

**Tuesday 12 September 2017**

Members present:

Norman Lamb, in the Chair<sup>1</sup>

Bill Grant  
Darren Jones  
Stephen Metcalfe

Neil O'Brien  
Graham Stringer  
Martin Whitfield

### ***1. Declaration of interests***

Members declared their interests, pursuant to the resolution of the House of 13 July 1992. (See Appendix).

### ***2. Committee working methods***

*Ordered*, That the public be admitted during the examination of witnesses unless the Committee orders otherwise.

*Resolved*, That witnesses who submit written evidence to the Committee are authorised to publish it on their own account in accordance with Standing Order No. 135, subject always to the discretion of the Chair or where the Committee orders otherwise.

*Resolved*, That the Committee shall not consider individual cases.

### ***3. Science communication and engagement***

Draft Special Report (*Science communication and engagement: Government Response to the Committee's Eleventh Report of Session 2016–17*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government response to the Eleventh Report of Session 2016–17 was appended to the Report.

*Resolved*, That the Report be the First Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

### ***4. Managing intellectual property and technology transfer***

Draft Special Report (*Managing intellectual property and technology transfer: Government Response to the Committee's Tenth Report of Session 2016–17*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government response to the Tenth Report of Session 2016–17 was appended to the Report.

*Resolved*, That the Report be the Second Special Report of the Committee to the House.

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<sup>1</sup> Elected by the House (Standing Order No. 122B) 12 July 2017, see Votes and Proceedings [12 July 2017](#)

*Ordered,* That the Chair make the Report to the House.

**5. Industrial strategy: science and STEM skills**

Draft Special Report (*Industrial strategy: science and STEM skills: Government Response to the Committee's Thirteenth Report of Session 2016–17*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government response to the Thirteenth Report of Session 2016–17 was appended to the Report.

*Resolved*, That the Report be the Third Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

**6. Regenerative medicine: Government response**

The Committee considered this matter.

**7. Draft Spaceflight Bill: Government response**

*Ordered*, That correspondence with the Transport Minister for Aviation relating to the previous Committee's Report on the Draft Spaceflight Bill be reported to the House for publication.

**8. Ocean acidification**

*Ordered*, That correspondence with the Parliamentary Under-Secretary of State, Defra, relating to the previous Committee's inquiry on Ocean acidification be reported to the House for publication.

**9. Programme of work**

*Resolved*, That the Committee inquire into Genomics and genome editing in the NHS.

*Resolved*, That the Committee inquire into Research integrity.

*Resolved*, That the Committee inquire into Algorithms in decision-making.

*Resolved*, That the Committee take oral evidence from the Science Minister, the Parliamentary Under-Secretary of State at the Department for Exiting the European Union, and from the Acting Government Chief Scientific Adviser.

[Adjourned till Tuesday 10 October at 9.30am

**Tuesday 10 October 2017**

Members present:

Norman Lamb, in the Chair

Bill Grant

Darren Jones

Clive Lewis

Neil O'Brien

Graham Stringer

Martin Whitfield

Stephen Metcalfe

**1. Declaration of interests**

Clive Lewis declared his interests, pursuant to the resolution of the House of 13 July 1992. (See Appendix).

**2. Committee working methods**

The Committee considered this matter.

**3. Brexit**

*Ordered*, That correspondence with the Parliamentary Under-Secretary of State, Department for Exiting the European Union (DExEU), relating to the implications and opportunities of Brexit for science and research be reported to the House for publication.

**4. Programme of work**

*Resolved*, That the Committee inquire into E-cigarettes.

*Resolved*, That the Committee inquire into Evidence-based early years intervention.

*Resolved*, That the Committee inquire into the Science budget and Industrial Strategy.

**5. Committee membership**

The Committee considered this matter.

[Adjourned till Tuesday 17 October at 10.00am

**Tuesday 17 October 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Stephen Metcalfe
Bill Grant	Stephanie Peacock
Darren Jones	Graham Stringer
Clive Lewis	Martin Whitfield

**1. Declaration of interests**

Vicky Ford and Stephanie Peacock declared their interests, pursuant to the resolution of the House of 13 July 1992. (See Appendix).

**2. Research integrity**

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Bullied into Bad Science  
The Academy of Medical Sciences  
HealthWatch UK & Universities Allied for Essential Medicines UK & TranspariMED &  
Dr Simon Kolstoe (joint submission)  
Dr Gesche Huebner  
Miss Tessa Burrington  
Dr Venu Kumar  
Educational Institute for Scotland's University Lecturers' Association (EIS-ULA)  
Royal Society  
Dr Sarah Starkey

### ***3. Brexit and scientific advice***

*Ordered*, That correspondence with the Parliamentary Under-Secretary of State, DExEU, relating to the appointment of a DExEU chief scientific adviser be reported to the House for publication.

### ***4. Programme of work***

*Resolved*, That the Committee visit CERN, Geneva and that the Chair seek the approval of the Liaison Committee for expenditure in connection with this visit.

### ***5. Algorithms in decision-making***

The Committee considered this matter.

### ***6. Government Office for Science Annual Report and work of the CSA network***

Professor Chris Whitty, Interim Government Chief Scientific Adviser, Professor Charlotte Watts, Chief Scientific Adviser, Department for International Development, and Professor John Aston, Chief Scientific Adviser, Home Office, gave oral evidence.

### ***7. Work of the Science Minister***

Jo Johnson MP, Minister for Universities, Science, Research and Innovation, and Sharon Ellis, Director, International Science & Innovation, BEIS, gave oral evidence.

[Adjourned till Tuesday 24 October at 9.00am]

**Tuesday 24 October 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Stephanie Peacock
Bill Grant	Graham Stringer
Darren Jones	Martin Whitfield
Stephen Metcalfe	

### ***1. Genomics and genome editing in the NHS***

*Ordered*, That the following written evidence relating to Genomics and genome editing in the NHS be reported to the House for publication:

Cancer Genetics Group  
Dr Felicity Boardman  
Wellcome Trust Sanger Institute  
Department of Health  
Scottish Genomes Partnership  
HCA Healthcare UK  
Health Education England  
British Society for Genetic Medicine  
Academy of Medical Sciences  
MRC Human Genetics Unit  
NICE  
Progress Educational Trust  
PHG Foundation  
Clinical Genetics Society  
BioIndustry Association  
Genomics England  
Genomic Health  
Centre for Genetics and Society  
Human Genetics Alert  
Genetic Alliance UK  
Medical Research Council  
The Royal College of Pathologists

### ***2. Science budget and the Industrial Strategy***

The Committee considered this matter.

### ***3. Research integrity***

The Committee considered this matter.

### ***4. Departmental scientific advice***

*Ordered*, That correspondence with the Secretary of State, DCLG, relating to the appointment of a chief scientific adviser be reported to the House for publication.

### ***5. Programme of work***

The Committee considered this matter.

### ***6. Research integrity***

Professor Dorothy Bishop, University of Oxford, Professor Dame Ottoline Leyser, former Chair, Steering Group on the Culture of Scientific Research, Nuffield Council on Bioethics, and Dr Arnaud Vaganay, Director, Meta-lab, gave oral evidence.

Professor Sir Ian Diamond, Universities UK Research Policy Network, Professor Ian Walmsley, Russell Group Pro-Vice Chancellor for Research Working Group, Dr Peter Wilmshurst, Consultant Cardiologist, Royal Stoke University Hospital, and Dr Elizabeth Wager, Publications Consultant, Sideview, gave oral evidence.

[Adjourned till Wednesday 1 November at 2.00pm

### **Wednesday 1 November 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Stephen Metcalfe
Bill Grant	Neil O'Brien
Adam Holloway	Graham Stringer
Darren Jones	Martin Whitfield
Clive Lewis	

#### ***1. Genomics and genome editing in the NHS***

*Ordered*, That the following written evidence relating to Genomics and genome editing in the NHS be reported to the House for publication:

Welsh Government  
medConfidential

#### ***2. Algorithms in decision-making***

*Ordered*, That the following written evidence relating to Algorithms in decision-making be reported to the House for publication:

Guardian News and Media  
Marion Oswald  
techUK  
BCS, The Chartered Institute for IT  
Mozilla  
The Operational Research Society  
medConfidential  
Institute of Mathematics and its Applications  
Professor Ashiq Anjum, University of Derby  
University College London  
PHG Foundation  
Big Brother Watch

Datanut Sciences Consultancy  
Filament  
Department for Digital, Culture, Media and Sport  
Google  
IBM  
University of Nottingham  
Katherine Garzonis

### ***3. Research integrity***

*Ordered*, That the written evidence relating to Research integrity submitted by Professor Dorothy Bishop be reported to the House for publication.

### ***4. Science budget and Industrial Strategy***

*Ordered*, That the following written evidence relating to Science budget and Industrial Strategy be reported to the House for publication:

Royal Astronomical Society  
Rainbow Seed Fund  
CBMNet, BIOCATNET, P2P, and C1Net  
Cancer Research UK  
Birkbeck, University of London  
Association of Medical Research Charities  
National Composites Centre  
EEF, the manufacturers' organisation  
University Alliance  
Royal Academy of Engineering  
MillionPlus  
Bristol BioDesign Institute  
North East Automotive Alliance  
Russell Group  
Campaign for Science and Engineering  
Royal Society of Chemistry  
Tata Steel  
Academy of Medical Sciences  
Future Cities Catapult  
Rolls-Royce Plc  
University of Exeter  
Research and Enterprise, Queen's University Belfast  
Big Innovation Centre  
BioIndustry Association  
The Royal Society  
Royal Statistical Society  
Universities UK



Professor Ronald Stamper  
UCL  
The Geological Society  
Association of Innovation, Research & Technology Organisations  
High Value Manufacturing Catapult  
Met Office  
UK Research and Innovation  
UK Steel

**5. Committee membership**

The Committee considered this matter.

**6. Committee programme**

The Committee considered this matter.

**7. Genomics and genome editing in the NHS**

Professor Sir John Bell, Regius Professor of Medicine, University of Oxford, and Dr Magdalini Papadaki, Head of Product and Process Innovation, Association of the British Pharmaceutical Industry, gave oral evidence.

Professor Sue Hill, Chief Scientific Officer, NHS England, Professor William Newman, Vice Chair, British Society for Genetic Medicine, and Dr Mark Kroese, Chair, Diagnostics Advisory Committee, National Institute for Health and Care Excellence, gave oral evidence.

[Adjourned till Tuesday 7 November at 10.30am]

**Tuesday 7 November 2017**

Members present:

Norman Lamb, in the Chair

Stephen Metcalfe

Graham Stringer

Neil O'Brien

Martin Whitfield

Stephanie Peacock

**1. Science budget and Industrial Strategy**

*Ordered*, That the following written evidence relating to Science budget and Industrial Strategy be reported to the House for publication:

GuildHE and CREST

Wellcome Trust

Universities of Bristol and Bath

Institute of Physics

University of Oxford  
British Academy  
Northern Health Science Alliance

## **2. Science in emergencies: chemical, biological, radiological or nuclear incidents**

Draft Special Report (*Science in emergencies: chemical, biological, radiological or nuclear incidents: Government Response to the Committee's Twelfth Report of Session 2016–17*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government response to the Twelfth Report of Session 2016–17 was appended to the Report.

*Resolved*, That the Report be the Fourth Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

## **3. Research integrity**

The Committee considered this matter

## **4. Genomics and genome editing in the NHS**

The Committee considered this matter.

## **5. Science budget and Industrial Strategy**

Rebecca Endean, Strategy Director, UK Research and Innovation, Professor Richard Jones, University of Sheffield, Professor Paul Boyle, Chair, Research Policy Network, Universities UK, and Alun Evans, Chief Executive, British Academy, gave oral evidence.

Dr Ruth McKernan, Chief Executive, Innovate UK, David Connell, Senior Research Fellow, Centre for Business Research, University of Cambridge, Tom Thackray, Director for Innovation, CBI, and Tom Morrison-Bell, Head of Public Affairs, techUK, gave oral evidence.

[Adjourned till Tuesday 14 November at 9.30am

**Tuesday 14 November 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephanie Peacock

Bill Grant

Graham Stringer

Darren Jones

Martin Whitfield

Neil O'Brien

## **1. Algorithms in decision-making**

*Ordered*, That the written evidence relating to Algorithms in decision-making submitted by the Royal Society be reported to the House for publication.

## **2. Science budget and Industrial Strategy**

*Ordered*, That the following written evidence relating to the Science budget and Industrial Strategy be reported to the House for publication:

Professor Ali Eftekhari  
Institution of Environmental Sciences  
Cardiff University  
University of Edinburgh  
Universities Wales  
Yorkshire Universities  
CBI

*Resolved*, That the Committee write to the Chancellor of the Exchequer relating to the Science budget and Industrial Strategy and to report it to the House for publication.

## **3. UKRI Chair**

*Resolved*, That the Committee write to the Department for Business, Energy and Industrial Strategy, relating to the draft job specification for the UKRI Chair post.

## **4. Algorithms in decision-making**

Hetan Shah, Executive Director, Royal Statistical Society, Professor Nick Jennings, Royal Academy of Engineering, Professor Louise Amoore, Durham University, and Dr Adrian Weller, Turing Fellow, Alan Turing Institute, gave oral evidence.

Silkie Carlo, Senior Advocacy Officer, Liberty, Dr Sandra Wachter, Oxford Internet Institute, and Dr Pavel Klimov, Chair, Law Society's Technology and the Law Group, gave oral evidence.

[Adjourned till Tuesday 21 November at 10.30am

**Tuesday 21 November 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Bill Grant

Darren Jones

Stephen Metcalfe

Stephanie Peacock

Martin Whitfield

## **1. Research integrity**

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Universities UK  
Meta-Lab

Professor Patricia Murray and Raphael Levy  
UK Research Integrity Office

## ***2. Genomics and genome editing in the NHS***

*Ordered*, That the written evidence relating to Genomics and genome editing in the NHS submitted by the Association of Genetic Nurses and Counsellors be reported to the House for publication.

## ***3. Research integrity***

Professor David Hand, Royal Statistical Society, Dr Damian Pattinson, Vice President of Publishing Innovation, Research Square, and Wendy Appleby, Registrar and Head of Student & Registry Services, UCL, gave oral evidence.

Dr Elizabeth Moylan, Committee on Publication Ethics, Catriona Fennell, Publishers Association, Dr Trish Groves, Director of Academic Outreach, BMJ, and Dr Alyson Fox, Director of Grants Management, Wellcome Trust, gave oral evidence.

[Adjourned till Tuesday 28 November at 9.30am

**Tuesday 28 November 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Neil O'Brien

Darren Jones

Graham Stringer

## ***1. Algorithms in decision-making***

*Ordered*, That the written evidence relating to Algorithms in decision-making submitted by CompTIA be reported to the House for publication.

## ***2. Genomics and genome editing in the NHS***

*Ordered*, That the following written evidence relating to Genomics and genome editing in the NHS be reported to the House for publication:

Defenddigitalme

NHS England

MRC Human Genetics Unit

## ***3. Research integrity***

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Dr Hugh Llewelyn

Dr Peter Wilmshurst

Tony Mayer (Nanyang Technological University, Singapore), Professor Lex Bouter (Vrije Universiteit Amsterdam) and Professor Nick Steneck (University of Michigan), Co-Chairs of Fifth World Conference on Research Integrity

#### ***4. Science budget and the Industrial Strategy***

*Ordered*, That correspondence with Dr Ruth McKernan, Chief Executive of Innovate UK, relating to the Committee's letter to the Chancellor of the Exchequer on the science budget and industrial strategy be reported to the House for publication.

#### ***5. Forensic services: Radox case***

*Ordered*, That correspondence with Dr Gillian Tully, Forensic Science Regulator, relating to the Radox case be reported to the House for publication.

#### ***6. Genomics and genome editing in the NHS***

Professor Sian Ellard, Clinical Director, NHS South West Genomic Medicine Centre, Dr Hilary Burton, Consultant in Public Health, PHG Foundation, and Fiona Murphy, Scottish Genomes Partnership, gave oral evidence.

Professor Dame Sally Davies, Chief Medical Officer for England, Professor Patrick Chinnery, University of Cambridge, and Lord O'Shaughnessy, Parliamentary Under-Secretary of State for Health, gave oral evidence.

[Adjourned till Monday 4 December at 4.15pm]

**Monday 4 December 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Martin Whitfield

Clive Lewis

#### ***1. E-cigarettes***

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

Carole Smith

Michael Jones

Roger Gross

Benjamin Smith

Keith Butt  
Ian Bardrick  
Terry Walker  
Anthony Stuart  
Piers Clifford  
Protec Fire Detection plc  
ASH Scotland  
Ariff Patel  
Dr Graham Cope  
Dr Charlotte Smith  
Advertising Standards Authority  
Professor Peter Hajek  
Dr Lynne Dawkins and Dr Sharon Cox, Centre for Addictive Behaviours Research,  
London South Bank University, and Catherine Kimber, University of East London  
Stephen Roberts  
Institute for Economic Affairs  
Chris Lukehurst  
Leicester City Council  
Pfizer  
Professor Mark Conner  
Royal College of Physicians of Edinburgh  
Kind Consumer Limited

## ***2. Science Advice in the Department for Communities and Local Government***

*Ordered*, That correspondence with Sajid Javid MP, Secretary of States for Communities and Local Government, relating to science advice in DCLG be reported to the House for publication.

## ***3. Research integrity***

The Committee considered this matter.

## ***4. Brexit and science***

The Committee considered this matter.

## ***5. Future programme***

The Committee considered this matter.

## ***6. Algorithms in decision-making***

The Committee considered this matter.

## ***7. Research Integrity***

Dr Ivan Oransky, Co-Founder, Retraction Watch; New York University Arthur Carter Journalism Institute, and Professor C.K. Gunsalus, Director, USA National Centre for Professional and Research Ethics, gave oral evidence.

Dr Ben Goldacre, DataLab, Department of Primary Care, University of Oxford, Dr Simon Kolstoe, Senior Lecturer & University Ethics Advisor, University of Portsmouth, and Independent chair of Hampshire A (NHS) and MOD research ethics committees, and Dr Síle Lane, Head of International Campaigns and Policy, Sense about Science, gave oral evidence.

[Adjourned till Tuesday 12 December at 10.00am

## **Tuesday 12 December 2017**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Clive Lewis

Martin Whitfield

### ***1. Declaration of interests***

Carol Monaghan declared her interests, in accordance with the Resolution of the House of 13 July 1992. (See Appendix)

### ***2. Algorithms in decision-making***

*Ordered*, That the following written evidence relating to Algorithms in decision-making be reported to the House for publication:

Mr John Phillips

University of Manchester

Inter-Disciplinary Ethics Applied (IDEA) Centre, University of Leeds

### ***3. E-cigarettes***

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

The Freedom Association

Dr Caitlin Notley

Stoke-on-Trent City Council

Department of Health

UK Centre for Tobacco and Alcohol Studies

Association of Convenience Stores

Lord Brabazon of Tara, Earl Cathcart and Viscount Ridley

Professor Riccardo Polosa

Royal College of Physicians  
Dr Richard Holliday  
British Medical Association  
EL-Science  
Dr David Bareham and Professor Martin McKee  
Chartered Trading Standards Institute  
The Cochrane Tobacco Addiction Group  
British Lung Foundation  
CiggyJuice Ltd  
New Nicotine Alliance (UK)  
Swedish Match  
NFRN (Federation of Independent Retailers)  
University College London Tobacco and Alcohol Research Group  
Nerudia  
Royal Society for Public Health  
Proprietary Association of Great Britain  
BSMW Ltd.  
Tobacco Manufacturers' Association  
UK Vaping Industry Association  
MRC/CSO Social and Public Health Sciences Unit, University of Glasgow  
University of Liverpool  
Cancer Research UK  
The Independent British Vape Trade Association  
Oliver Kershaw  
Mental Health and Smoking Partnership  
Japan Tobacco International  
Smoking in Pregnancy Challenge Group  
Imperial Brands  
Scottish Grocers Federation  
British Heart Foundation  
ASH Wales  
National Institute for Health and Care Excellence (NICE)  
JAC Vapour Ltd  
DISPLAY Study Research Team, University of Stirling  
Nottinghamshire Healthcare NHS Foundation Trust  
Action on Smoking and Health  
Cheshire and Wirral Partnership NHS Foundation Trust  
Philip Morris Limited  
British American Tobacco UK  
Medic Pro Limited  
Daniele Kerr  
CLOSER  
Clive Bates



International Network of Nicotine Consumer Organisations  
Dr Robert Combes and Professor Michael Balls  
Public Health England and MHRA  
UK Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment  
Charles Hamshaw-Thomas

#### **4. Evidence-based early years intervention**

*Ordered*, That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication:

Ann Murdoch  
The Bowlby Centre  
Family Drug & Alcohol Court National Unit  
Children And Parents Service (CAPS) Early Intervention  
PIP UK  
Victim Focus – Jessica Eaton  
Professor James Law, Dr Cristina McKean and Dr Jenna Charlton, School of Education, Communication and Language Sciences, Newcastle University  
Dr Michelle Kelly-Irving  
Mrs Barbara Bryant  
Manchester City Council  
Tavistock Relationships  
YoungMinds  
Cardiff University  
Dr Warren Larkin  
Bulwell Community Toy Library Limited  
Dr Adam Burley  
The Nurture Group Network  
Home Start Kirklees  
CLOSER  
MRC/CSO Social and Public Health Sciences Unit, University of Glasgow  
The Open University  
First Step, Tavistock and Portman NHS Foundation Trust  
Dr Elizabeth Gregory  
Sue Gerrard  
Trauma Recovery Centre  
Penelope Leach  
The Academy of Medical Sciences  
Centre for Evidence Based Early Intervention  
Challenging Behaviour Foundation  
Association of Directors of Public Health  
Public Health Institute, Liverpool John Moores University

Public Health England  
NSPCC  
NHS Health Scotland  
Home-Start UK  
Barnardo's  
TLG  
Professor Rosalind Edwards, Professor Val Gillies, Professor Ellie Lee, Dr Jan Macvarish,  
Professor Susan White, and Professor David Wastell  
Thrive FTC  
University of Southampton  
Association of Child Psychotherapists  
International Centre for Lifecourse Studies in Society and Health  
Kingston University, London  
Lynne MacKinnon  
EasyPeasy  
Greater Manchester Combined Authority and Greater Manchester Health and Social Care  
Partnership  
ThinkForward  
Dr Gill Main, School of Education, University of Leeds  
Centre for Mental Health  
Public Health Wales  
Marriage Foundation  
Department for Education  
Royal College of Paediatrics and Child Health  
Understanding Society, Institute for Social and Economic Research  
Professor Christine Power  
Professor Sarah L Halligan, Dr Catherine Hamilton-Giachritsis, Dr Rachel M Hiller,  
Department of Psychology, University of Bath  
University of Reading  
Centre for Social Justice  
Foundation Years Trust  
Early Intervention Foundation  
Dr Sarah Starkey  
Children's Commissioner's Office  
Sheffield's Children and Young People's Public Health Team  
Dr Sue Gerhardt  
Safe Families for Children  
Sue Korda  
OXPIP  
British Psychological Society  
Association for Child and Adolescent Mental Health  
Communication Trust  
Adoption UK

Best Beginnings  
Mersey Care NHS Foundation Trust  
Centre for Longitudinal Studies, University College London  
Stefanou Foundation  
Roots of Empathy  
WAVE Trust  
Knapp et al, PSSRU, London School of Economics  
Margaret Ellis  
Bonin et al, PSSRU, London School of Economics  
Kidstime Foundation and The Children's Society

### **5. Research integrity**

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Dr Dominic Edward  
Professor David J Hand  
Wendy Appleby, UCL

### **6. Biometrics Strategy**

*Ordered*, That correspondence with Baroness Williams, Minister of State for Countering Extremism, be reported to the House for publication:

### **7. Future programme**

The Committee considered this matter.

### **8. Genomics and genome-editing in the NHS**

*Resolved*, That the Committee visit Genomics England, Barbican, London, in connection with its inquiry into Genomics and genome-editing in the NHS.

### **9. Algorithms in decision-making**

Dr. Carolyn Nguyen, Director of Technology Policy, Microsoft, Martin Wattenberg, Senior Staff Research Scientist, Google AI team, Nick Pickles, Head of Public Policy UK & Israel, Twitter, and Charles Butterworth, Managing Director for the UK, Europe, Middle-east and Africa, Experian, gave oral evidence.

Sheena Urwin, Head of Criminal Justice, Durham Constabulary, and Professor Kate Bowers, Academic Director, UCL and Jill Dando Institute, gave oral evidence.

[Adjourned till Tuesday 19 December 10.00am

**Tuesday 19 December 2017**

The Committee met at the Institute for Government, London

Members present:

Norman Lamb, in the Chair

Vicky Ford

Carol Monaghan

Bill Grant

Martin Whitfield

Stephen Metcalfe

***1. E-cigarettes***

*Ordered*, That the written evidence received from the Independent British Vape Trade Association relating to E-cigarettes be reported to the House for publication.

***2. Evidence-based early years intervention***

*Ordered*, That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication:

Professor Louise Arseneault  
British Association for Counselling and Psychotherapy  
University of Bristol  
Mental Health Foundation  
Mark Wheeler  
Dr Sebastian Kraemer  
Graham Allen  
Big Lottery Fund

***3. Research integrity***

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Dr Simon Kolstoe, University of Portsmouth  
Samuel Denyer and Dr Simon Peck  
Medical Research Council  
Cell and Gene Therapy Catapult

***4. Genomics and genome editing in the NHS***

*Ordered*, That the following written evidence relating to Genomics and genome editing in the NHS be reported to the House for publication:

Dr Edward Blair  
Professor Dame Sally Davies, Chief Medical Officer  
Lord O'Shaughnessy, Department of Health

**5. Brexit, science and innovation Summit**

*Resolved*, That the Committee hold a Brexit, science and innovation Summit.

**6. Pre-appointment hearings**

*Resolved*, That the Committee hold pre-appointment hearings with the executive-chair designate of the Medical Research Council and the chair designate of UK Research & Innovation.

**7. Biometric Strategy and facial recognition**

*Resolved*, That the Committee's letter to Baroness Williams, Home Office, relating to Biometric Strategy and facial recognition be reported to the House for publication.

**6. Scientific advice in DExEU**

The Committee considered this matter.

[Adjourned till Tuesday 9 January 2018 at 9.00am

**Tuesday 9 January 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Neil O'Brien
Bill Grant	Carol Monaghan
Darren Jones	Graham Stringer
Stephen Metcalfe	Martin Whitfield

**1. Evidence-based early years intervention**

*Ordered*, That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication:

TLG  
Triple P  
National Association for Therapeutic Education  
Emerita Professor Hilary Rose

**2. Genomics and genome-editing in the NHS**

*Ordered*, That the following written evidence relating to Genomics and genome-editing in the NHS be reported to the House for publication:

Fight for Sight  
PHG Foundation

### **3. E-cigarettes**

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

Blue Skies China  
British Psychological Society

### **4. Research integrity**

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Sense about science  
Carmen Helena Coxon  
STOPAIDS, Health Watch UK, Universities Allied for Essential medicines UK and  
TransarilMED  
Professor Donald Kornfeld

### **5. Science budget and the Industrial Strategy**

*Ordered*, That correspondence with the Exchequer Secretary to the Treasury be reported to the House for publication.

### **6. Future programme.**

The Committee considered this matter.

### **7. E-cigarettes**

Professor Peter Hajek, Queen Mary University, Professor Mark Conner, Leeds University, and Professor Riccardo Polosa, University of Catania, gave oral evidence.

Professor Paul Aveyard, Cochrane Tobacco Addiction Group, Dr Lion Shahab, University College London Tobacco and Alcohol Research Group, and Dr Jamie Brown, University College London Tobacco and Alcohol Research Group, gave oral evidence.

[Adjourned till Tuesday 16 January at 9.00am

**Tuesday 16 January 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford  
Darren Jones

Carol Monaghan  
Neil O'Brien

Bill Grant  
Stephen Metcalfe

Graham Stringer  
Martin Whitfield

**1. Evidence-based early years intervention**

*Ordered*, That the written evidence received from the Wensum Trust relating to Evidence-based early years intervention be reported to the House for publication.

**2. Research integrity**

*Ordered*, That the written evidence received from Dr Paola Di Maio relating to Research integrity be reported to the House for publication.

**3. Pre-appointment hearings**

The Committee considered this matter.

**4. Strategy and working methods**

The Committee considered this matter.

**5. Algorithms in decision-making**

Dr Dominic King, Senior Staff Research Scientist and Clinical Lead, DeepMind Health, Dr Ian Hudson, Chief Executive, Medicines and Healthcare products Regulatory Agency (MHRA), Professor Harry Hemingway, Farr Institute of Health Informatics Research, and Eleonora Harwich, Head of Digital and Tech Innovation, Reform, gave oral evidence.

[Adjourned till Tuesday 23 January at 10.15am

**Tuesday 23 January 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford  
Bill Grant  
Darren Jones

Stephen Metcalfe  
Neil O'Brien  
Graham Stringer

**1. Algorithms in decision-making**

*Ordered*, That the following written evidence relating to Algorithms in decision-making be reported to the House for publication:

Medicines and Healthcare products Regulatory Agency  
Ofgem  
Ofcom  
Ofsted  
Financial Conduct Authority

## ***2. E-cigarettes***

*Ordered*, That the written evidence received from Beckett Associates relating to E-cigarettes be reported to the House for publication.

## ***3. Research integrity***

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Health Research Authority  
Medical Research Council  
Dr Paul Marchant

## ***4. Pre-appointment hearings***

The Committee considered this matter.

## ***5. Future programme***

The Committee considered this matter.

## ***6. Biometric strategy and forensic services***

*Ordered*, That correspondence with Dr Gillian Tully, Forensic Sciences Regulator, relating to her statutory powers, be reported to the House for publication.

*Resolved*, That the Committee take oral evidence from Baroness Williams of Trafford and Dr Gillian Tully.

## ***7. Brexit science and innovation summit***

The Committee considered this matter.

## ***8. Chief scientific advisers***

*Resolved*, That the Committee take oral evidence from Dr Patrick Vallance, Government Chief Scientific Adviser.

## ***9. Flu vaccination programme***

*Resolved*, That the Committee inquire into the flu vaccination programme.

## ***10. Algorithms in decision-making***

Elizabeth Denham, Information Commissioner, and Margot James MP, Minister for Digital and Creative Industries, Department for Digital, Culture, Media and Sport, gave oral evidence.



[Adjourned till Tuesday 30 January at 9.00am

*Wednesday 24 January 2018*

*The Chair, Vicky Ford and Darren Jones visited Genomics England, London, in accordance with the Committee's decision of 12 December 2017.*

**Tuesday 30 January 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Damien Moore

Bill Grant

Martin Whitfield

Stephen Metcalfe

Graham Stringer

Carol Monaghan

***1. Declaration of Interests***

Damien Moore disclosed his interests, pursuant to the resolution of the House of 13 July 1992. (See Appendix).

***2. Genomics and genome-editing in the NHS***

*Ordered*, That the written evidence received from Association for Clinical Genomic Science relating to Genomics and genome-editing in the NHS be reported to the House for publication.

***3. Pre-appointment hearings***

*Ordered*, That the written evidence received from Department for Business, Energy and Industrial Strategy relating to Pre-appointment hearing with the Government's preferred candidates for the chair of UKRI and the executive-chair of the MRC, be reported to the House for publication.

***4. Research integrity***

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Mathias Willumsen

Innovate UK

Professor Patricia Murray and Raphael Lévy

***5. Future programme***

*Resolved*, That the Committee visit BT Adastral Park, Cambridge Science Park, in connection with its inquiry into Quantum technologies.

*Resolved*, That the Chair have leave to visit a Cornwall school using the HeadStart-Kernow programme in a representative capacity for the purposes of the Committee's inquiry into Evidence-based early years intervention.

## **6. Working practices**

The Committee considered this matter.

## **7. Research integrity**

Professor Sir Bernard Silverman, Chair of Trustees, UK Research Integrity Office and James Parry, Chief Executive, UK Research Integrity Office, gave oral evidence.

Dr Tony Peatfield, Director of Corporate Affairs, Medical Research Council, and Chairman, RCUK Good Research Conduct Network, and Dr Steven Hill, Head of Research Policy, Higher Education Funding Council for England, gave oral evidence.

Professor Jonathan Montgomery, Chair, Health Research Authority, gave oral evidence.

[Adjourned till Wednesday 31 January at 2.00pm]

## **Wednesday 31 January 2018**

Members present:

Norman Lamb, in the Chair

Bill Grant

Carol Monaghan

Stephen Metcalfe

Martin Whitfield

## ***Pre-appointment hearings***

Draft Report (*Pre-appointment hearing: chair of UK Research and Innovation and executive chair of the Medical Research Council*) proposed by the Chair, brought up and read.

*The draft report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the First Report of the Committee, HC 747.*

[Adjourned till Tuesday 6 February at 9.00am]

## **Tuesday 6 February 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford  
Bill Grant  
Darren Jones  
Stephen Metcalfe  
Carol Monaghan

Damien Moore  
Neil O'Brien  
Graham Stringer  
Martin Whitfield

***1. Brexit, science and innovation***

*Ordered,* That the following written evidence relating to Brexit, science and innovation be reported to the House for publication:

Prof John Hardy, UCL  
LGC (National Measurement Laboratory)  
The University of Edinburgh  
Wellcome Sanger Institute  
ADS Group  
British Pharmacological Society  
Scottish Universities Life Sciences Alliance  
Sir Paul Nurse  
Royal Pharmaceutical Society  
Odgers Berndtson  
Syngenta  
British Heart Foundation  
NIAB  
Agricultural Biotechnology Council  
The Physiological Society  
AsSIST-UK  
Prospect  
Universities UK  
John Innes Centre  
Institute of Physics and Engineering in Medicine  
Cancer Research UK  
Roche Products Limited  
The National Oceanography Centre  
Tessa Burrington  
British Geological Survey  
Spanish Researchers in the UK  
Martin Yuille, University of Manchester  
Brexit Health Alliance  
Royal Society of Edinburgh  
Association of Medical Research Charities  
Duchenne UK  
Newcastle University  
Academy of Medical Royal Colleges  
Geological Society

Society for Applied Microbiology  
Alzheimer's Research UK  
Microbiology Society  
UK Deans of Science  
Lilly UK  
CBI  
Academy of Medical Sciences  
Institution of Environmental Sciences  
Association of Innovation, Research & Technology Organisations  
University of Manchester  
University of Oxford  
Academy of Social Sciences  
Genetic Alliance UK  
University of Bristol  
Fresh Produce Consortium  
ELIXIR and ELIXIR UK  
Royal Astronomical Society  
Universities Scotland  
MSD  
Royal Academy of Engineering  
National Physical Laboratory  
Association of British Healthcare Industries  
British Society for Immunology  
Sarah Chaytor, UCL  
EMBL-European Bioinformatics Institute  
Royal Society of Chemistry  
Dr Celia Medupin, University of Manchester and Dr Erinma Ochu, University of Salford  
Samsung UK and Ireland  
Centre for Process Innovation  
GARNet  
Nesta  
Imperial College London  
British Academy  
UKAEA  
University of Exeter  
National Heritage Science Forum  
Royal Society  
Lancaster University  
ABPI and BIA  
Campaign for Science and Engineering

## ***2. Evidence-based early years intervention***

*Ordered*, That the written evidence received from Professor Peter Fonagy relating to Evidence-based early years intervention be reported to the House for publication.

### **3. Biometrics Strategy and facial recognition**

*Ordered*, That correspondence with Baroness Williams, Home Office Minister, relating to the Biometrics Strategy and facial recognition be reported to the House for publication.

### **4. Future programme**

*Resolved*, That the Committee inquire into Quantum technologies.

*Resolved*, That the Committee inquire into the Impact of social media and screen-use on young people's health.

*Resolved*, That the Committee inquire into Energy drinks.

### **5. Brexit, science and innovation**

The Committee considered this matter.

### **6. Biometrics strategy and forensic services**

Dr Gillian Tully, Forensic Science Regulator, gave oral evidence.

Baroness Williams of Trafford, Minister for Countering Extremism, and Christophe Prince, Director Data and Identity, Home Office, gave oral evidence.

[Adjourned till Tuesday 20 February at 3.00pm]

*Thursday 8–Friday 9 February 2018*

*The Chair, Vicky Ford, Darren Jones, Stephen Metcalfe and Martin Whitfield visited CERN, Geneva, in accordance with the Committee's decision of 17 October 2017.*

**Tuesday 20 February 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Graham Stringer

Neil O'Brien

Martin Whitfield

### **1. Algorithms in decision-making**

*Ordered*, That the following written evidence relating to Algorithms in decision-making be reported to the House for publication.

Information Commissioner's Office

Durham Constabulary

## ***2. Brexit, science and innovation***

*Ordered*, That the following written evidence relating to Brexit, science and innovation be reported to the House for publication:

Russell Group  
Institute of Food Science & Technology  
Johnson Matthey plc  
Royal Society of Biology  
Federation of Small Businesses  
Institute of Physics  
SCI  
James Hutton Institute

*Resolved*, That the Committee visit Brussels in connection with its inquiry into Brexit, science and innovation.

### ***3. Genomics and genome editing in the NHS***

*Ordered*, That the following written evidence relating to Genomics and genome editing in the NHS be reported to the House for publication:

Health Education England (supplementary)  
Roche Products Limited

### ***4. Research integrity***

*Ordered*, That the written evidence received from Roger Shinton relating to Research integrity be reported to the House for publication.

### ***5. Evidence-based early years intervention***

Professor Mark Bellis, Bangor University and Public Health Wales, Professor Rosalind Edwards, University of Southampton, Professor Eamon McCrory, University College London, and Professor Sue White, University of Sheffield, gave oral evidence.

Dr Marc Bush, Chief Policy Adviser, YoungMinds, Kate Stanley, Director of Strategy, Policy and Evidence, NSPCC, Associate Professor David McDaid, London School of Economics and Political Science, and Professor Leon Feinstein, Director of Evidence, Office of the Children's Commissioner, gave oral evidence.

[Adjourned till Tuesday 27 February at 9.00am

**Tuesday 27 February 2018**

Members present:

Darren Jones	Damien Moore
Bill Grant	Martin Whitfield
Stephen Metcalfe	

In the absence of the Chair, Stephen Metcalfe was called to the chair.

### ***1. Evidence-based early years intervention***

*Ordered*, That the written evidence received from Paul Milton relating to Evidence-based early years intervention be reported to the House for publication.

### ***2. Research integrity***

*Ordered*, That the written evidence received from Health Research Authority relating to Research integrity be reported to the House for publication.

*Ordered*, That correspondence with Sam Gyimah MP, Minister of State for Universities, Science, Research and Innovation, be reported to the House for publication.

### ***3. Genomics and genome-editing in the NHS***

*Ordered*, That the written evidence received from Association of British Insurers relating to Genomics and genome-editing in the NHS be reported to the House for publication.

**4. *Brexit, science and innovation***

*Ordered*, That the transcript of the Committee's Brexit science and innovation summit be reported to the House for publication.

**5. *E-cigarettes***

Dr Ian Jones, Vice President, Reduced-Risk Products, Japan Tobacco International, Dr Chris Proctor, Chief Scientific Officer, British American Tobacco, Dr Moira Gilchrist, Vice President, Scientific and Public Communications, Philip Morris Limited, and Dr Grant O'Connell, Regulatory and Scientific Affairs, Fontem Ventures, gave oral evidence.

Professor David Harrison, Chair of UK Committee on Carcinogenicity of Chemicals in Food, Consumer Products and the Environment, and Dr Lynne Dawkins, Associate Professor, Centre for Addictive Behaviours Research, London South Bank University, gave oral evidence.

[Adjourned till Tuesday 6 March at 9.00am

**Tuesday 6 March 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Damien Moore

Stephen Metcalfe

Graham Stringer

Carol Monaghan

**1. *E-cigarettes***

*Ordered*, That the written evidence received from Clive Bates relating to E-cigarettes be reported to the House for publication.

**2. *Research integrity***

*Ordered*, That the written evidence received from Departmental Chief Scientific Advisers relating to Research integrity be reported to the House for publication.

**3. *European scrutiny***

The Committee considered this matter.

**4. *'Voice of the Future'***

The Committee considered this matter.

**5. *Research integrity***



Sir Mark Walport, Chief Executive, UK Research & Innovation, gave oral evidence.

**6. *Brexit, science and innovation***

Sam Gyimah MP, Minister of State for Universities, Science, Research and Innovation, and Amanda Dickins, Deputy Director, EU Exit: Science and Innovation, Department for Business, Energy and Industrial Strategy, gave oral evidence.

[Adjourned till Wednesday 7 March at 9.00am

**Wednesday 7 March 2018**

Members present:

Norman Lamb in the Chair

Darren Jones

Carol Monaghan

Bill Grant

Graham Stringer

Stephen Metcalfe

***Flu vaccination programme***

Professor Paul Cosford, Director for Health Protection and Medical Director, Public Health England, Professor Steve Powis, National Medical Director, NHS England, Professor Jonathan Van-Tam, Deputy Chief Medical Officer, Professor Andrew Pollard, Chair, Joint Committee on Vaccination and Immunisation, and Dr Sue Crossland, President Elect, Society for Acute Medicine, gave oral evidence.

[Adjourned till Wednesday 19 March at 6.00pm

**Monday 19 March 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Damien Moore

Darren Jones

Neil O'Brien

Carol Monaghan

Martin Whitfield

***Brexit, science and innovation***

*Ordered*, That the following written evidence relating to Brexit, science and innovation be reported to the House for publication:

Sam Gyimah MP, Science Minister  
Microbiology Society

Draft Report (*Brexit, science and innovation*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Second Report of the Committee, HC 705.*

[Adjourned till Tuesday 20 March at 9.00am

**Tuesday 20 March 2018**

Members present:

Norman Lamb in the Chair

Bill Grant

Damien Moore

Stephen Metcalfe

Graham Stringer

Carol Monaghan

***1. E-cigarettes***

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

Origin Packaging Ltd

UK Vaping Industry Association

NHS England Mental Health Trusts replies to Committee questions

Dr Ian Hudson, Medicines and Healthcare products Regulatory Agency

***2. Research integrity***

The Committee considered this matter.

***3. Energy drinks***

The Committee considered this matter.

***4. Brexit, science and innovation***

The Committee considered this matter.

***5. Impact of social media and screen-use on young people's health***

The Committee considered this matter.

***6. Evidence-based early years intervention***

Ailsa Swarbrick, Director, Family Nurse Partnership National Unit, Matt Buttery, Chief Executive, Triple-P UK, Jen Lexmond, CEO, EasyPeasy, and Professor Edward Melhuish, University of Oxford, gave oral evidence.

Tom McBride, Director of Evidence, Early Intervention Foundation, Donna Molloy, Director of Policy and Practice, Early Intervention Foundation, and George Hosking, CEO, WAVE Trust, gave oral evidence.

[Adjourned till Tuesday 27 March at 9.00am

**Tuesday 27 March 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Damien Moore

Bill Grant

Neil O'Brien

Stephen Metcalfe

Graham Stringer

Carol Monaghan

**1. Genomics and genome editing in the NHS**

The Committee considered this matter.

**2. Biometrics Strategy and forensic science**

*Ordered*, That the written evidence received from Dr Gillian Tully, Forensic Science Regulator, relating to the Biometrics Strategy and forensic science be reported to the House for publication.

*Resolved*, That the Chair write to the Minister for Countering Extremism, Home Office, relating to matters arising in the letter from the Forensic Science Regulator.

**3. E-cigarettes**

*Ordered*, That the written evidence received from Professor Riccardo Polosa, University of Catania, relating to E-cigarettes be reported to the House for publication.

**4. Evidence-based early years intervention**

*Ordered*, That the written evidence received from the Sheila Crony relating to Evidence-based early years intervention be reported to the House for publication.

**5. Pre-appointment hearings**

The Committee considered this matter.

**6. Energy drinks and Impact of social media and screen-use on young people's health**

*Resolved*, That the Committee visit Southside studios, Reading, in connection with its inquiries into Energy drinks and the Impact of social media and screen-use on young people's health.

**7. E-cigarettes**

Michelle Jarman-Howe, Executive Director, Public Sector Prisons South, and Heather Thomson, Smokefree lead, Nottinghamshire Healthcare NHS Trust, gave oral evidence.

Deborah Arnott, Chief Executive, and Hazel Cheeseman, Director of Policy, Action on Smoking and Health, gave oral evidence.

[Adjourned till Tuesday 17 April at 9.00am

**Tuesday 17 April 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Darren Jones

Bill Grant

Stephen Metcalfe

Carol Monaghan

Martin Whitfield

**1. Declaration of interests**

Darren Jones amended his declaration of interest of 12 September 2017:

Payments received: from Joseph Rowntree Reform Trust, York, to Office of Darren Jones Limited, the bulk of which donated in turn to the Labour Party to employ a part-time member of staff for Labour Digital, an unincorporated organisation which I run.

**2. Genomics and genome editing in the NHS**

Draft Report (*Genomics and genome editing in the NHS*) proposed by the Chair, brought up and read.

*The draft report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Third Report of the Committee, HC 349.*

**3. Biometrics strategy and forensic services**

*Ordered*, That correspondence with Baroness Williams relating to forensic services, be reported to the House for publication.

*Ordered*, That correspondence with Baroness Williams relating to facial images, be reported to the House for publication on the internet.

**4. E-cigarettes**

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

Petrol Retailers Association

Melanie Atwood

Action on Smoking and Health

**5. Energy drinks**

*Ordered*, That the following written evidence relating to Energy drinks be reported to the House for publication:

Keele University (Christopher Exley, Professor in Bioinorganic Chemistry)

Fuse, The Centre for Translational Research in Public Health

Jerome Scott (two submissions)

Anisa Ashraf

Federation of Wholesale Distributors  
British Retail Consortium  
Department of Health and Social Care  
European Specialist Sports Nutrition Alliance  
Royal College of Paediatrics and Child Health  
Energy Drinks Europe  
British Dietetic Association  
Advertising Standards Authority  
Jamie Oliver Food Foundation  
Paul Milton  
Irish Beverage Council  
Association of Convenience Stores  
British Soft Drinks Association  
Dr Ashley Roberts  
Monster Energy Company

#### **6. Evidence-based early years intervention**

*Ordered,* That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication:

EasyPeasy  
National Association for Therapeutic Education (supplementary)  
Children First

#### **7. Quantum technologies**

*Ordered,* That the following written evidence relating to Quantum technologies be reported to the House for publication:

Airbus  
QuantIC, Universities of Glasgow, Bristol, Edinburgh, Heriot-Watt, Oxford, Strathclyde and Warwick  
Manchester Metropolitan University  
University of Strathclyde  
Simon Benjamin (University of Oxford, and Associate Director of the NQIT UK National Quantum Hub [NQIT.org]), Dr Toby Cubitt, (UCL), Prof Richard Jozsa (University of Cambridge), Prof Elham Kashefi (University of Edinburgh, and Associate Director of the NQIT UK National Quantum Hub), Prof Noah Linden (University of Bristol and Director of the Bristol Quantum Information Institute), Dr Ashley Montanaro (University of Bristol), and Prof Simone Severini (UCL)  
Networked Quantum Information Technologies Hub  
University of Sussex  
UCL Quantum Science and Technology Institute  
EPSRC Quantum Communications Hub  
Institute of Physics  
Royal Academy of Engineering

Quantum Technology Hub for Sensors and Metrology, University of Birmingham  
PA Consulting Group's Cambridge Technology Centre  
Professor Sir Peter Knight, Imperial College London  
Teledyne e2v  
National Physical Laboratory  
EU COST action QTSpace  
QET Labs, University of Bristol  
Dr Andrew Shields  
Fraunhofer UK Research Ltd  
UK Research & Innovation  
M Squared

*Resolved*, That the Committee visit Univeristy of Strathclyde, Glasgow in connection with its inquiry into Quantum Technologies.

**8. Brexit, science and innovation**

*Resolved*, That members of the Committee visit St Thomas' Hospital, London, in connection with its inquiry into Brexit, science and innovation.

**9. Google Campus**

*Resolved*, That members of the Committee visit Google Campus, London, in connection with its inquiry into Algorithms in decision-making.

**10. Social media and screen use**

The Committee considered this matter.

**11. Evidence-based early years intervention**

Dr Shirley Woods-Gallagher, Special Advisor on School Readiness, Greater Manchester Combined Authority, Pete Wilding, Head of Strategy, Greater Manchester Combined Authority, Dr Caroline White, Head, Children and Parents Service Early Intervention, and Martin Pratt, Chair, Association of London Directors of Children's Services, gave oral evidence.

Professor Viv Bennett, Chief Nurse, Public Health England, Dr Jeanelle de Gruchy, President, Association of Directors of Public Health, and Katy Hetherington, Organisational Lead of Child and Adolescent Public Health, NHS Scotland, gave oral evidence.

[Adjourned till Tuesday 24 April at 9.00am

*Thursday 19 April 2018*

*The Chair visited Tretherras School, Newquay, and Cornwall County Council, Truro, in a representative capacity in accordance with the Committee's decision of 30 January 2018.*

**Tuesday 24 April 2018**

Members present:

Norman Lamb in the Chair

Bill Grant	Carol Monaghan
Darren Jones	Damien Moore
Liz Kendall	Neil O'Brien
Stephen Metcalfe	Graham Stringer

**1. Declaration of interests**

Liz Kendall disclosed her interests, pursuant to the resolution of the House of 13 July 1992. (See Appendix).

**2. Biometrics strategy and forensic services**

*Ordered*, That correspondence with Baroness Williams of Trafford, Minister for Countering Extremism, relating to the Forensic Science Regulator, be reported to the House for publication.

**3. Research integrity**

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Professor Marcus Munafò  
Australian Research Integrity Committee  
Dr Paul Taylor and Dr Daniel Barr, RMIT University, Melbourne  
UK Research Integrity Office

**4. Impact of social media and screen-use on young people's health**

*Ordered*, That the following written evidence relating to Impact of social media and screen-use on young people's health be reported to the House for publication:

Miss Elizabeth Oliver  
Parent, Wales  
Raymond Couch  
Michelle Knight  
Amelia Taylor  
Paul Mogie  
Dawn Agnew  
Robert Miles  
Davina Patel  
King Ethelbert School, Kent  
Henry Lowe  
Natasha Porter  
Carolina Fernandez Fawaz  
Student, University of Roehampton  
Emma Best

R A K Murphy  
Mario Molinari  
Martin Watt  
British Psychology Society  
Cardinus Risk Management  
Guardian Saints CIC  
Sally Ward  
Kirstie Stage  
Helen Bonelli  
Daniel Mason  
Brunswick Centre  
Students, The Deepings School (27 submissions)  
Eastwood Academy  
Girlguiding  
Cat Sabben-Clare, Dr Sonia Kersey and Sara Keel  
George, Harrison and Jack, The Castle School, Thornbury  
Elisha Cocks, The Castle School, Thornbury  
Student, The Castle School, Thornbury  
Ben, Maddy and Holly, The Castle School, Thornbury  
Benjamin Guilfoyle, The Castle School, Thornbury  
James Bennett, The Castle School, Thornbury  
Reece Wigmore and Angus Chan, The Castle School, Thornbury  
Tami Adebajo, The Castle School, Thornbury  
Kieran and Miles, The Castle School, Thornbury  
Razor Research  
The Castle School  
Samantha Hoang and Ellen Creed, The Castle School, Thornbury  
Nottingham Centre for Children, Young People and Families, Nottingham Trent  
University  
Dr Terry Hanley, Manchester Institute of Education, University of Manchester  
Nuffield Council on Bioethics  
Internet Matters  
Anthony Fitzgerald  
Longdean School  
Paula Healy  
Association of School and College Leaders  
Bristol Safeguarding Children's Board — E-Safety Working Group  
Dr Sarah Kirby and Abigail Brandreth  
Louanne Richards  
International Gaming Research Unit, Nottingham Trent University  
Debra Lynne Fry  
Dr Bex Lewis, Senior Lecturer in Digital Marketing, Manchester Metropolitan University  
Berkhamsted Schools Group



DYS Space Ltd  
National Association of Head Teachers  
University of Birmingham  
Professor Shôn Lewis  
XenZone  
Jennifer Foster  
Anti-Bullying Alliance  
Dr Heather Cleland Woods, Holly Scott and Professor Stephany Biello, University of  
Glasgow  
Dr David A Ellis, Lancaster University  
Parenting for a Digital Future  
Lynne Wycherley  
YMCA England & Wales  
Save Childhood Movement  
UK Safer Internet Centre  
Education Policy Institute  
Association of Educational Psychologists  
ThinkNation  
Steiner Waldorf Schools Fellowship  
Azoomee  
Dr Peter Etchells  
Youth Charter  
The Diana Award  
Youthworks Consulting Ltd  
University of Sheffield  
Paul Milton  
Youthscape  
Centre for Youth, Community and Education Studies, Manchester Metropolitan  
University  
Dave Ashton  
Royal Society for Public Health  
ESRC International Centre for Lifecourse Studies in Society and Health  
National Children's Bureau  
Time To Log Off  
Horizon Digital Economy Research Institute, The University of Nottingham  
ASH and the UK Centre for Tobacco and Alcohol Studies  
CLOSER, the home of longitudinal research  
Barnardo's (two submissions)  
Common Sense  
Professor Phil Reed and Dr Lisa A Osborne  
Reconnect Project  
Hold  
Catherine Culbert

Professor Andrew K Przybylski, Oxford Internet Institute, Netta Weinstein, Cardiff University, and Amy Orben, University of Oxford  
EMLS RI (Evolution of Mind Life and Society Research Institute)  
techUK  
Institute for Social and Economic Research, University of Essex  
Revealing Reality  
Science Media Centre  
YoungMinds and the Children's Society  
Corsham Institute  
Amanda Bucknall  
Lego Group  
UK Research and Innovation  
Virgin Media  
Facebook  
Dr Christopher Ferguson

**5. Algorithms in decision-making**

The Committee considered this matter.

**6. 'Evidence Week', 25–28 June 2018**

The Committee considered this matter.

**7. Small Business Research Initiative**

The Committee considered this matter.

**8. E-cigarettes**

Rob Morrison, Senior Regulatory Policy Executive, Advertising Standards Authority, Professor John Newton, Director of Health Improvement, Public Health England, Professor Gillian Leng, Deputy Chief Executive, National Institute for Health and Care Excellence, and Dr Ian Hudson, Chief Executive, Medicines and Healthcare products Regulatory Agency, gave oral evidence.

Steve Brine MP, Parliamentary Under-Secretary of State for Public Health and Primary Care, and Dr Tim Baxter, Deputy Director of Healthy Behaviours, Department of Health and Social Care, gave oral evidence.

[Adjourned till Tuesday 1 May 9.30am

*Sunday 29–Monday 30 April 2018*

*The Chair, Vicky Ford, Darren Jones, Liz Kendall and Carol Monaghan visited Brussels in accordance with the Committee's decision of 20 February 2018.*

**Tuesday 1 May 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford  
Bill Grant

Stephen Metcalfe

**1. *Brexit, science and innovation***

Draft Special Report (*Brexit, science and innovation: Government Response to the Committee's Second Report*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government response to the Second Report was appended to the Report.

*Resolved*, That the Report be the Fifth Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

**2. *Algorithms in decision-making***

The Committee considered this matter.

**3. *E-cigarettes***

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

Public Health England  
NHS Providers

**4. *Evidence-based early years intervention***

*Ordered*, That the following written evidence relating to Evidence-based early years intervention, be reported to the House for publication:

TACTYC; the Association for Professional Development in Early Years  
Public Health England

**5. *Impact of social media and screen-use on young people's health***

*Ordered*, That the following written evidence relating to the Impact of social media and screen-use on young people's health be reported to the House for publication:

Dr Annelie Fitzgerald  
iMeasure Ltd  
Department for Digital, Culture, Media and Sport  
Royal College of Paediatrics and Child Health

*Resolved*, That the Chair and Stephen Metcalfe have leave to visit Revealing Reality, London, in a representative capacity in connection with the Committee's inquiry into Impact of social media and screen-use on young people's health.

## **6. Research integrity**

*Ordered*, That the following written evidence relating to Research integrity be reported to the House for publication:

Professor Patricia Murray and Raphael Lévy  
Cell and Gene Therapy Catapult

## **7. Undersea communication cables**

*Ordered*, That correspondence with the Department for Digital Culture Media and Sports relating to the Undersea communication cables be reported to the House for publication

## **8. Pre-appointment hearing**

*Resolved*, That the Committee write to the Public Administration and Constitutional Affairs Committee in relation to pre-appointment hearings.

## **9. Evidence-based early years intervention**

Nadhim Zahawi MP, Parliamentary Under-Secretary of State for Children and Families, Jackie Doyle-Price MP, Parliamentary Under-Secretary of State for Mental Health and Inequalities, Michelle Dyson, Director of Early Years, Department for Education, and Mark Davies, Director of Population Health, Department of Health and Social Care, gave oral evidence.

[Adjourned till Tuesday 8 May at 2.30pm]

**Tuesday 8 May 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford	Stephen Metcalfe
Bill Grant	Carol Monaghan
Darren Jones	Martin Whitfield
Liz Kendall	

## **1. Algorithms in decision-making**

The Committee considered this matter.

## **2. E-cigarettes**

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

NJOY Innovations Ltd  
UK Vaping Industry Association  
Johnson & Johnson

## **3. Impact of social media and screen-use on young people's health**

*Ordered*, That the following written evidence relating to Impact of social media and screen-use on young people's health be reported to the House for publication:

Martin Watt  
Electrosensitivity UK

**4. *Research integrity***

*Ordered*, That the written evidence received from Sir Mark Walport, UK Research & Innovation, relating to Research integrity be reported to the House for publication.

**5. *Brexit, science and innovation***

The Committee considered this matter.

**6. *Forensics services***

The Committee considered this matter.

**7. *The Committee's working practices***

The Committee considered this matter.

**8. *Research integrity***

Sam Gyimah MP, Minister of State for Universities, Science, Research and Innovation, and Dr Patrick Vallance, Government Chief Scientific Adviser, gave oral evidence.

[Adjourned till Wednesday 9 May at 5.00pm]

**Wednesday 9 May 2018**

Members present:

Norman Lamb in the Chair

Bill Grant	Carol Monaghan
Liz Kendall	Damian Moore
Stephen Metcalfe	Martin Whitfield

**1. *Quantum technologies***

The Committee considered this matter.

**2. *E-cigarettes***

John Dunne, Director, UK Vaping Industry Association, Fraser Cropper, Chair, Independent British Vape Trade Association, and Sarah Jakes, Chair, New Nicotine Alliance, gave oral evidence.

[Adjourned till Tuesday 15 May at 9.00am]

**Tuesday 15 May 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Darren Jones

Damian Moore

Liz Kendall

Neil O'Brien

**1. Algorithms in decision-making**

Draft Report (*Algorithms in decision-making*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Fourth Report of the Committee, HC 351.*

**2. Quantum technologies**

The Committee considered this matter.

**3. Energy drinks**

*Ordered*, That the written evidence received from Sainsbury's relating to Energy drinks be reported to the House for publication.

**4. Evidence-based early years intervention**

*Ordered*, That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication:

Association of London Directors of Children's Services  
Rt Hon Frank Field MP

*Ordered*, That Dr Caroline White be appointed a Specialist Adviser to assist the Committee in matters relating to Evidence-based early years intervention. (*For details of declarations of interests, see Appendix.*)

**5. Impact of social media and screen-use on young people's health**

*Ordered*, That the written evidence received from the Big Lottery Fund relating to Impact of social media and screen-use on young people's health be reported to the House for publication.

**6. An immigration system that works for science and innovation**

*Resolved*, That the Committee inquire into An immigration system that works for science and innovation.

**7. The Biometric Strategy and forensic services**

The Committee considered this matter.

**8. Galileo satellite programme**

*Resolved*, That the Committee inquire into the Galileo satellite programme.

[Adjourned till Tuesday 22 May at 9.00am

*Monday 16 May 2018*

*The Chair, Vicky Ford, Bill Grant, Stephen Metcalfe and Carol Monaghan visited St Thomas' Hospital, London, in accordance with the Committee's decision of 17 April 2018.*

*The Chair, Bill Grant and Neil O'Brien visited Southside studios, Reading, in accordance with the Committee's decision of 27 March 2018.*

**Tuesday 22 May 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Darren Jones

Neil O'Brien

***1. Biometrics strategy and forensic services***

The Committee considered this matter.

***2. E-cigarettes***

*Ordered*, That the following written evidence relating to E-cigarettes be reported to the House for publication:

Independent British Vape Trade Association

NHS England Mental Health Trusts

Philip Morris Limited

***3. Evidence-based early years intervention***

*Ordered*, That the written evidence received from the Institute of Health Visiting relating to Evidence-based early years intervention be reported to the House for publication.

***4. Research integrity***

*Ordered*, That the written evidence received from the Russell Group relating to Research integrity be reported to the House for publication.

***5. Science in emergencies***

*Ordered*, That correspondence with Ben Wallace MP, Minister of State for Security and Economic Crime, relating to the Salisbury nerve agent incident, be reported to the House for publication.

***6. Small Business Research Initiative***

*Ordered*, That correspondence from Greg Clark MP, Secretary of State for Business, Energy and Industrial Strategy, relating to the Small Business Research Initiative be reported to the House for publication.

### **7. Committee working practices**

The Committee considered this matter.

### **8. E-cigarettes**

The Committee considered this matter.

### **9. Future programme**

The Committee considered this matter.

### **10. Impact of social media and screen-use on young people's health**

Matt Blow, Policy and Government Affairs Manager, YoungMinds, Sue Jones, Global Deputy CEO, Ditch the Label, Dustin Hutchinson, Research and Policy Analyst, National Children's Bureau, Carolyn Bunting, CEO, Internet Matters, and Duncan Stephenson, Director of External Affairs and Marketing, Royal Society for Public Health, gave oral evidence.

Amy Orben, Lecturer, British Psychological Society, Dr Lucy Betts, Associate Professor, Nottingham Trent University, Dr Mark Griffiths, Distinguished Professor, Nottingham Trent University, and Professor Andrew Przybylski, Director of Research, Oxford Internet Institute, gave oral evidence.

[Adjourned till Tuesday 23 May at 9.00am

## **Wednesday 23 May 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Carol Monaghan

Bill Grant

Damian Moore

Darren Jones

Neil O'Brien

Stephen Metcalfe

### **1. Biometrics strategy and forensic services**

Draft Report (*Biometrics strategy and forensic services*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Fifth Report of the Committee, HC 800.*

### **2. Impact of social media and screen-use on young people's health**

Martin Hewitt, Assistant Commissioner, Metropolitan Police Service, Dr Netta Weinstein, Senior Lecturer, Cardiff University, Beth Murray, Director of Communications and Engagement, Catch 22, Dr Keir Irwin-Rogers, Lecturer, Open University, and Sheldon Thomas, Consultant on gang and youth violence, Gangsline, gave oral evidence.



In the absence of the Chair, Stephen Metcalfe was called to the chair.

Assistant Commissioner Martin Hewitt, Dr Netta Weinstein, Beth Murray, Dr Keir Irwin-Rogers and Sheldon Thomas gave further oral evidence.

[Adjourned till Tuesday 5 June at 9.00am

**Tuesday 5 June 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Liz Kendall

Darren Jones

**1. Evidence Week**

The Committee considered this matter.

**2. Evidence-based early years intervention**

*Ordered*, That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication:

Public Health England

Department of Health and Social Care and Department for Education

*Resolved*, That the Chair have leave to visit Better Start Partnership, Blackpool, in a representative capacity for the purposes of the Committee's inquiry into Evidence-based early years intervention.

*Resolved*, That the Chair have leave to visit the Children and Parents Service, Manchester, in a representative capacity for the purposes of the Committee's inquiry into Evidence-based early years intervention.

**3. Impact of social media and screen-use on young people's health**

*Ordered*, That the written evidence received from Professor Andrew Przybylski, Oxford Internet Institute at University of Oxford, relating to Impact of social media and screen-use on young people's health be reported to the House for publication.

**4. Energy drinks**

*Ordered*, That the written evidence received from NASUWT relating to Energy drinks be reported to the House for publication.

**5. Quantum technologies**

*Ordered*, That the written evidence received from UK Diamond Quantum Technology Community Informal Group relating to Quantum technologies be reported to the House for publication.

## **6. Galileo**

The Committee considered this matter.

## **7. Quantum technologies**

Professor David Delpy, Chair, NQTP Strategic Advisory Board, and Professor Sir Peter Knight, Emeritus Professor, Imperial College London, gave oral evidence.

Jonathan Flint, President-Elect, Institute of Physics, Professor Sir Michael Pepper, Royal Academy of Engineering, Dr Ashley Montanaro, University of Bristol, and Professor John Morton, UCL Quantum Science and Technology Institute, gave oral evidence.

[Adjourned till Tuesday 12 June at 9.00am

**Tuesday 12 June 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Carol Monaghan

Bill Grant

Damian Moore

Darren Jones

Graham Stringer

Stephen Metcalfe

### **1. Evidence-based early years intervention**

*Ordered*, That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication.

George Smith, Kathy Sylva, Teresa Smith, Pam Sammons and James Hall, Department of Social Policy and Intervention, University of Oxford  
Department for Education and Department of Health and Social Care  
Public Health England

### **2. An immigration system that works for science and innovation**

*Ordered*, That the following written evidence relating to An immigration system that works for science and innovation be reported to the House for publication:

Sphere Fluidics

Rolls-Royce plc

British Heart Foundation

Nuclear Industry Association

Universities UK

National Office of Animal Health (NOAH)

UCL

The Academy of Social Sciences and the Campaign for Social Science

Society of Spanish Researchers in the United Kingdom  
British Academy of Management  
Imperial College London  
Francis Crick Institute  
Wellcome Sanger Institute  
Peter Downes  
British Society for Immunology  
Cancer Research UK  
Recruitment & Employment Confederation  
International and Broke Campaign  
John Innes Centre  
Royal Astronomical Society  
Russell Group  
Association of the British Pharmaceutical Industry (ABPI) and the BioIndustry  
Association (BIA)  
Earlham Institute  
IQVIA  
Royal Society of Chemistry  
MSD  
Universities Scotland  
AIRTO Ltd (Association of Innovation, Research and Technology Immigration system  
Author Organisations)  
Prospect  
GuildHE  
UK National Academies  
Royal Society of Edinburgh  
The Open University  
The Royal Society Ian Robinson, Fragomen LLP  
Campaign for Science and Engineering  
Johnson Matthey plc  
UK Research & Innovation

### ***3. Research integrity***

*Ordered*, That the written evidence received from the Department for Business, Energy and Industrial Strategy relating to Research integrity be reported to the House for publication.

### ***4. Impact of social media and screen-use on young People's Health Inquiry***

The Committee considered this matter.

### ***5. Pre-appointment hearings***

*Resolved*, That the Committee agree to a request from the Chair of the Environmental Audit Committee to write to the Government allowing both committees to be involved in any future pre-appointment hearings with the chair of the National Environment Research Council.

## **6. Exchanging data from non-EU countries**

The Committee considered this matter.

## **7. Small Business Research Initiative**

The Committee considered this matter.

## **8. Energy drinks**

Dr Amelia Lake, Teeside University and Fuse (The Centre for Translational Research in Public Health), Darren Northcott, National Official (Education), NASUWT, Annabel Gipp, Specialist Paediatric Eating Disorders Dietitian, British Dietetic Association and Professor Russell Viner, President, Royal College of Paediatrics and Child Health, gave oral evidence.

Oliver Strudwick, Public Affairs Manager, British Soft Drinks Association, James Lowman, Chief Executive, Association of Convenience Stores, and James Bielby, Chief Executive, Federation of Wholesale Distributors, gave oral evidence.

[Adjourned till Tuesday 19 June at 9.00am

*Thursday 14 June 2018*

*The Chair visited the Children and Parents Service, Manchester, in a representative capacity in accordance with the Committee's decision of 5 June 2018.*

**Tuesday 19 June 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Darren Jones

Damian Moore

Liz Kendall

### **1. An immigration system that works for science and innovation**

*Ordered*, That the following written evidence relating to An immigration system that works for science and innovation be reported to the House for publication:

Department for Business, Energy and Industrial Strategy

The Royal Society of Biology

techUK

GARnet

Wellcome Trust

### **2. Quantum technologies**

*Ordered*, That the written evidence received from the Ministry of Defence relating to Quantum Technologies be reported to the House for publication.

**3. Evidence-based early years intervention**

*Ordered*, That the following written evidence relating to Evidence-based early years intervention be reported to the House for publication:

Early Intervention Foundation

Early Intervention Foundation

**4. E-cigarettes**

The Committee considered this matter.

**5. Future programme**

The Committee considered this matter.

**6. Energy drinks**

The Committee considered this matter.

**7. An immigration system that works for science and innovation**

Dr Sarah Main, Executive Director, Campaign for Science and Engineering, Ian Robinson, Partner, Fragomen LLP, Vinous Ali, Head of Policy, techUK, Louise Wren, Policy Manager, Wellcome Trust, and Professor Richard Catlow, Foreign Secretary, Royal Society, gave oral evidence.

[Adjourned till Tuesday 26 June at 4.00pm]

**Tuesday 26 June 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Darren Jones

Graham Stringer

Liz Kendall

**1. An immigration system that works for science and innovation**

*Ordered*, That the transcript of the Science and Technology Committee informal session on 19 June 2018 relating to An immigration system that works for science and innovation be reported to the House for publication.

**2. Energy drinks**

*Ordered*, That the following written evidence relating to Energy drinks be reported to the House for publication.

Ross Carruthers

Monster Energy Company

**3. Impact of social media and screen-use on young people's health**

*Ordered*, That the written evidence received from Dr Richard Murphy relating to the Impact of social media and screen-use on young people's health be reported to the House for publication.

**4. Research integrity**

*Ordered*, That the following written evidence relating to Research Integrity be reported to the House for publication:

TranspariMED

Responses from universities on the Concordat

**5. European Research Infrastructure Consortia (ERICs)**

The Committee considered this matter.

**6. Galileo**

Guto Bebb MP, Minister for Defence Procurement, Nick Ayling, Head of Cyber and Space Policy, Ministry of Defence, and Rebecca Evernden, Director (International), UK Space Agency, gave oral evidence.

**7. Research integrity**

Draft Report (*Research integrity*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Sixth Report of the Committee, HC350.*

[Adjourned till Thursday 28 June at 2.30pm

*Thursday 28 June 2018*

*The Chair, Bill Grant, Stephen Metcalfe and Carol Monghan, visited Glasgow in connection with the Committee's inquiry into quantum technologies, in accordance with the Committee's decision of 17 April 2018.*

**Thursday 28 June 2018**

The Committee met at Kelvin Hall, Glasgow

Members present:

Norman Lamb in the Chair

Bill Grant

Carol Monaghan

Stephen Metcalfe

***Quantum technologies***

Professor Erling Riis, Head of Department of Physics, University of Strathclyde, Dr Sara Diegoli, Programme Manager, QuantIC, and Professor Timothy Spiller, Director, Quantum Communications Hub, gave oral evidence.

Dr Graeme Malcolm, CEO, M2 Lasers, Professor Martin Dawson, Head of the Fraunhofer Centre for Applied Photonics, Fraunhofer UK Research Ltd, and Dr Richard Walker, CEO, Photon Force, gave oral evidence.

[Adjourned till Tuesday 3 July at 9.00am

**Tuesday 3 July 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford	Carol Monaghan
Bill Grant	Damian Moore
Darren Jones	Neil O'Brien
Liz Kendall	Graham Stringer
Stephen Metcalfe	Martin Whitfield

***1. Impact of social media and screen-use on young people's health***

*Ordered*, That the written evidence received from British Board of Film Classification relating to the Impact of social media and screen-use on young people's health be reported to the House for publication.

***2. National Genomic Medicine Service***

*Ordered*, That correspondence with Jeremy Hunt MP, Secretary of State for Health and Social Care, be reported to the House for publication.

***3. Brexit, science and innovation***

*Ordered*, That correspondence with Steve Baker MP, Parliamentary Under-Secretary, DExEU, be reported to the House for publication.

***4. Proposed EU 'e-Privacy' regulation***

The Committee considered this matter.

***5. Future programme***

The Committee considered this matter.

***6. Impact of social media and screen-use on young people's health***

Susie Hargreaves OBE, Chief Executive, Internet Watch Foundation, David Austin, CEO, British Board of Film Classification, and Emily Cherry, Assistant Director of Policy & Public Affairs, Barnardo's, gave oral evidence.

Anna Clark, Cardinus Risk Management, Dr Vicky Goodyear, Lecturer in Pedagogy in Sport, Physical Activity and Health, University of Birmingham, Dr Heather Woods, Lecturer, School of Psychology, University of Glasgow, Dr Max Davie, Officer for Health Promotion and Mental Health Lead, Royal College of Paediatrics and Child Health, and Professor Peter Fonagy, National Clinical Adviser on children and young people's mental health, NHS England, gave oral evidence.

[Adjourned till Wednesday 4 July at 2.30pm]

### **Wednesday 4 July 2018**

Members present:

Norman Lamb in the Chair

Bill Grant	Carol Monaghan
Darren Jones	Damien Moore
Liz Kendall	Neil O'Brien
Stephen Metcalfe	

#### ***Impact of social media and screen-use on young people's health***

Becca, Member of Youth Select Committee 2017, Sienna, nominated by the National Children's Bureau, Bethan, nominated by the National Children's Bureau, Orlaith, nominated by Barnardo's, and Jack, nominated by Kidscape, gave oral evidence.

[Adjourned till Tuesday 10 July at 9.00am]

### **Tuesday 10 July 2018**

Members present:

Norman Lamb in the Chair

Bill Grant	Neil O'Brien
Darren Jones	Graham Stringer

#### **1. Energy drinks**

*Ordered*, That the following written evidence relating to Energy drinks be reported to the House for publication:

- Energy Drinks Europe (supplementary)
- British Dietetic Association (supplementary)
- NASUWT (supplementary)
- Fuse and Teesside University (supplementary)



Jamie Oliver Food Foundation (supplementary)

## **2. Impact of social media and screen-use on young people's health**

*Ordered*, That the written evidence relating to Impact of social media and screen-use on young people's health submitted by Charlotte Hall be reported to the House for publication.

## **3. E-cigarettes**

*Ordered*, That the written evidence relating to E-cigarettes submitted by Humber NHS Foundation Trust be reported to the House for publication.

## **4. Evidence-based early years intervention**

*Ordered*, That the written evidence relating to Evidence-based early years intervention submitted by Better Start Bradford be reported to the House for publication.

## **5. Centre for Data Ethics and Innovation**

*Resolved*, That the Chair's letter to Jeremy Wright MP, Business Secretary, relating to the Government's consultation on the Centre for Data Ethics and Innovation be reported to the House for publication.

## **6. Future programme**

The Committee considered this matter.

## **7. Energy drinks**

Dr Ashley Roberts, Senior Vice President, Food and Nutrition Group, Intertek, and adviser to Monster Energy Company, Sam Pontrelli, Senior Vice President of Marketing, Monster, Andrew Taylor, Regulatory Policy Executive, Committee of Advertising Practice, Dr John Thompson, The Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment and Dr Kevin Hargin, Head of Food Hygiene and Animal Health Policy Unit, Food Standards Agency, gave oral evidence.

Steve Brine MP, Parliamentary Under-Secretary of State for Public Health and Primary Care and Jenny Oldroyd, Deputy Director, Obesity, Food and Nutrition, Department of Health and Social Care, gave oral evidence.

[Adjourned till Monday 16 July at 5.00pm]

*Wednesday 11 July 2018*

*The Chair and Stephen Metcalfe visited Revealing Reality, London, in a representative capacity in accordance with the Committee's decision of 1 May 2018.*

**Monday 16 July 2018**

Members present:

Norman Lamb in the Chair

Bill Grant  
Liz Kendall

Stephen Metcalfe  
Carol Monaghan

**1. Written evidence**

*Ordered*, That the written evidence relating to An immigration system that works for science and innovation received from Dr Anesa Hosein be reported to the House for publication.

**2. E-cigarettes**

Draft Report (*E-cigarettes*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Seventh Report of the Committee, HC (505).*

**3. An Immigration System That Works for Science and Innovation**

Draft Report (*An immigration system that works for science and innovation*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Eighth Report of the Committee, HC (1061).*

[Adjourned till Tuesday 17 July at 9.00am

**Tuesday 17 July 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford  
Darren Jones  
Stephen Metcalfe

Carol Monaghan  
Neil O'Brien  
Graham Stringer

**1. Written Evidence: Energy drinks**

*Ordered*, That the written evidence relating to Energy drinks received from NHS England be reported to the House for publication.

**2. New Inquiries**

*Resolved*, That the Committee inquire into the balance and effectiveness of research and innovation spending.

*Resolved*, That the Committee inquire into technologies for meeting Clean Growth emissions reduction targets.

*Resolved*, That the Committee inquire into digital Government.

**3. Evidence-based early years intervention**

The Committee considered this matter.

**4. Energy Drinks: Heads of Report**

The Committee considered this matter.

**5. Impact of Social Media and Screen-Use on Young People's Health**

The Committee considered this matter.

**6. Genomics and Genome Editing in the NHS: Government Response**

The Committee considered this matter.

**7. Quantum Technologies**

Vicky Ford declared a non-pecuniary in that e2v was based in her constituency.

Professor Kai Bongs, Director, Quantum Technology Hub for Sensors and Metrology, Professor Ian Walmsley, Director, Networked Quantum Information Technologies Hub and Professor Winfried Hensinger, Professor of Quantum Technologies, University of Sussex, gave oral evidence.

Professor Trevor Cross, Chief Technology Officer, Teledyne e2v, Dr Mark Bentall, Head of Technology Development and Innovation, Airbus Defence and Space, Dr Andrew Shields, Quantum Technologies R&D Lead, Toshiba Research Europe Ltd and Dr Peter Thompson, Chief Executive Officer, National Physical Laboratory gave oral evidence.

*Ordered*, That the letter from the Chair to the Chancellor of the Exchequer relating to funding of the National Quantum Technologies Programme, be reported to the House for publication.

[Adjourned till Wednesday 5 September at 9.00am

*Sunday 19–Monday 20 August*

*The Chair visited Better Start Partnership, Blackpool, in a representative capacity in accordance with the Committee's decision of 5 June 2018.*

**Wednesday 5 September 2018**

Members present:

Norman Lamb in the Chair

Bill Grant

Carol Monaghan

Darren Jones

Graham Stringer

Stephen Metcalfe

**1. Algorithms in decision-making**

Draft Special Report (*Algorithms in decision-making: Government Response to the Committee's Fourth Report*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government's response to the Fourth Report from the Committee was appended to the Report.

*Resolved*, That the Report be the Sixth Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

**2. Energy drinks**

*Ordered*, That the written evidence relating to Energy drinks be reported to the House for publication:

Institute of Alcohol Studies

Monster Energy Company

Benjamin Collins

Tesco

The Co-op Group

Aldi

Waitrose

Morrisons

Asda

Sainsbury's

**3. Written Evidence: Flu vaccination programme**

*Ordered*, That the following written evidence relating to the Flu vaccination programme be reported to the House for publication:

British Medical Association

SEEK Group

Public Health England

**4. Written Evidence: Impact of social media and screen-use on young people's health**

*Ordered*, That the following written evidence relating to the Impact of social media and screen-use on young people's health be reported to the House for publication:

Institute of Alcohol Studies

Dr Anesa Hosein  
Benjamin Collins  
Loughborough University

**5. *Written evidence: Quantum technologies***

*Ordered*, That the written evidence relating to Quantum technologies that works for science and innovation received from the National Physical Laboratory be reported to the House for publication.

**6. *Written evidence: An immigration system that works for science and innovation***

*Ordered*, That the written evidence relating to An immigration system that works for science and innovation received from Amit Bhagwat be reported to the House for publication.

**7. *Science, research and innovation***

*Ordered*, That correspondence with Sam Gyimah MP, Minister of State for Universities, Science, Research and Innovation relating to science, research and innovation be reported to the House for publication.

**8. *Small Business Research Initiative***

The Committee considered this matter.

**9. *Galileo***

*Ordered*, That correspondence with the Ministry of Defence relating to Galileo be reported to the House for publication.

**10. *Flu vaccination programme: Heads of Report***

The Committee considered this matter.

**11. *Impact of social media and screen-use on young people's health***

The Committee considered this matter.

**12. *Specialist advisers***

*Ordered*, That Professor Peter Dobson be appointed Specialist Adviser to assist the Committee in matters related to Quantum technologies. (*For details of declarations of interests, see Appendix.*)

[Adjourned till Tuesday 11 September at 9.00am

**Tuesday 11 September 2018**

Members present:

Norman Lamb in the Chair

Bill Grant

Carol Monaghan

Stephen Metcalfe

Damien Moore

**1. Research integrity**

Draft Special Report (*Research integrity: Government and UK Research and Innovation Responses to the Committee's Sixth Report*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government's response to the Sixth Report from the Committee was appended to the Report.

*Resolved*, That the Report be the Seventh Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

**2. Written Evidence: Energy drinks**

*Ordered*, That the written evidence relating to Energy drinks submitted by the Department of Health and Social Care be reported to the House for publication.

**3. Written Evidence: Impact of social media and screen-use on young people's health**

*Ordered*, That the following written evidence relating to the Impact of social media and screen-use on young people's health be reported to the House for publication:

Angela Christie

David Jones

**4. Clinical trials transparency**

The Committee considered this matter.

**5. Quantum technologies**

*Ordered*, That correspondence with Rt Hon Philip Hammond MP, Chancellor of the Exchequer, relating to future funding for the National Quantum Technologies Programme, be reported to the House for publication.

**6. E-cigarettes**

The Committee considered this matter.

**7. Absence of the Chair**

The Committee considered this matter.

[Adjourned till Wednesday 12 September at 9.00am

**Wednesday 12 September 2018**

Members present:

Norman Lamb in the Chair

Bill Grant	Carol Monaghan
Darren Jones	Graham Stringer
Stephen Metcalfe	Martin Whitfield

**1. Quantum Technologies**

Sam Gyimah MP, Minister of State for Universities, Science, Research and Innovation and Sir Mark Walport, Chief Executive, UK Research and Innovation, gave oral evidence.

*Ordered*, That correspondence with Rt Hon Philip Hammond MP, Chancellor of the Exchequer, relating to future funding for the National Quantum Technologies Programme, be reported to the House for publication

**2. E-cigarettes**

*Ordered*, That correspondence with the World Health Organization, the European Commissioner for Health and Food Safety, and the Secretary of State for Health and Social Care relating to E-cigarettes be reported to the House for publication

[Adjourned till Wednesday 10 October at 9.00am

**Wednesday 10 October 2018**

Members present:

Bill Grant	Graham Stringer
Damien Moore	

In the absence of the Chair, Graham Stringer was called to the Chair.

**1. Biometrics strategy and forensic services**

Draft Special Report (*Biometrics strategy and forensic services: Government Response to the Committee's Fifth Report of Session 2017-19*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government's response to the Fifth Report from the Committee was appended to the Report.

*Resolved*, That the Report, be the Eighth Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

**2. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to the *Balance and effectiveness of research and innovation spending* be reported to the House for publication:

Anderson Law LLP

BAE Systems plc  
UK Computing Research Committee  
Professor Michael Ferguson and colleagues at the Universities of Birmingham, Dundee  
and Oxford  
Mr David Connell  
Mr Jasper Tomlinson  
University of Edinburgh  
Designability  
University of Warwick  
WMG  
AIRTO Ltd  
UCL  
Greater London Authority and MedCity  
Universities Scotland  
Prospect  
Royal Astronomical Society  
Professor Dame Athene Donald  
Professor Jonathan Jones, The Sainsbury Laboratory, John Innes Centre  
University of Oxford  
Rolls-Royce Group  
Coventry University  
Yorkshire Universities  
The Institute of Cancer Research  
The Confederation of British Industry (CBI)  
Alzheimer's Research UK  
Medical Schools Council  
The British Academy of Management (BAM) and the Chartered Association of Business  
Schools Chartered (ABS)  
BioIndustry Association  
National Physical Laboratory  
The Catapult Network  
Universities Wales  
Academy of Social Sciences  
The Shelford Group  
Royal Society of Chemistry  
TWI Ltd  
The Physiological Society  
University of Reading  
MSD  
The British Academy  
Cancer Research UK  
Universities UK  
GW4 Alliance



Fight for Sight  
Jisc  
Knowledge Transfer Network  
Association of Medical Research Charities  
UK Innovation & Science Seed Fund  
Professors Richard Jones and Professor James Wilsdon, University of Sheffield  
University of Nottingham  
The Geological Society  
King's College London  
GuildHE  
Dr Rachel Oliver, together with an informal group of academics  
Rothamsted Research  
Photonics Leadership Group  
Productivity Insights Network and Innovation Caucus  
Russell Group  
Royal Academy of Engineering  
The Association of the British Pharmaceutical Industry (ABPI)  
UK Research and Innovation  
Department for Business, Energy and Industrial Strategy  
Campaign for Science and Engineering (CaSE)  
John Innes Centre  
Imperial College London  
Wellcome Trust  
Academy of Medical Sciences  
The Royal Society

### **3. Digital Government**

*Ordered*, That the following written evidence relating to *Digital Government* be reported to the House for publication:

Professor Ronald Stamper  
UK Computing Research Committee  
University of Bradford  
The Alan Turing Institute  
Centre for Trials Research, Cardiff University  
UKCloud Ltd  
Royal Statistical Society  
Kaspersky Lab  
Policy Connect  
Office for National Statistics  
David Moss  
Deloitte LLP  
SAS  
BCS, The Chartered Institute for IT

Dr Louise Bennett, Information Assurance Advisory Council (IAAC) and Dr Edgar A Whitley, London School of Economics and Political Science  
Local Government Association  
360Giving  
David Durant  
defenddigitalme  
techUK  
Cabinet Office

***4. Impact of social media and screen-use on young people's health***

*Ordered*, That the written evidence relating to Impact of social media and screen-use on young people's health submitted by Ellie Cruise be reported to the House for publication.

***5. Quantum technologies***

*Ordered*, That the written evidence relating to Quantum technologies submitted by the Ministry of Defence be reported to the House for publication.

***6. Japanese knotweed***

The Committee considered this matter.

[Adjourned till Tuesday 16 October at 9.00am

**Tuesday 16 October 2018**

Members present:

Norman Lamb in the Chair

Vicky Ford

Liz Kendall

Bill Grant

Damien Moore

Darren Jones

Graham Stringer

***1. Flu Vaccination programme in England***

Draft Report (*Flu Vaccination programme in England*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Ninth Report of the Committee, HC 853.*

***2. Clinical trials transparency: draft Report***

The Committee considered this matter.

***3. An immigration system that works for science and innovation***

Draft Special Report (*An immigration system that works for science and innovation: Government Response to the Committee's Ninth Report of Session 2017-19*), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government's response to the Ninth Report from the Committee was appended to the Report.

*Resolved*, That the Report, be the Ninth Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

#### **4. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to the *Balance and effectiveness of research and innovation spending* be reported to the House for publication:

Earlham Institute

Nesta

Royal Society of Edinburgh and the Learned Society of Wales

#### **5. Digital Government**

*Ordered*, That the written evidence relating to Digital Government submitted by GlobalData Public Sector be reported to the House for publication.

#### **6. Energy drinks**

*Ordered*, That the written evidence relating to Energy drinks submitted by Boots be reported to the House for publication.

#### **7. Impact of social media and screen-use on young people's health**

*Ordered*, That the written evidence relating to Impact of social media and screen-use on young people's health submitted by Tumblr be reported to the House for publication.

Karim Palant, UK Public Policy Manager, Facebook, Claire Lilley, EMEA lead on Child Safety, Google UK and Sinead McSweeney, Vice President of Public Policy and Communications for the EMEA region, Twitter, gave oral evidence.

Will Gardner, Director, UK Safer Internet Centre and Sarah Hannafin, Senior Policy Adviser, National Association of Head Teachers, gave oral evidence.

#### **8. Quantum technologies**

*Resolved*, that the Chair and Vicky Ford have leave to visit BT Adastral Park in a representative capacity for the purposes of the Committee's inquiry into Quantum technologies.

[Adjourned till Tuesday 23 October at 9.00am

Thursday 18 October 2018

*The Chair and Vicky Ford visited BT Adastral Park, Cambridge Science Park, in a representative capacity in accordance with the Committee's decisions of 30 January and 10 October 2018.*

**Tuesday 23 October 2018**

Members present:

Vicky Ford	Carol Monaghan
Bill Grant	Damien Moore
Darren Jones	Graham Stringer
Stephen Metcalfe	

In the absence of the Chair, Stephen Metcalfe was called to the Chair.

***1. Research integrity: clinical trials transparency***

Draft Report (*Research integrity: clinical trials transparency*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Tenth Report of the Committee, HC 1480.*

***2. Balance and effectiveness of research and innovation spending***

*Ordered*, That the following written evidence relating to Balance and effectiveness of research and innovation spending be reported to the House for publication:

Dt Stuart Calimport  
PraxisAuril

***3. Digital Government***

*Ordered*, That the written evidence relating to Digital Government submitted by medConfidential be reported to the House for publication.

*Resolved*, That the Committee visit Estonia and that the Chair seek the approval of the Liaison Committee for expenditure in connection with this visit.

***4. Evidence-based early-years intervention***

*Ordered*, That the following written evidence relating to Evidence-based early-years intervention be reported to the House for publication.

Young Adults Matters  
Young Adults Matters (Supplementary)

[Adjourned till Tuesday 30 October at 9.00am

**Tuesday 30 October 2018**

Members present:

Norman Lamb

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Darren Jones

Graham Stringer

***1. Evidence-based Early years intervention***

Draft Report (*Evidence-based early years intervention*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Eleventh Report of the Committee, HC 506.*

***2. Quantum technologies***

*Ordered*, That the following written evidence relating to Quantum technologies be reported to the House for publication:

Department for Business, Energy and Industrial Strategy

UK Research and Innovation

***3. Impact of social media and screen-use on young people's health***

*Ordered*, That the written evidence relating to Impact of social media and screen-use on young people's health submitted by Professor Lorna Woods and William Perrin, be reported to the House for publication.

***4. Algorithms in decision-making***

*Ordered*, That the written evidence relating to Algorithms in decision-making submitted by the Information Commissioner's Office be reported to the House for publication.

***5. E-cigarettes***

*Ordered*, That the written evidence relating to E-cigarettes submitted by Matt Hancock MP, Secretary of State for Health and Social Care, be reported to the House for publication.

***6. Balance and effectiveness of research and innovation spending***

The Committee considered this matter.

***7. Energy drinks***

The Committee considered this matter.

### **8. Japanese knotweed**

*Resolved*, That the Committee inquire into Japanese knotweed.

### **9. Ways of working**

The Committee considered this matter.

### **10. Parliament Week 2018**

*Resolved*, That the Committee inquire into 'My Science inquiry'.

[Adjourned till Tuesday 6 November at 9.00am

**Tuesday 13 November 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Carol Monaghan

Liz Kendall

Graham Stringer

### **1. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to Balance and effectiveness of research and innovation spending be reported to the House for publication:

Royal Society of Biology

Professor Andrew Webster, University of York

*Ordered*, That Dr Kieron Flanagan be appointed a Specialist Adviser to assist the Committee in matters relating to Balance and effectiveness of research and innovation spending. (*For details of declarations of interests, see Appendix.*)

### **2. Quantum technologies**

*Ordered*, That the written evidence relating to quantum technologies submitted by BT Group be reported to the House for publication.

### **3. Digital Government**

*Ordered*, That Dr Jerry Fishenden be appointed a Specialist Adviser to assist the Committee in matters relating to Digital Government. (*For details of declarations of interests, see Appendix.*)

### **4. Small Business Research Initiative (SBRI)**

*Ordered*, That correspondence with the Chancellor of the Exchequer, from the Chairs of the Science and Technology, Treasury and Business, Energy and Industrial Strategy Committees, be reported to the House for publication.

**5. Research integrity: clinical trials**

*Ordered*, That correspondence with Duncan Selbie, Chief Executive, Public Health England, relating to Research integrity: clinical trials, be reported to the House for publication.

**6. Forensic Science Regulator Bill**

*Ordered*, That correspondence with Andrea Leadsom MP, Leader of the House, relating to the Forensic Science Regulator Bill be reported to the House for publication.

**7. Impact of social media and screen-use on young people's health**

*Ordered*, That the following written evidence relating to Impact of social media and screen-use on young people's health be reported to the House for publication:

Tumblr  
NSPCC

Anne Longfield, Children's Commissioner for England, Yih-Choung Teh, Group Director, Strategy and Research, Ofcom, and Natasha Devon, Body Image and Mental Health Campaigner, gave oral evidence.

Margot James MP, Minister for Digital and the Creative Industries, Department for Digital, Culture, Media and Sport, and Jackie Doyle-Price MP, Parliamentary Under Secretary of State for Mental Health, Inequalities and Suicide Prevention, Department of Health and Social Care, gave oral evidence.

[Adjourned till Tuesday 20 November at 9.00am

**Tuesday 20 November 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Damien Moore
Bill Grant	Carol Monaghan
Darren Jones	Graham Stringer
Stephen Metcalfe	

**1. Energy drinks**

The Committee considered this matter

**2. Impact of social media and screen-use on young people's health**

*Ordered*, That the following written evidence relating to Impact of social media and screen-use on young people's health be reported to the House for publication:

Twitter  
Facebook  
Yoti

### **3. Quantum technologies**

*Ordered*, That the written evidence relating to quantum technologies submitted by the Department for Business, Energy and Industrial Strategy be reported to the House for publication.

### **4. Correspondence on the EU proposal for provisions on cross-border data flows and protection of personal data and privacy**

The Committee considered this matter

### **5. Balance and effectiveness of research and innovation spending**

Sir Paul Nurse, Director, The Francis Crick Institute, Kirsten Bound, Executive Director of Research, Analysis and Policy, Nesta, Professor James Wilsdon, Professor of Research Policy, University of Sheffield, and Chair, Academy of Social Sciences Policy Working Group, and Dr Sarah Main, Executive Director, Campaign for Science and Engineering, gave oral evidence.

Professor Jakob Edler, Fraunhofer Institute for Systems and Innovation Research, Germany, Mr Ernesto Fernandez Polcuch, Chief of Section, Science Policy and Partnerships, UNESCO, Paris, and Dr Jos van den Broek, Senior Researcher, Rathenau Instituut, Netherlands, gave oral evidence.

Professor Paul Nightingale, Professor of Strategy, Science Policy Research Unit, University of Sussex, and Designate Director of Strategy and Operations, ESRC, and Professor Joanna Chataway, Head of Department, Science, Technology, Engineering and Public Policy, University College London, and Deputy Director of Science Policy, Research Unit, University of Sussex, gave oral evidence.

[Adjourned till Tuesday 27 November at 9.00am

**Tuesday 27 November 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Damien Moore

Darren Jones

Martin Whitfield

### **1. Quantum technologies**

Draft Report (*Quantum technologies*) proposed by the Chair, brought up and read.

*Ordered*, That the written evidence relating to Quantum technologies submitted by the Institute of Physics be reported to the House for publication.

*Ordered*, That correspondence from the Committee to the Department for Business, Energy and Industrial Strategy, relating to Quantum technologies, be reported to the House for publication.



*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Twelfth Report of the Committee, HC 820.*

## **2. Energy drinks and children**

Draft Report (*Energy drinks and children*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Thirteenth Report of the Committee, HC 821.*

## **3. Impact of social media and screen-use on young people's health**

*Ordered*, That the written evidence relating to Impact of social media and screen-use on young people's health submitted by the Department of Health and Social Care be reported to the House for publication.

## **4. Digital Government**

Tom Loosemore, Partner, Public Digital and Dafydd Vaughn, Director, Cedryrn Ltd, gave oral evidence.

[Adjourned till Tuesday 4 December at 9.00am

**Tuesday 4 December 2018**

Members present:

Norman Lamb, in the Chair

Stephen Metcalfe

Graham Stringer

Carol Monaghan

Martin Whitfield

### **1. E-cigarettes**

*Ordered*, That correspondence with Matt Hancock MP, Secretary of State for Health and Social Care relating to E-cigarettes be reported to the House for publication.

### **2. Impact of social media and screen-use on young people's health**

*Ordered*, That the following written evidence relating to Impact of social media and screen-use on young people's health be reported to the House for publication:

Liz Kendall MP

Department for Digital, Culture, Media and Sport

XMOS

### **3. Digital Government**

Professor Vishanth Weerakkody, Professor of Information Systems Management and Governance, University of Bradford, Robert McLaren, Head of Industry, Technology and Innovation, Policy Connect, Sam Smith, Coordinator, medConfidential, and Professor Helen Kennedy, Professor of Digital Society, University of Sheffield, gave oral evidence.

Dr Fiona Lugg-Widger, Research Associate for Routine Data, Centre for Trials Research, Tom Smith, Managing Director of Data Science Campus, Office for National Statistics, Joel Bellman, Partner, Deloitte, and Councillor Peter Fleming, Chairman of the LGA Improvement and Innovation Board, Local Government Association, gave oral evidence.

[Adjourned till Tuesday 11 December at 9.30am

**Tuesday 11 December 2018**

Members present:

Norman Lamb, in the Chair

Stephen Metcalfe

Graham Stringer

Carol Monaghan

Martin Whitfield

Damien Moore

***1. Impact of social media and screen-use on young people's health***

*Ordered*, That the following written evidence relating to Impact of social media and screen-use on young people's health be reported to the House for publication:

Ofcom

Google UK

Digital Policy Alliance

***2. Technologies for meeting Clean Growth reduction targets***

*Ordered*, That the following written evidence relating to Technologies for meeting Clean Growth reduction targets be reported to the House for publication:

Menter Môn

CBMNet

Tokamak Energy Ltd

ULEMCo Ltd

OVO Energy

Mr Andrew Lewis

UCL Green Innovation Policy Commission

ABB

Policy Connect

Pupils 2 Parliament

Sustainable Marine Energy

National Physical Laboratory

Cadent

Department for Business, Energy and Industrial Strategy

Anglian Water Services

Nuclear Industry Association

National Grid

EDF Energy  
Scottish Carbon Capture and Storage  
Greenpeace UK  
Carbon Capture and Storage Association  
Energy UK  
Drax Group plc  
Renewable Energy Association  
Calor  
Federation of Petroleum Suppliers  
Energy Systems Catapult  
SMMT  
EUA  
Decarbonised Gas Alliance  
Ofgem  
UK Hydrogen and Fuel Cell Association  
E.ON  
Rolls-Royce Plc  
SGN  
Dr Jonathan Radcliffe, University of Birmingham  
Environmental Defense Fund Europe  
Nova Innovation Ltd  
Professor Jonathan Gibbins  
Anglo American  
Marine Energy Wales  
Bright Blue  
Highview Power  
The Geological Society  
Eaton  
Solar Trade Association  
ChargePoint  
Royal Academy of Engineering (cross-engineering sector response)  
The Royal Society  
UK Energy Research Centre  
UK Research and Innovation  
Energy Networks Association  
Dr Duncan Connors

**3. Organisms obtained by mutagenesis**

*Ordered*, That correspondence with Rt Hon Michael Gove MP, Secretary of State for Environment, Food and Rural Affairs, relating to organisms obtained by mutagenesis, be reported to the House for publication.

**4. Work of the Science Minister and the Government Chief Scientific Adviser**

Dr Patrick Vallance, Government Chief Scientific Adviser and Dr Rupert Lewis, Government Office for Science, gave oral evidence.

[Adjourned till Tuesday 18 December at 9.00am

**Tuesday 18 December 2018**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Graham Stringer

Darren Jones

Martin Whitfield

**1. *Technologies for meeting Clean Growth reduction targets***

*Ordered*, That the following written evidence relating to Technologies for meeting Clean Growth reduction targets be reported to the House for publication:

Energy Technologies Institute

UKLPG

Enertek International Ltd

Mr Timothy Kingham

Durham Energy Institute

Johnson Matthey

RenewableUK

**2. *UK Research and innovation Review of Open Access***

*Ordered*, That correspondence with the Minister for Universities, Science, Research and Innovation, relating to the UK Research and Innovation Review of Open Access, be reported to the House for publication.

**3. *'No deal' preparations and Horizon 2020***

*Ordered*, That correspondence with the Minister for Universities, Science, Research and Innovation, relating to 'No deal' preparations and Horizon 2020, be reported to the House for publication.

**4. *Government Response: E-cigarettes***

The Committee considered this matter.

**5. *Brexit, science and innovation: preparations for 'no-deal'***

*Resolved*, That the Committee inquire into Brexit, science and innovation: preparations for 'no-deal'.

### **6. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to the Balance and effectiveness of research and innovation spending be reported to the House for publication:

Professor Joanna Chataway

Norwich Research Park

Keith Thompson, Chair, Catapult CEO network, and CEO, Cell and Gene Therapy Catapult, Professor Richard Brook, President, Association of Innovation, Research & Technology Organisations (AIRTO), David Connell, Senior Research Fellow, Centre for Business Research, Cambridge Judge Business School and Felicity Burch, Director of Innovation and Digital, Confederation of British Industry, gave oral evidence.

Dr Robert Massey, Deputy Executive Director, Royal Astronomical Society, Professor Dame Ann Dowling, President, Royal Academy of Engineering, Professor Neil Hall, Director, Earlham Institute and Dr Charmaine Griffiths, Chief Operating Officer, The Institute of Cancer Research, gave oral evidence

[Adjourned till Tuesday 8 January 2019 at 9.00am

### **Tuesday 8 January 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Carol Monaghan

Bill Grant

Damien Moore

Darren Jones

Graham Stringer

Stephen Metcalfe

Martin Whitfield

### **1. Balance and effectiveness of research and innovation spending**

*Ordered*, That the written evidence relating to the Balance and effectiveness of research and innovation spending submitted by UNESCO be reported to the House for publication.

### **2. Evidence-based early years intervention**

*Ordered*, That the written evidence relating to Evidence-based early years intervention submitted by Peter Aylward be reported to the House for publication.

### **3. Japanese Knotweed in the built environment**

*Ordered*, That the following written evidence relating to *Japanese Knotweed in the built environment* be reported to the House for publication:

Dr Rosemary Mason

C J and Y Rattew

Swansea Council  
Environet UK Ltd  
Japanese Knotweed Solutions Limited  
The Law Society  
Royal Institution of Chartered Surveyors  
Crop Protection Association  
Swansea University  
Property Care Association  
Phlorum Ltd  
PBA Solutions (Landscape) Ltd  
The Knotweed Company Ltd  
UK Finance  
Environment Agency  
Royal Horticultural Society  
Charles Lyndon Solicitors  
Japanese Knotweed Ltd  
Philip Santo & Co  
The Amenity Forum  
Conservation Land Services Ltd  
Complete Weed Control Ltd  
Chartered Institute of Ecology and Environmental Management  
(CIEEM)

#### ***4. My Science Inquiry***

*Ordered*, That the following written evidence relating to the *My Science Inquiry* be reported to the House for publication:

UK Hydrogen and Fuel Cell Association  
Professor Abdel Salhi  
Mr James Sambrook  
University of Bristol  
Ms Nina Schuller  
University of Southampton  
Dr Suzanne Audrey  
Dr Lilian Hunt  
Earlham Institute  
Mr Nikolay Gurianov  
WebRoots Democracy  
Sam Downie  
Professor Allan Walton, Dr Paul Anderson and Dr Gavin Harper,  
Birmingham Centre for Strategic Elements and Critical Materials,  
University of Birmingham  
Royal Astronomical Society  
RSPCA

RSPCA  
RSPCA  
RSPCA  
Emma Williams  
Digital Anthropology  
Society for Applied Microbiology  
Mental Health Foundation  
Jisc  
Professor Ed Hawkins, National Centre for Atmospheric Science  
Professor Hayley Fowler, University of Newcastle  
Dr Matt Fry, Centre for Ecology & Hydrology  
Dr Ivan Haigh, National Oceanography Centre  
Professor Chris Scott, University of Reading  
Dr Emma Yhnell  
Norwich FarmShare  
Dr Tammy Campbell  
Padhmanand S  
The Physiological Society  
Dr Paul Knott  
Dr John Lincoln  
Photonics Leadership Group  
Royal Society of Chemistry  
The Association of the British Pharmaceutical Industry  
Future Advocacy  
Campaign for Science and Engineering  
Action for M.E.  
CBMNet  
Dr Annette Bramley  
University of Southampton  
Sally Phillips and Colette Lloyd  
Ms Rebecca Fisher  
British Academy of Management  
Dr Glenn Flux  
Professor Catriona McKinnon  
Professor Rachel Oliver and 203 others  
Ms Marika Cencelli  
University of Bath  
Feed  
Professor Toby Peters  
Callum Taylor  
Dr Melanie Smallman  
STOPAIDS  
Versus Arthritis

University of Leicester  
Centre for Genomics and Experimental Medicine, Institute of Genetics  
and Molecular Medicine, University of Edinburgh  
UCL researchers, UCL Public Policy  
UCL Energy Institute  
University of Manchester (on behalf of Dr Barbara Ribeiro)  
Dr John Riches  
University of Manchester (on behalf of Dr Petra Kalshoven)  
University of Manchester (on behalf of Professor Sheena Cruickshank)  
University of Manchester (on behalf of Professor Sarah Cartmell)  
Nuffield Council on Bioethics University of Manchester (on behalf of Ruth Norris)  
University of Manchester (on behalf of Dr Caroline Jay)  
University of Manchester (on behalf of Professor Claire Mills)  
University of Wolverhampton  
Professor Toby Bruce  
Cancer Research UK  
University of East London  
Dr Lina Brand Correa  
National Farmers Union (NFU)  
Shimpling Park Farms Limited  
National Institute for Health Research (NIHR)  
Jessica Almine  
Dr Stephen Foord  
Kidney Research UK  
Hydrogeological Group of the Geological Society  
Web and Internet Science Group, University of Southampton  
Cellular Agriculture UK  
Jim Rudy  
Microbiology Society  
MSD  
Mike Larkin

*Ordered*, That part of the the written evidence relating to ‘My Science Inquiry’ submitted by Dr Julian Derry be reported to the House for publication.

***5. Technologies for meeting Clean Growth emissions reduction targets***

*Ordered*, That the following written evidence relating to the *Technologies for meeting Clean Growth emissions reduction targets* be reported to the House for publication:

Victor Harman  
Dolphin N2  
Centre for Research into Energy Demand Solutions

***6. The Parliamentary Behaviour Code***



The Committee considered this matter.

**7. E-cigarettes**

*Ordered*, That correspondence with Dr Ian Hudson, Chief Executive, Medicines and Healthcare products Regulatory Agency (MHRA), relating to E-cigarettes, be reported to the House for publication.

**8. Energy drinks and children**

*Ordered*, That correspondence with Guy Parker, Chief Executive, Advertising Standards Authority, relating to Energy drinks and children, be reported to the House for publication.

**9. Biometrics Strategy and Forensic Services**

*Ordered*, That correspondence with the Minister of State, Home Office relating to the Biometrics Strategy and Forensic Services, be reported to the House for publication.

*Ordered*, That correspondence with the Minister of State, Home Office relating to the Forensic Science Regulator Bill, be reported to the House for publication.

**10. Provision of food safety advice for vulnerable people**

*Ordered*, That correspondence with Jason Feeny, Chief Executive, Food Standards Agency, relating to the provision of food safety advice for vulnerable people, be reported to the House for publication.

**11. Digital Government**

*Ordered*, That the following written evidence relating to *Digital Government* be reported to the House for publication:

Open Rights Group  
PUBLIC  
medConfidential  
The Legal Education Foundation

Damien Moore declared a non-pecuniary interest that he was the Chair of the APPG on blockchain.

Professor Chris Johnson, Member of the Executive Committee, UK Computing Research Committee, Simon Hansford, Co-founder and Chief Executive Officer, UKCloud, and Antony Walker, Deputy Chief Executive Officer, techUK, gave oral evidence.

Professor Helen Margetts, Programme Director for Public Policy, Alan Turing Institute, Peter Wells, Head of Public Policy, Open Data Institute, and Daniel Korski, Co-founder and Chief Executive Officer, PUBLIC, gave oral evidence

[Adjourned till Tuesday 15 January 2019 at 9.00am

**Tuesday 15 January 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Carol Monaghan

Bill Grant

Graham Stringer

Darren Jones

Martin Whitfield

Stephen Metcalfe

**1. *Digital Government***

*Ordered*, That the written evidence relating to Digital Government submitted by Doctors in Unite be reported to the House for publication.

**2. *Government Response: Flu vaccination programme in England***

The Committee considered this matter.

**3. *Balance and effectiveness of research and innovation spending***

The Committee considered this matter.

**4. *Clinical Trials***

The Committee considered this matter.

**5. *Technologies for meeting Clean Growth emissions reduction targets***

*Ordered*, That the written evidence relating to the *Technologies for meeting Clean Growth emissions reduction targets* submitted by Imperial College London be reported to the House for publication.

Lord Deben, Chairman, Committee on Climate Change and Chris Stark, Chief Executive, Committee on Climate Change, gave oral evidence.

Professor Jim Watson, Director, UK Energy Research Centre, Malcolm Brinded, Fellow, Royal Academy of Engineering and allied institutions, and Guy Newey, Director of Strategy and Performance, Energy Systems Catapult, gave oral evidence.

[Adjourned till Tuesday 22 January 2019 at 9.00am]

**Tuesday 22 January 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford  
Stephen Metcalfe

Carol Monaghan  
Graham Stringer

**1. Impact of social media and screen-use on young people's health**

*Ordered*, That the written evidence relating to Impact of social media and screen-use on young people's health submitted by Andrew Tresidder be reported to the House for publication.

**2. Evidence-based early years intervention**

The Committee considered this matter.

**3. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to the Balance and effectiveness of research and innovation spending be reported to the House for publication:

Nesta  
David Connell

**4. Technologies for meeting Clean Growth emissions reduction targets**

*Ordered*, That Dr Jonathan Radcliffe be appointed a Specialist Adviser to assist the Committee in matters relating to Technologies for meeting Clean Growth emissions reduction targets. (*For details of declarations of interests, see Appendix.*)

**5. Work of the Government Chief Scientific Adviser**

*Ordered*, That correspondence with Sir Patrick Vallance, Government Chief Scientific Adviser, relating to the Work of the Government Chief Scientific Adviser, be reported to the House for publication.

**6. Digital Government**

*Ordered*, That correspondence with John Manzoni, Chief Executive, Civil Service and Cabinet Office Permanent Secretary, relating to Digital Government, be reported to the House for publication.

**7. Energy Drinks**

*Ordered*, That correspondence with Andy Burman, Chief Executive, British Dietetic Association, relating to Energy Drinks and Children, be reported to the House for publication.

**8. The security of the UK's communications infrastructure**

*Ordered*, That correspondence with the Foreign and Commonwealth Office, the Department for Digital, Culture, Media and Sport, the Ministry of Defence and Huawei, relating to the security of the UK's communications infrastructure, be reported to the House for publication.

**9. Japanese knotweed and the built environment**

*Ordered*, That the following written evidence relating to Japanese knotweed and the built environment be reported to the House for publication:

Advance Invasives Limited  
The Grounds Care Group (UK) Ltd  
Francis Bernstein

Professor Max Wade, Technical Director (Ecology), AECOM, Dr Daniel Jones, managing Director, Advanced Invasives and Honorary Researcher, Swansea University, Sean Hathaway, Environment Officer, Swansea Council, and Ben Lindley, Sales and marketing Director, Japanese Knotweed Ltd, gave oral evidence.

Dr Mark Diamond, Head of Ecology, Environment Agency, John Baguley, Tangible Assets Valuation Director, Royal Institution of Chartered Surveyors, Matthew Jupp, Principal Mortgages, UK Finance, and Stephen Hodgson, Chief Executive Officer, Property care Association, gave oral evidence.

[Adjourned till Tuesday 29 January 2019 at 9.00am

## **Tuesday 29 January 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Carol Monaghan
Bill Grant	Damien Moore
Mr Sam Gyimah	Graham Stringer
Darren Jones	Martin Whitfield
Stephen Metcalfe	

### **1. Declaration of interests: New Member**

Mr Sam Gyimah declared his interests, pursuant to the resolution of the House of 13 July 1992. (See Appendix).

### **2. Impact of social media and screen-use on young people's health**

Draft Report (*Impact of social media and screen-use on young people's health*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Fourteenth Report of the Committee, HC 822.*

### **3. 'My Science Inquiry'**

Dr Jyotsna Vohra, Head of the Cancer Policy Research Centre, Dr Robert Massey, Deputy Executive Director, Royal Astronomical Society, Dr Chris Brown, Policy and Public Affairs Manager, Society for Applied Microbiology, Dr Nicola Patron, Synthetic Biology Group Leader, Earlham Institute, James Tooze, Policy Officer, Campaign for Science and Engineering, Dr Emma

Williams, Vice Chancellor's Fellow in Digital Innovation and Wellbeing, School of Psychological Science, University of Bristol, Catherine Joynson, Assistant Director, Nuffield Council on Bioethics, Professor Toby Bruce, Professor of Insect Chemical Ecology, Keele University, Professor Rachel Oliver, Professor of Material Science, University of Cambridge, and Dr Gesche Huebner, Senior Research Associate, UCL Energy Institute, gave oral evidence.

#### **4. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to the Balance and effectiveness of research and innovation spending be reported to the House for publication:

STOPAIDS

Earlham Institute

Design Council

#### **5. Digital Government**

*Ordered*, That written evidence from the Department for Digital, Culture, Media and Sport, relating to Digital Government, be reported to the House for publication.

#### **6. Brexit, Science and Innovation: preparations for 'No-Deal'**

*Ordered*, That the following written evidence relating to Brexit, Science and Innovation: preparations for 'No-Deal' be reported to the House for publication:

BSTP

The Royal College of Pathologists

Institute of Physics and Engineering in Medicine

The Institution of Engineering and Technology

Universities UK

Newcastle University

British Society for Immunology

UK Computing Research Council

Muscular Dystrophy UK

Association of Clinical Research Organizations (ACRO)

Royal Astronomical Society

AIRTO Ltd

MSD

BCS The Chartered Institute for IT

British Measurement and Testing Association

European Animal Research Association

The Royal Society of Biology

Prospect

Royal Society of Chemistry

UK Research and Innovation

Chemical Industries Association

Society for Applied Microbiology

Understanding Animal Research  
The Francis Crick Institute  
Imperial College London  
British Medical Association  
Association of Medical Research Charities  
British Pharmacological Society  
BIVDA  
Cancer Research UK  
Royal Society of Edinburgh  
Wellcome Trust  
The British Academy  
Royal Academy of Engineering  
Spanish Researchers in the United Kingdom (SRUK)  
STFC Science Board  
Coventry University, Centre for Dance Research (C-DaRE)  
Scientists for EU

**7. *Work of the Science Minister and ‘No Deal’ Brexit preparations***

*Ordered*, That correspondence with the Minister for Universities, Science, Research and Innovation, Department for Business, Energy and Industrial Strategy, relating to the Work of the Science Minister and ‘No Deal’ Brexit preparations, be reported to the House for publication.

**8. *Biometrics Strategy and the Forensic Science Review***

*Ordered*, That correspondence with the Minister for Countering Extremism, Home Office, relating to the Biometrics Strategy and the Forensic Science Review, be reported to the House for publication.

**9. *Forensic Science Regulation***

*Ordered*, That correspondence with Dr Gillian Tully, Forensic Science Regulator, relating to the Forensic Science Regulation, be reported to the House for publication.

**10. *The ‘Internet of Things’***

*Ordered*, That correspondence with the Minister for Digital and the Creative Industries, Department for Digital, Culture, Media and Sport, relating to then ‘Internet of Things’, be reported to the House for publication.

**11. *Publishing of correspondence and written evidence in-between meetings***

*Resolved*, That in the 2017–19 session, where the Committee receives evidence or correspondence which, in the Chair’s judgement, merits publication by the Committee before it will meet again, the Chair shall have discretion to report it to the House for publication , provided that i) the evidence or correspondence concerned shall have been circulated to the Committee and ii) all members shall have been given the opportunity to object to such publication before it takes place.

[Adjourned till Wednesday 30 January 2019 at 9.00am

**Tuesday 30 January 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant

Graham Stringer

Mr Sam Gyimah

Martin Whitfield

Stephen Metcalfe

**1. Evidence-based early years intervention: Government's Response**

Draft Report (*Evidence-based early years intervention: Government's Response to the Committee's Eleventh Report of Session 2017-19*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Fifteenth Report of the Committee, HC 1898.*

**2. 'Internet of Things'**

*Ordered*, That correspondence with the Minister for Universities, Science, Research and Innovation, Department for Business, Energy and Industrial Strategy, relating to the 'Internet of Things', be reported to the House for publication.

**3. Brexit, Science and Innovation: preparations for 'No-Deal'**

Giles Derrington, Head of Policy: Brexit, international and Economics, techUK, Professor Peter Bruce FRS, Vice President and Physical Secretary, The Royal Society, and Professor Tim Wheeler, Director for International, UK Research and Innovation, gave oral evidence.

**4. Work of the Science Minister and the Chief Scientific Adviser**

Chris Skidmore MP, Minister of State for Universities, Science, Research and Innovation, Sarah Redwood, Deputy Director, EU Science and Innovation Programmes, and Jenny Dibden, Director, Science, Research and Innovation, Department for Business, Energy and Industrial Strategy, gave oral evidence.

[Adjourned till Tuesday 5 February 2019 at 9.30am

**Tuesday 5 February 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Carol Monaghan

Bill Grant

Damien Moore

Darren Jones

Graham Stringer

Stephen Metcalfe

**1. Balance and effectiveness of research and innovation spending**

*Ordered*, That the written evidence relating to Balance and effectiveness of research and innovation spending submitted by The Institute of Cancer be reported to the House for publication.

**2. Brexit, Science and Innovation: preparations for 'No-Deal'**

*Ordered*, That the following written evidence relating to *Brexit, Science and Innovation: preparations for 'No-Deal'* be reported to the House for publication:

John Innes Centre  
The Royal Society  
Lilly UK  
BioIndustry Association  
Academy of Medical Sciences  
Campaign for Science and Engineering  
Russell Group

**3. PACE trial and Research integrity**

*Ordered*, That correspondence with Professor Sir Jonathan Montgomery, Chair, NHS Health Research Authority, relating to PACE trial and Research integrity, be reported to the House for publication.

**4. E-cigarettes**

*Ordered*, That correspondence with Professor Stephen Powis, National Medical Director, NHS England, relating to E-cigarettes, be reported to the House for publication.

**5. UK's communications infrastructure**

*Ordered*, That correspondence with Huawei, relating to the UK's communications infrastructure, be reported to the House for publication.

**6. Japanese Knotweed and the built environment**

The Committee discussed this matter.

**7. Technologies for meeting Clean Growth emissions reduction targets**

The Committee discussed this matter.

**8. Work of the Centre for Data Ethics and Innovation**

Stephen Metcalfe declared a non-pecuniary, namely: Co-Chair of the All-Party Parliamentary Group on Artificial Intelligence.

Darren Jones declared non-pecuniary interests, namely: Co-Chair of a Parliamentary Commission on Technology Ethics as part of the All-Party Parliamentary Group on Data



Analytics; and Darren Jones had sought to put the Centre for Data Ethics and Innovation on a statutory footing through amendment to the Data Protection Bill.

Roger Taylor, Chair, Centre for Data Ethics and Innovation, gave oral evidence.

[Adjourned till Tuesday 12 February 2019 at 9.00am]

## **Tuesday 12 February 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Darren Jones

Bill Grant

Carol Monaghan

### ***1. Research integrity: Clinical trials transparency***

Draft Special Report (*Research integrity: Clinical trials transparency: Health Research Authority Response to the Committee's Tenth Report of Session 2017–19*), proposed by the Chair, brought up, read the first and second time, and agreed to.

### ***2. Impact of social media and screen-use on young people's health***

*Ordered*, That the written evidence relating to Impact of social media and screen-use on young people's health submitted by Chris Austin be reported to the House for publication.

*Ordered*, That correspondence with Jimmy Schulz, Chairman of the Committee on the Digital Agenda in the German Bundestag, relating to the Network Enforcement Act (NetzDG), be reported to the House for publication on the internet.

### ***3. Japanese Knotweed and the built environment***

*Ordered*, That the written evidence relating to Japanese Knotweed and the built environment submitted by the Environment Agency be reported to the House for publication.

### ***4. Future programme and new inquiries***

The Committee considered this matter.

### ***5. My Science Inquiry***

Draft Report (*My Science Inquiry*) proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published in the Sixteenth Report of the Committee, HC 1716.*

[Adjourned till Tuesday 26 February 2019 at 9.00am]

## **Tuesday 26 February 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant

Damien Moore

Darren Jones

Graham Stringer

Stephen Metcalfe

**1. *Japanese Knotweed and the built environment***

*Ordered*, That the following written evidence relating to *Japanese Knotweed and the built environment* be reported to the House for publication:

Chartered Institute of Ecology and Environmental Management  
Japanese Knotweed Ltd  
RICS

**2. *E-cigarettes***

*Ordered*, That correspondence with Matt Hancock MP, Secretary of State, Department of Health and Social Care, relating E-cigarettes, be reported to the House for publication on the internet.

**3. *'My Science Inquiry'***

The Committee considered this matter.

**4. *Future Progra***

*Resolved*, That the Committee inquire into Commercial Genomics.

*Resolved*, That the Committee inquire into Commercial and recreational drone use in the UK.

**5. *Technologies for meeting Clean Growth emissions reduction targets***

*Ordered*, That the written evidence relating to Technologies for meeting Clean Growth emissions reduction targets submitted by Mr George Busby be reported to the House for publication.

Amanda Lyne, Chair, UK Hydrogen and Fuel Cell Association, Andy Eastlake, Managing Director, Low Carbon Vehicle Partnership, and Tanya Sinclair, Policy Director UK and Ireland, ChargePoint, gave oral evidence.

David Weatherall, Head of Policy, Energy Saving Trust and Jenny Holland, Senior Public Affairs and Policy Specialist, UK Green Building Council, gave oral evidence.

[Adjourned till Thursday 28 February 2019 at 10.45am

**Thursday 28 February 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Darren Jones

Bill Grant

Carol Monaghan

**1. Declaration of interest**

The Chair declared a pecuniary interest as Chair of an advisory board at XenZone.

**2. Balance and effectiveness of research and innovation spending**

Professor Graeme Reid, Professor of Science and Research Policy, University College London, Professor Colette Fagan, Russell Group, and Gordon McKenzie, Chief Executive Officer, GuildHE, gave oral evidence.

Dr Peter O'Brien, Executive Director, Yorkshire Universities, Sarah Haywood, Chief Executive, MedCity, Professor Jonathan Seckl, Vice Principal, Planning, Resources & Research Policy, University of Edinburgh, and Professor Anthony Hollander, Pro-Vice-Chancellor for Research and Impact, University of Liverpool, gave oral evidence.

[Adjourned till Monday 4 March 2019 at 1.00pm]

**Monday 4 March 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Darren Jones

Bill Grant

Damien Moore

Mr Sam Gyimah

Graham Stringer

**1. Balance and effectiveness of research and innovation spending**

The Committee considered this matter.

**2. Japanese Knotweed and the built environment**

*Ordered*, That the following written evidence relating to *Japanese Knotweed and the built environment* be reported to the House for publication:

Advance Invasives Ltd

Metro Bank

HSBC

**3. No-deal Brexit preparedness**

*Ordered*, That the written evidence relating to No-deal Brexit preparedness submitted by UKRI be reported to the House for publication.

#### **4. Flu vaccination programme in England**

*Ordered*, That correspondence with Matt Hancock MP, Secretary of State, Department of Health and Social Care, relating to the Flu vaccination programme in England, be reported to the House for publication on the internet.

*Ordered*, That correspondence with NHS England, relating to the Flu vaccination programme in England, be reported to the House for publication on the internet.

#### **5. Horizon 2020 Framework Programme for Research and Innovation**

The Committee considered this matter.

#### **6. Research integrity: clinical trials transparency**

The Committee considered this matter.

#### **7. Quantum technologies**

Draft Special Report (*Quantum technologies to the Committee's Twelfth Report of Session 2017–19*), proposed by the Chair, brought up, read the first and second time, and agreed to.

#### **8. Liaison Committee inquiry: The effectiveness and influence of the select committee system**

The Committee considered this matter.

#### **9. Correspondence with the Lancet and the Medical Research Council**

*Ordered*, That correspondence with the Lancet and the Medical Research Council, relating to tracheal transplantation, be reported to the House for publication on the internet.

#### **10. Digital Government**

The Chair declared a pecuniary interest as Chair of an advisory board at XenZone.

Matthew Gould, Director General for Digital and Media Policy, Department for Digital, Culture, Media and Sport, Kevin Cunnington, Director General, Government Digital Service, and Simon McKinnon, Interim Chief Digital and Information Officer, Department for Work and Pensions, gave oral evidence.

Margot James MP, Minister for Digital and Creative Industries, Department for Digital, Culture, Media and Sport and Oliver Dowden MP, Minister for Implementation, Cabinet Office, gave oral evidence.

[Adjourned till Tuesday 19 March 2019 at 9.00am

**Tuesday 19 March 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford  
Bill Grant  
Darren Jones  
Stephen Metcalfe

Carol Monaghan  
Damien Moore  
Graham Stringer  
Martin Whitfield

**1. *Balance and effectiveness of research and innovation spending***

*Ordered*, That the following written evidence relating to *Balance and effectiveness of research and innovation spending* be reported to the House for publication:

Prime Minister's Council for Science and Technology  
Universities UK

**2. *Japanese Knotweed and the built environment***

*Ordered*, That the written evidence relating to Japanese Knotweed and the built environment submitted by Network Rail be reported to the House for publication.

**3. *Technologies for meeting clean growth emissions target reductions***

*Ordered*, That correspondence with Chris Stark, Chief Executive, Committee on Climate Change, relating to Lord Deben's interests, be reported to the House for publication on the internet.

*Ordered*, That the following written evidence relating to *Technologies for meeting clean growth emissions target reductions* be reported to the House for publication:

National Franchised Dealers Association  
Heat Pump Association

**4. *Work of the Science Minister and the Government Chief Scientific Adviser***

*Ordered*, That correspondence from Chris Skidmore MP, Minister for Universities, Science, Research and Innovation, relating to follow-up to the Committee's evidence session on the Work of the Science Minister on 30 January, be reported to the House for publication on the internet.

**5. *Impact of social media and screen-use on young people's health***

*Ordered*, That correspondence with Elizabeth Denham, UK Information Commissioner, relating to the Impact of social media and screen-use on young people's health, be reported to the House for publication on the internet.

**6. *Security of the UK's communications infrastructure***

*Ordered*, That correspondence from Jeremy Wright MP, Secretary of State for Digital, Culture, Media and Sport, relating to the Security of the UK's communications infrastructure, be reported to the House for publication on the internet.

**7. *Clinical trials transparency***

*Ordered*, That correspondence from Duncan Selbie, Chief Executive, Public Health England, relating to Clinical trials transparency, be reported to the House for publication on the internet.

### **8. Dementia Research Institute**

The Committee considered this matter.

### **9. Tracheal transplanattion**

*Ordered*, That correspondence with the Lancet, relating tracheal transplantation, be reported to the House for publication on the internet.

### **10. Work of the Biometrics Commissioner and the Forensic Science Regulator**

*Ordered*, That the following written evidence relating to *Work of the Biometrics Commissioner and the Forensic Service Regulator* be reported to the House for publication:

Dr Joe Purshouse, Lecturer in Criminal Law, University of East Anglia  
Surveillance Camera Commissioner  
Leverhulme Research Centre for Forensic Science, University of Dundee  
Northumbria University Science and Justice RIG  
Metropolitan Police Service  
Microsoft  
Dr Julie Maxton  
Information Commissioner's Office

Dr Gillian Tully, Forensic Science Regulator, and Paul Wiles, Commissioner for the Retention and Use of Biometric Material, gave oral evidence.

Baroness Williams of Trafford, Minister of State for Countering Extremism, Home Office, Dr Christophe Prince, Director for Data and Identity, Home Office, and Professor John Aston, Chief Scientific Adviser, Home Office, gave oral evidence.

[Adjourned till Tuesday 26 March 2019 at 9.00am

**Tuesday 26 March 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

Graham Stringer

### **1. Work of the Centre for Data Ethics**

*Ordered*, That the written evidence relating to the *Work of the Centre for Data Ethics* submitted by Roger Taylor be reported to the House for publication.

### **2. My Science Inquiry**

*Ordered*, That correspondence with Sir Mark Walport, Chief Executive, UK Research and Innovation, relating to Open access and Plan S, be reported to the House for publication on the internet.

*Ordered*, That correspondence with Kelly Tolhurst MP, Minister for Small Business, Consumers and Corporate Responsibility, BEIS, and Margot James MP, Minister for Digital and the Creative Industries, DCMS, relating to Consumer smart devices and regulations, be reported to the House for publication on the internet.

*Ordered*, That correspondence with Chris Skidmore MP, Minister for Universities, Science, Research and Innovation, relating to Microbiome research and applications, be reported to the House for publication on the internet.

### **3. REACH Etc. (Amendments Etc.) (EU Exit) Regulations 2019**

*Ordered*, That correspondence with Dr Thérèse Coffey MP, Parliamentary Under-Secretary of State for the Environment, Department for Environment, Food and Rural Affairs, relating to REACH Etc. (Amendments Etc.) (EU Exit) Regulations 2019, be reported to the House for publication on the internet.

### **4. Committee priorities**

The Committee discussed this matter.

### **5. Balance and effectiveness of research and innovation spending**

*Ordered*, That written evidence relating to *Balance and effectiveness of research and innovation spending* submitted by the Department for Business, Energy and Industrial Strategy, be reported to the House for publication.

Sir Mark Walport, Chief Executive, and Rebecca Endean, Director of Strategy, UK Research and Innovation, gave oral evidence.

Chris Skidmore MP, Minister of State for Universities, Science, Research and Innovation, Jenny Dibden, Director, Science Research and Innovation, and Harriet Wallace, Director, International Science and Innovation Directorate, Department for Business, Energy and Industrial Strategy, gave oral evidence.

[Adjourned till Tuesday 2 April 2019 at 9.00am

### **Tuesday 2 April 2019**

Members present:

Vicky Ford

Bill Grant

Norman Lamb

Damien Moore

Graham Stringer

Martin Whitfield

Stephen Metcalfe

In the absence of the Chair, Stephen Metcalfe was called to the chair.

**1. Balance and effectiveness of research and innovation spending**

*Ordered*, That the written evidence relating to the *Balance and effectiveness of research and innovation spending* submitted by the Russell Group be reported to the House for publication.

**2. Work of the Biometrics Commissioner and the Forensic Science Regulator**

*Ordered*, That the written evidence relating to the *Work of the Biometrics Commissioner and the Forensic Science Regulator* submitted by the Home Office be reported to the House for publication.

**3. My Science inquiry**

*Ordered*, That correspondence with Claire Perry MP, Minister for Energy and Clean Growth, relating to the Impact of climate change on health and productivity in the UK, be reported to the House for publication on the internet.

**4. Pre-appointment hearings**

*Ordered*, That correspondence with Greg Clark MP, Secretary of State for Business, Energy and Industrial Strategy, relating to Pre-appointment hearings, be reported to the House for publication on the internet.

**5. Digital Government: Heads of Report**

The Committee considered this matter.

**6. Energy drinks and children: Government Response**

The Committee considered this matter.

**7. Dementia Research Institute**

*Resolved*, That the Committee visit the Dementia Research Institute.

**8. Technologies for meeting Clean Growth emissions reduction targets**

*Ordered*, That written evidence relating to *Technologies for meeting Clean Growth emissions reduction targets* submitted by Tokamak Energy Ltd, be reported to the House for publication.

Dr Nina Skorupska, Chief Executive, Renewable Energy Association, Tom Greatrex, Chief Executive, Nuclear Industry Association, Professor Keith Bell, University of Strathclyde and, Dr Robert Gross, Imperial College London, gave oral evidence.

Norman Lamb took the Chair.



Dr Nina Skorupska, Chief Executive, Renewable Energy Association, Tom Greatrex, Chief Executive, Nuclear Industry Association, Professor Keith Bell, University of Strathclyde and, Dr Robert Gross, Imperial College London, gave further oral evidence.

Randolph Brazier, Head of Innovation and Development, Energy Networks Association, Duncan Burt, Director of Operations, National Grid System Operator, Professor Nick Eyre, Director, Centre for Research into Energy Demand Solutions and, Professor Tim Green, Co-Director, Imperial College Energy Futures Lab, gave oral evidence.

In the absence of the Chair, Stephen Metcalfe was called to the chair.

Randolph Brazier, Head of Innovation and Development, Energy Networks Association, Duncan Burt, Director of Operations, National Grid System Operator, Professor Nick Eyre, Director, Centre for Research into Energy Demand Solutions and, Professor Tim Green, Co-Director, Imperial College Energy Futures Lab, gave further oral evidence.

[Adjourned till Tuesday 23 April 2019 at 12.30pm]

## **Tuesday 23 April 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Carol Monaghan

Bill Grant

Stephen Metcalfe

Darren Jones

Graham Stringer

### ***1. Balance and effectiveness of research and innovation spending***

*Ordered*, That the written evidence relating to the *Balance and effectiveness of research and innovation spending* submitted by Jerome Jackson be reported to the House for publication.

### ***2. Digital Government***

*Ordered*, That the written evidence relating to *Digital Government* submitted by the Department for Digital, Culture, Media and Sport and the Cabinet Office be reported to the House for publication.

### ***3. Evidence-based early years intervention***

*Ordered*, That the written evidence relating to *Evidence-based early years intervention* submitted by What About The Children? be reported to the House for publication.

### ***4. Work of the Biometrics Commissioner and Forensic Science Regulator***

*Ordered*, That the written evidence relating to the *Work of the Biometrics Commissioner and Forensic Science Regulator* submitted by the Office of the Biometrics Commissioner be reported to the House for publication.

**5. *My Science Inquiry: wearable technologies***

*Ordered*, That correspondence with Matt Hancock MP, Secretary of State for Health and Social Care, relating to '*My Science Inquiry*', be reported to the House for publication on the internet.

**6. *Information Commissioner's powers***

*Ordered*, That correspondence with Margot James MP, Minister for Digital and the Creative Industries, relating to the *Information Commissioner's powers*, be reported to the House for publication on the internet.

**7. *Online Harms White Paper***

*Ordered*, That correspondence with Jeremy Wright MP, Department for Digital, Culture, Media and Sport and Sajid Javid MP, and Home Office r, relating to the *Online Harms White Paper*, be reported to the House for publication on the internet.

**8. *Standards of Service***

The Committee considered this matter.

**9. *Technologies for meeting Clean Growth emissions reduction targets***

*Ordered*, That the written evidence relating to *Technologies for meeting Clean Growth emissions reduction targets* submitted by Renewable Thermal Systems Limited be reported to the House for publication.

*Ordered*, That correspondence with Claire Perry MP, Department for Business, Energy and Industrial Strategy, relating to *Flexibilities for carbon budgets*, be reported to the House for publication on the internet.

*Resolved*, That the Committee visit SSE and National Grid, Reading, in connection with the Committee's inquiry into Technologies for meeting Clean Growth emissions reduction targets.

Professor Jim Skea, Chair in Sustainable Energy, Imperial College London, Professor Gideon Henderson, Professor of Earth Sciences, University of Oxford, Dr Naomi Vaughan, Tyndall Centre for Climate Change Research, Professor Jonathan Gibbins, Centre Director, UK Carbon Capture and Storage Research Centre, gave oral evidence.

Claire Perry MP, Minister of State for Energy and Clean Growth, Department for Business, Energy and Industrial Strategy, Tim Lord, Director, Clean Growth, and Damitha Adikaari, Acting Director, Science and Innovation for Climate and Energy, Department for Business, Energy and Industrial Strategy gave oral evidence.

[Adjourned till Wednesday 8 May 2019 at 9.00am

*Wednesday 24 April 2019*

*The Chair, Vicky Ford and Stephen Metcalfe visited the Dementia Research Institute, UCL, London, in accordance with the Committee's decision of 2 April 2019.*

*Tuesday 30 April 2019*

*The Chair, Vicky Ford, Bill Grant and Darren Jones visited SSE and National Grid, Reading, in connection with the Committee's inquiry into Technologies for meeting Clean Growth emissions reduction targets, in accordance with the Committee's decision of 23 April.*

**Wednesday 8 May 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant

Carol Monaghan

Mr Sam Gyimah

***1. Balance and effectiveness of research and innovation spending***

*Ordered*, That the following written evidence relating to Balance and effectiveness of research and innovation spending be reported to the House for publication:

MedCity

Jerome Jackson

***2. Technologies for meeting Clean Growth emissions reduction targets***

*Ordered*, That the following written evidence relating to Technologies for meeting Clean Growth emissions reduction targets be reported to the House for publication:

Amir Eilon

Carbon Capture and Storage Association

Zenobē Energy

***3. E-cigarettes***

*Ordered*, That correspondence with Matt Hancock MP, Secretary of State for Health and Social Care, relating to E-cigarettes, be reported to the House for publication.

***4. Pre-appointment hearings***

*Ordered*, That correspondence with Greg Clark MP, Secretary of State for Business, Energy and Industrial Strategy, relating to Pre-appointment hearings, be reported to the House for publication.

***5. Japanese knotweed and the built environment***

*Ordered*, That the following written evidence relating to Japanese knotweed and the built environment be reported to the House for publication:

Network Rail  
RICS  
Property Care Association

Draft Report (*Japanese knotweed and the built environment*), proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the Seventeenth Report of the Committee, HC1072.*

### **5. UK's telecommunications infrastructure**

*Resolved*, That the Committee inquire into the UK's telecommunications infrastructure.

*Ordered*, That a Member from each of the Defence Committee and Foreign Affairs Committee, be invited to attend oral evidence sessions as part of the UK's telecommunications infrastructure inquiry in accordance with Standing Order No. 137A.

[Adjourned till Wednesday 15 May at 9.00am

**Wednesday 15 May 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant	Stephen Metcalfe
Mr Sam Gyimah	Carol Monaghan
Darren Jones	Damien Moore

### **1. Digital Government**

*Ordered*, That the written evidence relating to Digital Government submitted by Cloud Kickers be reported to the House for publication.

### **2. Technologies for meeting Clean Growth emissions reduction targets**

*Ordered*, That the following written evidence relating to Technologies for meeting Clean Growth emissions reduction targets be reported to the House for publication:

Offshore Renewable Energy Catapult  
Mr Colin Megson

### **3. Commercial and recreational use of drones in the UK**

The Committee considered this matter.

### **4. Commercial genomics**

The Committee considered this matter.

[Adjourned till Tuesday 21 May at 9.00am

**Tuesday 21 May 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford

Stephen Metcalfe

Bill Grant

***1. Impact of social media and screen-use on young people's health***

Draft Special Report (*Impact of social media and screen-use on young people's health: Government Response to the Committee's Fourteenth Report of Session 2018-19*), proposed by the Chair, read the first and second time, and agreed to.

The Government Response to the Fourteenth Report of the Committee was appended to the Report.

*Resolved*, That the Report be the Twelfth Special Report of the Committee to the House.

*Ordered*, That the Chair make the Report to the House.

***2. Commercial and recreational use of drones in the UK***

*Ordered*, That the following written evidence relating to *Commercial and recreational use of drones in the UK* be reported to the House for publication:

West Lothian Archaeological Trust

Mr Victor Kirby

Mr Derek Evans

Mr Terry Rensch

David Parkes

Mr Wynne Davies

Mr Christopher Llewellyn

Mr Howard Lewis

Mr Adam Stout

Mr Andy Dubreuil

Stephen Ogborne

Mr John Hastie

Mr Bryan Chitty

Mr Christopher Murr

Mr Howell Morris

Drone User Magazine

Miss Natalie Woods

Mr Melvin Robson

Mr Jonathan Welford  
Mr Bernhart Dambacher  
Roger Williams  
John Tregunna  
Melvyn Bond  
Mr Steven Butt  
Mr Geoffrey Protheroe  
Mr David Laverick  
Mr Jonathan Ridgeway  
Mr Jacques Le Roux  
UK Computing Research Committee  
Dr David Rose  
DB Training Solutions Ltd  
Martin Hall  
University of Birmingham  
Ms Kelly Foxhall-Ridgeway  
Mr Mike Brown  
Dr Sean Goodhart  
Mr Carl Pendle  
Mr Pete Guy  
Mr Kevin Crofts  
Carl Simpson-Smith  
Mr Paul Harvey  
Mr Ian Conradi  
RAVEN DroneWorks  
Mal  
Mr Graham Perry  
Mr Michael Clarke  
Mr Arthur Charles  
Mr Mark Heffer  
Mr Gerald McGivern  
Tony Carter  
Mr Christopher Fox  
Mr Adrian Belcher  
Mr Roger Newark  
Tethered Drone Systems  
Dr Dale Richards  
Helicopters Ltd  
Mr Geoffrey Hirst  
River Mersey  
Mr Anthony Stein  
Mr David Carlisle  
Frank Aldous

Lea Freeman  
Mr Michael Brett  
Mr Simon Barkle  
Anthony Robson  
Mr John Armstrong  
Mr Graham Waters  
Mr John Irvine  
Julian Dean  
Cadent  
Airport Operators Association  
Mr Barry Cridland  
Mr Shaun Madill  
Liverpool John Moores University  
RS Bristowe  
British Model Flying Association  
National Physical Laboratory  
Mr Stephen Royall  
ADS Group  
Royal Aeronautical Society  
Maurice Greenland  
Babcock International  
University of Hertfordshire  
Air Visual Ltd  
Mr Andrew Kibbler  
Professor Jason Reifler, University of Exeter, Professor Thomas Scotto, University of  
Strathclyde, Dr Catarina Thomson, University of Exeter and Dr Judd Thornton  
Brian Galbraith  
Gorilla Drones  
Dylan Baldwin  
DJI  
Maritime Filming  
Dr Alan Mckenna  
Mr Stuart Thorniley  
Miss Joanne Cooper  
Mr Robert Brewer  
Mr Peter Hague  
Department for Transport  
Engineering Construction Industry Training Board (ECITB)  
Mr Mike Smale  
Security Institute  
Flight Safety Board  
3DAssurance Ltd  
Mr Anthony Byne

HAWQ Ltd  
Royal Academy of Engineering  
Mr Tim Wayne  
Mark O'Neill  
Mr Alex Larmour  
William Legge  
techUK  
Mr Anthony Parkinson-Johns  
BALPA  
Mr Martin Cocking  
Mr Fraser Steen  
NATS  
Surrey Search and Rescue  
Mr Lee Tookey  
Mr Luke Padfield  
Blue Dot UAV Imaging  
Civil Aviation Authority  
Mr Rod Hutchinson  
Blighter Surveillance Systems Ltd  
Malcolm Bailey  
Thales  
Unmanned Images  
Nick Giles  
Mr Geraint Edwards  
Arron Banfield  
Ian Bastin  
Granta Network Solutions  
Mr Barry Tree  
Paul Clarkson  
Flock  
Mr Tomasz Dzieciolowski  
Mr Dale Harper  
Mr Malcolm Hitch  
Mr Paul Tholen  
Mr Adrian Speight  
Mr Jonathan Thursby  
Mr John N Miller  
Mr Anthony Stephens  
Mr Ian Savage  
ShawPix  
Mr Neil Winnington  
Mark Wingad  
Mrs Rebecca Ford



Mr Craig Allsobrook  
Mekdem LTD  
Hummingbird SUA Ltd  
SkyHeld Cameras  
Caspar Harte  
Mr Ian Webster  
ARPAS-UK  
Gary Tan  
John Snape  
Robert Parker  
Kennedys  
Mr Michael Clarke

**3. Technologies for meeting Clean Growth emissions reduction targets: Heads of Report**

The Committee considered this matter.

**3. Commercial and recreational use of drones in the UK: Inquiry plan**

*Ordered*, That Dr Anna Jackman be appointed Specialist Adviser to assist the Committee in matters related to commercial and recreational use of drones in the UK. (*For details of declarations of interests, see Appendix.*)

**5. Digital Government**

The Committee considered this matter.

**6. Work of the Chief Medical Officer**

*Ordered*, That a Member of the Health and Social Care Committee, be invited to attend an oral evidence session as part of the work of the Chief Medical Officer inquiry in accordance with Standing Order No. 137A.

[Adjourned till Thursday 6 June at 9.00am

**Thursday 6 June 2019**

Members present:

Bill Grant	Damien Moore
Stephen Metcalfe	Graham Stringer
Carol Monaghan	

*Andrew Selous (Health and Social Care Committee) also attended the meeting pursuant to Standing Order No. 137A (e) and the decision of the Committee of 21 May 2019.*

*In the absence of the Chair, Stephen Metcalfe was called to the chair.*

**1. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to *Balance and effectiveness of research and innovation spending* be reported to the House for publication:

Rodney Basford

Chris Skidmore MP, Minister for Universities, Science, Research and Innovation, BEIS

**2. Commercial and recreational drone use in the UK**

*Ordered*, That the following written evidence relating to *Commercial and recreational use of drones in the UK* be reported to the House for publication:

Dr Stephen Wright

A drone user 1

A drone user 2

Mr David Arundell

*Ordered*, That Dr Anna Jackman be appointed a Specialist Adviser to assist the Committee in matters relating to commercial and recreational drone use in the UK. (*For details of declarations of interests, see Appendix.*)

**3. Technologies for meeting Clean Growth emissions reduction targets**

*Ordered*, That the following written evidence relating to *Technologies for meeting Clean Growth emission reduction targets* be reported to the House for publication:

Network and Utility Week

Michael Pilling

**4. Quantum Technologies**

*Ordered*, That correspondence with Chris Skidmore MP, Minister of State for Universities, Science, Research and Innovation, relating to *Quantum technologies*, be reported to the House for publication on the internet.

**5. Biometric Strategy and Forensic services**

*Ordered*, That correspondence with Baroness Williams, Minister of State for Countering Extremism, Home Office, relating to the *work of the biometrics commissioner and forensic science regulator*, be reported to the House for publication on the internet.

**6. Work of the Chief Medical Officer**

Professor Dame Sally Davies, Chief Medical Officer, gave oral evidence.

[Adjourned till Monday 10 June at 2.00pm

**Monday 10 June 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Damien Moore
Bill Grant	Carol Monaghan
Darren Jones	Graham Stringer
Stephen Metcalfe	Martin Whitfield

*Dr Julian Lewis MP (Defence Committee) and Tom Tugendhat (Foreign Affairs Committee) also attended the meeting pursuant to Standing Order 137A (e) and the decision of the Committee of 8 May 2019.*

### **1. UK telecommunications infrastructure**

Professor Rahim Tafazolli, University of Surrey, Professor Andrew Martin, University of Oxford and Professor Alf Zugenmaier, Munich University of Applied Sciences, gave oral evidence.

John Suffolk, Global Cyber Security and Privacy Officer, Huawei, gave oral evidence.

Arun Bansal, Senior Vice President and Head of Market Area Europe and Latin America, Ericsson and Steve Sampson, Head of Technology, Nokia UK & Ireland, gave oral evidence.

Alex Towers, Director of Policy and Public Affairs, BT Group, Brendan O'Reilly, Chief Technology Officer, O2, Patrick Binchy, Chief Technology Officer, Three and Scott Petty, Chief Technology Officer, Vodafone, gave oral evidence.

[Adjourned till Tuesday 11 June at 9.00am

**Tuesday 11 June 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Carol Monaghan
Bill Grant	Graham Stringer
Stephen Metcalfe	

### **1. Balance and effectiveness of research and innovation spending**

*Ordered*, That the written evidence relating to *Balance and effectiveness of research and innovation spending* submitted by Professor Graeme Reid, University College London be reported to the House for publication.

### **2. Commercial and recreational drone use in the UK**

*Ordered*, That the following written evidence relating to *Commercial and recreational use of drones in the UK* be reported to the House for publication:

Information Commissioner's Office  
Devon and Cornwall Police and Dorset Police

[Adjourned till this day at 9.45am]

**Tuesday 11 June 2019**

The Committee met concurrently with the Defence Committee.

Members present:

Vicky Ford	Carol Monaghan
Bill Grant	Graham Stringer
Norman Lamb	
Stephen Metcalfe	

*The following members of the Defence Committee were also present (Standing Order No. 137A):*

Martin Docherty-	Gavin Robinson
Hughes	John Spellar
Julian Lewis	

Norman Lamb was called to the Chair (Standing Order No. 137A (1)(d)).

***1. Commercial and recreational drone use in the UK***

Tim Johnson, Policy Director, Civil Aviation Authority, Richard Parker, Chief Executive Officer, Altitude Angel and Anne-Lise Scaillierez, Director, Association of Remotely Piloted Aircraft Systems UK, gave oral evidence.

Professor James P. Scanlan, University of Southampton, Brendan Schulman, Vice President of Policy and Legal Affairs, DJI and Sir Brian Burridge, Chief Executive Officer, Royal Aeronautical Society, gave oral evidence.

*The Chair's attention having been called to the fact that three Members of the Defence Committee were not present, he invited members of the Defence Committee still present to participate in the remainder of the meeting under the provisions of Standing Order No. 137A(1)(e).*

Professor James P. Scanlan, University of Southampton, Brendan Schulman, Vice President of Policy and Legal Affairs, DJI and Sir Brian Burridge, Chief Executive Officer, Royal Aeronautical Society, gave further oral evidence.

[Adjourned till Wednesday 26 June at 9.00am]

**Wednesday 26 June 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant

Carol Monaghan

Mr Sam Gyimah

Stephen Metcalfe

Darren Jones

Graham Stringer

**1. Forensic Science Regulator**

The Committee considered this matter.

**2. Balance and effectiveness of research and innovation spending**

*Ordered*, That the following written evidence relating to *Balance and effectiveness of research and innovation spending* be reported to the House for publication:

UK Research and Innovation  
Earlham Institute

**3. Commercial and recreational drone use in the UK**

*Ordered*, That the written evidence from Altitude Angel relating to *Commercial and recreational use of drones in the UK* be reported to the House for publication.

**4. Digital Government**

*Ordered*, That the written evidence from the Government Digital Service, Cabinet Office relating to *Digital Government* be reported to the House for publication.

**5. Technologies for meeting Clean Growth emissions reduction targets**

*Ordered*, That the following written evidence relating to *Technologies for meeting Clean Growth emissions reduction targets* be reported to the House for publication:

Department for Transport  
Department for Business, Energy and Industrial Strategy

*Ordered*, That the correspondence with Lord Deben, relating to *Technologies for meeting Clean Growth emissions reduction targets*, be reported to the House for publication on the internet.

**6. Work of the Chief Medical Officer**

*Ordered*, That the written evidence from Dame Sally Davies, Chief Medical Officer, in relation to the *Work of the Chief Medical Officer*, be reported to the House for publication.

**6. Powers of the Information Commissioner**

*Ordered*, That the correspondence with Margot James MP, Minister for Digital and the Creative Industries, relating to *powers of the Information Commissioner*, be reported for publication.

**7. 'My Science Inquiry'**

*Ordered*, That the correspondence with BEIS, relating to 'My Science Inquiry', be reported for publication.

### **8. The UK telecommunications infrastructure**

*Ordered*, That the correspondence from Professor Rahim Tafazolli, Head of the Institute for Communication Systems, University of Surrey, relating to *declaration of interests during the evidence session on Monday 10 June*, be reported for publication.

*Ordered*, That the following written evidence relating to the *UK telecommunications infrastructure* be reported to the House for publication:

Tessa Burrington  
Ewan Sutherland

### **9. Research Integrity**

*Ordered*, That the correspondence from Chris Skidmore MP, Minister of State for Universities, Science, Research and Innovation, relating to the Research Integrity Committee, be reported for publication.

### **10. University of Liverpool**

*Ordered*, That the Chair have leave to visit the University of Liverpool in a representative capacity for the purposes of the Committee's inquiry into the *Balance and effectiveness of Research and Innovation spending*.

### **11. Brahmal Vasudevan Multi Terrain Aerial Robotics Arena, Imperial College London**

*Resolved*, That the Committee visit Brahmal Vasudevan Multi Terrain Aerial Robotics Arena, Imperial College London, in connection with its inquiry into the *Commercial and recreational use of drones in the UK*.

### **12. Project Leo, Oxfordshire**

*Resolved*, That the Committee visit Project Leo, Oxfordshire for the purposes of the Committee's inquiry into *Technologies for meeting Clean Growth emissions reductions targets*.

### **13. Commercial and recreational drone use in the UK**

Darren Jones declared a non-pecuniary interest in relation to the Committee's inquiry into *Commercial and recreational drone use in the UK* in that he was Chair of the APPG on Connected Places.

Andy Sage, Head of Unmanned Traffic Management, NATS, Captain Tim Pottage, Chairman, Remotely Piloted Aircraft Systems Working Group, Sergeant Kevin Taylor, Chief Pilot, Lincolnshire Police Drone Unit, gave oral evidence.

Tris Dyson, Executive Director, Nesta Challenges, Elaine Whyte, Director, PwC, Julia Jiggins, Head of Civil Avionics Strategy, Thales, gave oral evidence.

[Adjourned till Wednesday 3 July at 9.30am  
*Thursday 27 June 2019*

*The Chair visited the University of Liverpool for the purposes of the Committee's inquiry into the Balance and effectiveness of Research and Innovation spending. in a representative capacity, in accordance with the Committee's decision of 26 June 2019.*

**Wednesday 3 July 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant

Graham Stringer

Damien Moore

Martin Whitfield

**1. Digital Government**

Draft Report (*Digital Government*), proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Eighteenth Report of the Committee HC 1455.*

**2. UK telecommunications infrastructure**

*Ordered*, That the following written evidence relating to the UK telecommunications infrastructure be reported to the House for publication:

Nokia

Huawei

Ofcom

**3. UK telecommunications infrastructure.**

The Committee considered this matter.

**4. Commercial and recreational drone use in the UK**

The Committee considered this matter.

[Adjourned till Tuesday 9 July at 9.00am

*Thursday 4 July 2019*

*The Chair, Bill Grant, Mr Sam Gyimah and Stephen Metcalfe visited Imperial College University, London, in connection with the Committee's inquiry into commercial and recreational drone use in the UK, in accordance with the Committee's decision of 26 June 2019.*

**Tuesday 9 July 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant  
Damien Moore

Stephen Metcalfe  
Graham Stringer

**1. Commercial genomics**

*Ordered*, That the following written evidence relating to Commercial genomics be reported to the House for publication:

Curtis Rogers  
Micropathology Ltd, University of Warwick  
Professor Timothy Frayling, Professor of Human Genetics, University of Exeter  
Everything Genetic Ltd  
MRC Human Genetics Unit, University of Edinburgh  
Cancer Genetics Group  
Association of Genetic Nurses and Counsellors  
Mr John Rainsbury  
International Society of Genetic Genealogy (ISOGG)  
Dr Felicity Boardman  
Clinical Leads of NHS Regional Genetics Services  
Dr Robert Watkins  
Miss Martha Gutteridge  
Dante Labs SRL  
The Royal Society  
Dr Ron Zimmern  
Academy of Medical Sciences  
The Royal College of Physicians and the Royal College of Pathologists  
PHG Foundation  
British Society for Histocompatibility & Immunogenetics  
Dr Andelka Phillips  
University of Oxford  
British Pharmacological Society  
Association of Medical Research Charities  
Atlas Biomed Group  
British Society for Genetic Medicine  
Dr Elizabeth Tunbridge  
Mrs Colette Lloyd  
Dr Peter MacCallum, Senior Lecturer and Honorary Consultant  
Haematologist, Barts Health NHS Trust, Royal London Hospital  
Don't Screen Us Out  
Prenetics International and DNAfit  
Royal College of Physicians of Edinburgh  
Shelford Group  
EMBL-European Bioinformatics Institute  
Wellcome Sanger Institute  
Wellcome Genome Campus Connecting Science  
Clinical Ethics and Law Southampton (CELS), University of Southampton



EthicsAndGenetics  
Susan Hedley  
Professor Melinda Mills  
The 'Mind the Risk' consortium  
Congenica Limited  
University of Strathclyde, Centre for Lifelong Learning, Genealogical Studies Postgraduate Programme  
Genomics plc  
Nuffield Council on Bioethics  
23andMe  
Macmillan Cancer Support  
Dr Lucy Frith  
Department of Health and Social Care and the Department for Business, Enterprise and Industrial Strategy  
CARE (Christian Action Research and Education)  
P4ML Ltd  
Ancestry.com (International)  
PEALS Research Centre  
Nkaarco Diagnostics Ltd  
Regional Genetics Laboratory  
UK Clinical Genetics Society  
Dr Elizabeth Ormondroyd  
Genetic Alliance UK  
Illumina  
Mr Darius Meadon  
Ms Kavita Frary  
The Association of the British Pharmaceutical Industry  
National Institute for Health and Care Excellence  
BioIndustry Association  
UK Research and Innovation  
Genomics England  
Biochemical Society

**2. UK telecommunications infrastructure.**

*Ordered,* That correspondence with Jeremy Wright MP, Secretary of State for Digital, Culture, Media and Sport, relating to the UK telecommunications infrastructure, be reported to the House for publication on the internet.

**3. Technologies for meeting Clean Growth emission reduction targets**

*Ordered,* That the Chair and Stephen Metcalfe have leave to visit Project Leo, Oxfordshire, in a representative capacity for the purposes of the Committee's inquiry into technologies for meeting Clean Growth emission reduction targets.

#### **4. Commercial and recreational drone use in the UK**

*Ordered*, That the written evidence relating to Commercial and recreational drone use in the UK submitted by NATS be reported to the House for publication.

Gemma Alcock, Founder, SkyBound Rescuer, Professor David Dunn, Professor in International Politics, University of Birmingham, David Phipps, Chief Executive, British Model Flying Association, gave oral evidence.

*The Chair's attention having been called to the fact that three Members were not present, he suspended the proceedings; and Stephen Metcalfe having come into the room, and three Members being present, the proceedings were resumed.*

Gemma Alcock, Founder, SkyBound Rescuer, Professor David Dunn, Professor in International Politics, University of Birmingham, David Phipps, Chief Executive, British Model Flying Association, gave further oral evidence

Baroness Vere of Norbiton, Parliamentary Under-Secretary of State for Transport, gave oral evidence.

[Adjourned till Wednesday 17 July at 9.00am

*Wednesday 10 July 2019*

*The Chair and Stephen Metcalfe visited Project Leo, Oxfordshire, in a representative capacity, in accordance with the Committee's decisions of 26 June and 9 July 2019.*

**Wednesday 17 July 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Carol Monaghan
Bill Grant	Stephen Metcalfe
Mr Sam Gyimah	Graham Stringer
Darren Jones	Martin Whitfield

#### **1. The Work of the Biometrics Commissioner and the Forensic Science Regulator**

Draft Report (*The Work of the Biometrics Commissioner and the Forensic Science Regulator*), proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Nineteenth Report of the Committee, HC 1970.*

**2. Clean Growth: Technologies for meeting the UK's emissions reduction targets**

The Committee considered this matter.

**3. Work of the Science Minister and the Government Chief Scientific Adviser**

Vicky Ford amended her declaration of interests of 17 October 2017:

Member of the board of Anglia Ruskin University from 5 July 2019 (un-remunerated).

Chris Skidmore MP, Minister of State for Universities, Science, Research and Innovation, Harriet Wallace, Director, International Research and Innovation, and Paul Drabwell, Deputy Director, Science, Research and Innovation, Department for Business, Energy and Industrial Strategy, gave oral evidence.

**4. Clean Growth: Technologies for meeting the UK's emissions reduction targets**

The Committee considered this matter.

[Adjourned till this day at 2.30pm]

**Wednesday 17 July 2019**

Members present:

Norman Lamb, in the Chair

Vicky Ford	Stephen Metcalfe
Bill Grant	Graham Stringer
Darren Jones	Martin Whitfield
Carol Monaghan	

**1. Clean Growth: Technologies for meeting the UK's emissions reduction targets**

Draft Report (*Clean Growth: Technologies for meeting the UK's emissions reduction targets*), proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Twentieth Report of the Committee, HC 1454.*

**3. Commercial and recreational drone use in the UK**

*Ordered*, That the following written evidence relating to Commercial and recreational drone use in the UK be reported to the House for publication:

Professor James P. Scanlan, University of Southampton  
Mr Jeremy Wilkins

#### **4. Commercial genomics: inquiry plan**

The Committee considered this matter.

[Adjourned till Wednesday 4 September at 9.00am

**Monday 9 September 2019**

Members present:

Norman Lamb, in the Chair

Bill Grant

Stephen Metcalfe

Darren Jones

Graham Stringer

#### **1. Balance and effectiveness of research and innovation spending**

Draft Report (*Balance and effectiveness of research and innovation spending*), proposed by the Chair, brought up and read.

*The draft Report was agreed to; the Formal Minutes relating to the consideration of the Report are published with the Twenty-First Report of the Committee, HC 1453.*

#### **2. Commercial and recreational drone use in the UK**

*Ordered*, That the written evidence relating to Commercial and recreational drone use in the UK submitted by the British Model Flying Association be reported to the House for publication.

#### **3. Clinical trials transparency**

*Ordered*, That correspondence to the Health Research Authority relating to clinical trials transparency, be reported to the House for publication.

#### **4. Flu Vaccination programme**

*Ordered*, That correspondence to Secretary of State for Health and Social Care relating to flu vaccine in the event of a no-deal, be reported to the House for publication.

#### **5. Impact of science funding policy on equality, diversity, inclusion and accessibility**

*Ordered*, That correspondence to the Chief Executive of UKRI relating to impact of science funding policy on equality, diversity, inclusion and accessibility, be reported to the House for publication.

#### **6. Impact of social media and screen-use on young people's health**

*Ordered*, That correspondence to the Department for Digital Culture Media and Sport, relating to follow-up to the Committee's Impact of social media and screen-use Report, be reported to the House for publication.

**7. Japanese knotweed in the built environment**

*Ordered*, That correspondence to Secretary of State for Environment, Food and Rural Affairs relating to follow-up to the Committee's Japanese knotweed and the built environment Report, be reported to the House for publication.

*Ordered*, That correspondence to Advanced Invasives, relating to follow-up to the Committee's Japanese knotweed and the built environment Report, be reported to the House for publication.

*Ordered*, That correspondence to Charles Lyndon Solicitors, relating to follow-up to the Committee's Japanese knotweed and the built environment Report, be reported to the House for publication.

*Ordered*, That correspondence to Property Care Association, relating to follow-up to the Committee's Japanese knotweed and the built environment Report, be reported to the House for publication.

*Ordered*, That correspondence to the Law Society, relating to follow-up to the Committee's Japanese knotweed and the built environment Report, be reported to the House for publication.

**8. Replacing income from EU Structural and Investment funds**

*Ordered*, That correspondence with the Ministry of Housing, Communities and Local Government relating to replacing income from EU Structural and Investment funds, be reported to the House for publication.

**9. Technologies for meeting Clean Growth emissions reduction targets**

*Ordered*, That correspondence to the Secretary of State for Transport relating to electric vehicle batteries, be reported to the House for publication.

**10. UK telecommunications infrastructure**

*Ordered*, That correspondence with the Department for Digital Culture Media and Sport, relating to the Telecoms Supply Chain Review, be reported to the House for publication.

**11. Work of the Science Minister**

*Ordered*, That correspondence to Secretary of State for Business, Energy and Industrial Strategy relating to follow-up from July 2019 Science Minister session, be reported to the House for publication.

[Adjourned to a day and time to be fixed by the Chair.]

## Appendix

### DECLARATION OF INTERESTS

*12 September 2017*

#### **Norman Lamb MP**

Employment and earnings: Chair of West Midlands Mental Health Commission, Dudley Metropolitan Borough Council; and Associated Newspapers Ltd, London, in August 2016.

Support (payments) received by party: Alistair Barr; Mark Petterson; Dinesh Dhamijah; David Bouchier; and More United Ltd, London.

Other support (payments) received: IDTD Services Ltd, Norwich and South Walsham, Norfolk; Ian Wright; Terry Cann; Ardeshir Nagshineh; Josph Zammit-Lucia; Lord Matthew Oakeshott; and Clare Barnett-Nagshineh.

Land and property: A lessee, associated with Steele and Co, of commercial leasehold property in Norwich and two flats in London.

Solicitor (non-practising); Policy Advisory Board Member, Money and Mental Health Policy Institute, King's Policy Institute (unremunerated post); Parliamentary Champion for Headway (unremunerated post); Ambassador for Young Minds (unremunerated post); and Trustee of Think Ahead (unremunerated post); patron of ADHD Norfolk (unremunerated post), a local ADD/ADHD charity.

Chair of Valproate and Other Epileptic Drugs in Pregnancy APPG, member of Penal Affairs APPG, and member of Fair Business Banking APPG.

Before the 2017 Election: chair of APPGs for Anti-Epileptic Drugs in Pregnancy, Clinical Leadership and Management, Global Health, Penal Affairs, Rule of Law, Rural Health and Social Care, and UK and Europe; and secretary of Conception to Age Two: First 1001 Days APPG.

Family members: Son, Edward Lamb, is Account Director at GK Strategy.

#### **Bill Grant MP**

Support (payments) received by party: Susan Fraser.

Land and property: Residential property in South Ayrshire co-owned with wife and inhabited by family members.

#### **Darren Jones MP**

Member, Unite the Union; Chair, Future Labour (unremunerated voluntary group of Labour Party members); Board Member, UK Legal Futures (unremunerated voluntary group of lawyers providing pro bono advice and thought leadership on legal challenges of Brexit).

Employment and earnings: Before 2017 general Election, as a lawyer at British Telecommunications plc. Currently as a legal consultant with Kemp Little LLP (through the Office of Darren Jones Ltd).

Shareholdings: Office of Darren Jones Ltd, legal consultancy.

Vice-Chair, Consumer Protection APPG; Officer, Corporate Governance APPG; Officer, Parliamentary ICT Forum APPG; Member of Artificial Intelligence, Smart Cities, Rule of Law, China, Entrepreneurship and EU Relations APPGs.

Family members: Wife, Lucy Symons, a lobbyist for the Energy Tech Unit and an Innovation Consultant at British Telecommunications plc.

### **Stephen Metcalfe MP**

Chairman of the Parliamentary & Scientific Committee.

Chair of the All-Party Parliamentary Group on Artificial Intelligence.

Support (payments) received by party: Quinn Estates, Canterbury; John N Lyon; Robert J Lyon; and Anderson Construction Ltd, Chelmsford.

Visits outside the UK: Fact-finding political delegation to Jerusalem and the West Bank, January 2017: some costs met by Britain-Palestine Communications Centre, London, the President's Office, Ramallah, Palestine, and Travel2Palestine Ltd, Kingston.

Land and property: One-third share in holiday home in Languedoc; and until August 2016 one-third share in holiday home Northern Cyprus.

Shareholdings: Aysgarth Properties Ltd; and until October 2016 Metloc Printers Ltd.

### **Neil O'Brien MP**

Support (payments) received by party: Sir Edward Garnier; and Sukhdev S Bansal.

### **Graham Stringer MP**

Visits outside the UK: Participation in a study trip to Switzerland (Swiss-EU relations, Swiss financial centre, Science and Innovation, International Geneva), April 2017: some costs met by Swiss Foreign Ministry.

Miscellaneous: Unremunerated trustee of the Global Warming Policy Foundation, an education charity.

Family members: Step-daughter, Eleanor Carr, employed as Parliamentary Assistant.

### **Martin Whitfield MP**

Employment and earnings: Before the 2017 Election, as a teacher, for East Lothian Council.

Support (payments) received by party: George Thomson; and Lord Matthew Oakeshott.

Gifts, benefits and hospitality: Musselburgh Racecourse, East Lothian: badge for the racecourse, June 2017.

Miscellaneous: Council Member of General Teaching Council of Scotland; Trustee of Burke-Veitch Scholarship; Trustee Treasurer of Friends of Cuthill Park; and Trustee of Garden Elf.

### **10 October 2017**

#### **Clive Lewis MP**

Employment and earnings: Bragg Central Limited, Bridport (Glastonbury tickets); That Lot Creatives, London.

Support (payments) received by party: Communication Workers Union, Wimbledon; Unison, London.

Other support (payments) received: Mark Daniel; Mark Daniel; TSSA Union, London; Richard Hewison; GMB London Region, trade union; CWU, trade union; RMT trade union; More

United, London; Movement Network (Stop a Tory Landslide), London; and National Union of Journalists, London (chair of NUJ Parliamentary Group since July 2017).

***17 October 2017***

**Vicky Ford MP**

Chair of APPGs for ICT (Pictfor) and for Rare diseases.

Deputy-chair, Conservative Science and Technology Forum.

Husband a consultant oncologist and department head at Addenbrookes Hospital, Cambridge.

Employment and earnings: Before 2017 general Election, as a Member of the European Parliament.

Land and property: House in Cambridgeshire, jointly owned with my husband.

Unpaid member of the Brexit Advisory Panel for the EEF (manufacturer's organisation).

**Stephanie Peacock MP**

Employment and earnings: Before the 2017 Election, as a political officer of GMB, London; and until August 2017, use of a company car from GMB, London.

Support (payments) received by party: GMB, London.

***12 December 2017***

**Carol Monaghan MP**

Chair of Photonics APPG, vice-chair of Artificial Intelligence APPG, vice-chair on Surgical Mesh Implants APPG, co-chair of M.E. APPG, Secretary of the APPG on Romania, officer of Parliamentary Internet, Communications and Technology Forum (Pictfor) APPG, and member of Gibraltar APPG. Officer of Ireland and Irish in Britain. Secretary of Parliamentary and Scientific Committee.

Visit to Gibraltar in September 2017, as member of the Gibraltar APPG, with costs met by Government of Gibraltar.

Physics teacher, Renfrewshire Council, until April 2015.

***30 January 2018***

**Damien Moore MP**

Employment and earnings: Councillor, Preston City Council; Trading Manager for Asda, Wigan Supercentre, before election in 2017.

Visits outside the UK: visit to Taiwan; flights, internal travel, accommodation and hospitality paid by Ministry of Foreign Affairs of Republic of China (Taiwan), September 2017, as part of a Taiwan APPG delegation.

Member of Taiwan APPG.

***24 April 2018***

**Liz Kendall MP**

Employment and earnings: BBC, London, for television appearances.



Member of the GMB trade union and of the Co-operative Party.

**15 May 2018**

**Special Adviser: declaration of interests**

**Dr Caroline White**

Accredited trainer in Incredible Years Parent Programmes; Director of a Limited company called the Evidence Based Psychology Hub Ltd.

**5 September 2018**

**Specialist Adviser: declaration of interests**

**Professor Peter Dobson**

Advisor to a US company, Bikanta, founded by a former student of Professor Dobson's, that uses quantum imaging to detect disease conditions with NV centres in nanodiamond. Currently, this company has suspended trading.

**13 November 2018**

**Specialist Adviser: declaration of interests**

**Dr Kieron Flanagan**

Senior Lecturer in Science and Technology Policy, Manchester Institute of Innovation Research, University of Manchester: an employee of the University of Manchester and an elected member of that university's Senate; not a member or employee of any research council or funding body committee; and not a director of any company, though was formerly a director of a not-for-profit company (more than ten years ago).

**Specialist Adviser: declaration of interests**

**Dr Jerry Fishenden**

Former consultancy role with the Department for Digital, Culture, Media and Sport.

**22 January 2019**

**Specialist Adviser: declaration of interests**

**Jonathan Radcliffe**

Employed by University of Birmingham, and currently receive public research funding from UKRI and UK government departments. In the past I have received funding from industry, but nothing ongoing. I don't have any direct investments/shares in, nor relatives associated to, any companies relevant to the inquiry.

**29 January 2019**

**Mr Sam Gyimah MP**

Land and property portfolio: house in Surrey, co-owned with my wife