Wednesday 14 July 2010

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Gregg McClymont
Stephen Metcalfe
David Morris
Stephen Mosley

Pamela Nash
Jonathan Reynolds
Alok Sharma
Graham Stringer
Roger Williams

1. Membership and staffing

The Committee considered this matter.

2. Declaration of Interests

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

3. Committee working methods

The Committee considered this matter.

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 otherwise orders.

Resolved, That the Committee approves the use of electronic equipment by Members during public and private meetings, provided that they are used in accordance with the rules and customs of the House.

Ordered, That uncorrected transcripts of oral evidence given to the Committee be published on the internet.

Resolved, That the Committee shall not consider individual cases.

4. Programme of work

The Committee considered this matter.
Resolved, That the Committee hold a one-off evidence session with Rt Hon David Willetts MP, Minister for Universities and Science, Department for Business, Innovation and Skills, on setting the scene.

Ordered, That the following Memorandum relating to The disclosure of climate data from the Climatic Research Unit at the University of East Anglia be reported to the House for publication on the internet: Letter from Sir Muir Russell.

5. Government responses to reports of the former Science and Technology Committee

The Committee considered this matter.

6. POST Board

The Committee considered this matter.

Resolved, That Andrew Miller be the Committee’s nomination to the POST Board.

7. Committee seminar and visits

The Committee considered this matter.

Resolved, That the Committee visit National Physical Laboratory at Teddington and the British Antarctic Survey at Cambridge.

[Adjourned till Thursday 22 July at 10.00am.

Appendix

DECLARATIONS OF MEMBERS’ INTERESTS

14 July 2010: declaration of Members’ interests

Andrew Miller
Overseas visits: Egypt to attend the Internet Governance Forum in November 2009 on behalf of Nominet.

Gavin Barwell
Sponsorships: Croydon Council Conservative Group; Christopher Cleanthi; Matthew Taylor; Badsha Quadir; Geoffrey Dove; The Terrace Club; Sunil Tandon.

Gregg McClymont
Nil.
Stephen Metcalfe  
Remunerated directorships: Metloc Printers Ltd.  
Overseas visits: Israel in October 2007 for the Conservative Friends of Israel  
Land and property: One-fifth owner of a holiday home in Languedoc, France and one-third owner of a holiday home in Northern Cyprus.  
Shareholdings: Aysgarth Properties Ltd. and Metloc Printers Ltd.  
Sponsorships: Austen Reid; United and Cecil Club; Metloc Printers Ltd.

David Morris  
Land and property: Commercial property in Manchester.

Stephen Mosley  
Shareholding: Weblong Limited  
Sponsorships: Chester and County Unionist Buildings; Mrs J Peacock; Mr A Rafferty; Mrs E Smith; Mr C Smith.

Pamela Nash  
Nil.

Jonathan Reynolds  
Nil.

Alok Sharma  
Land and property: Residential flat in London  
Sponsorships: Caledonia Investments plc; Halifax College UK Ltd.; Mr A E Oppenheimer; Moonpal Grewal

Roger Williams  
Remunerated employment, office, profession etc: Partner in R H Williams, a farming partnership  
Unremunerated employment: Country Land and Business Association  
Land and property: Farmland in Tredomen, Brecon and three houses in Tredomen and one in Exmouth, Devon, from which rental income is received.
Thursday 22 July 2010

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Gregg McClymont
Stephen Mosley
Alok Sharma
Graham Stringer
Roger Williams

1. Programme of work
The Committee considered this matter.

2. The Spending Review
The Committee considered this matter.

3. The Government’s response to the former Committee’s Legacy Report
Draft Special Report (The Legacy Report: Government Response to the Committee’s Ninth Report of Session 2009–10), 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 Science and Technology Committee 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. Setting the scene
Rt Hon David Willetts MP, Minister for Universities and Science, and Professor Adrian Smith, Director General, Science and Research, Department of Business, Innovation and Skills, gave oral evidence.

[Adjourned till Tuesday 27 July at 2.00pm.]
Tuesday 27 July 2010

Members present:
Andrew Miller, in the Chair

Gavin Barlow
Gregg McClymont
Stephen Metcalfe
David Morris
Pamela Nash
Jonathan Reynolds
Alok Sharma
Graham Stringer
Roger Williams

1. Setting the scene

The Committee considered this matter.

Lord Rees of Ludlow, OM FRS, President of the Royal Society, gave oral evidence.

2. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into scientific advice and evidence to Government in emergencies.

Resolved, That the Committee inquire into the UK Space Agency.


Resolved, That the Committee take oral evidence from Sir Muir Russell, Head of the Independent Climate Change E-mails Review, and Lord Oxburgh, Chair, Scientific Appraisal Panel, on the reviews they conducted following the disclosure of e-mails from the Climatic Research Unit at the University of East Anglia.

3. The Spending Review

The Committee considered this matter.

Ordered, That the following document relating to The Comprehensive Spending Review be reported to the House for publication on the internet: Committee’s contribution to the consultation on the Comprehensive Spending Review.
4. Evidence Check 2: Homeopathy

The Committee considered this matter.

[Adjourned till Wednesday 8 September at 9.00am.]
Members present:

Andrew Miller, in the Chair

Gregg McClymont
Stephen Metcalfe
Stephen Mosley
Pamela Nash

Alok Sharma
Graham Stringer
Roger Williams

1. The Government Response [Cm 7927] to the former Committee’s Report on the Impact of Spending Cuts on Science and Scientific Research

The Committee considered this matter.

2. Department for Business, Innovation and Skills Main Estimate 2010-11

The Committee considered this matter.

3. UK Centre for Medical Research and Innovation Six-monthly progress reports

The Committee considered this matter.

Ordered, That the following Memoranda relating to UK Centre for Medical Research and Innovation be reported to the House for publication on the internet: Six-monthly progress reports: January 2010 and August 2010.

4. The forthcoming Government Response to the former Committee’s Report on the disclosure of climate data from the Climatic Research Unit at the University of East Anglia

The Committee considered this matter.

5. Programme of work

The Committee considered this matter.

6. The UK Space Agency

The Committee considered this matter.

Dr David Williams, Acting Chief Executive, UK Space Agency, Andy Green, Chief Executive, Logica and Co-Chair, Space Leadership Council, and Richard Peckham, UK Business Development Director, Astrium Limited and Chairman, UKSpace gave oral evidence.
Ordered, That the following Memoranda relating to The UK Space Agency be reported to the House for publication on the internet: Department for Business, Innovation and Skills; Andy Green; UKSpace; Intellect and A|D|S; European Space Agency; Institution of Engineering & Technology; Natural Environment Research Council; Royal Aeronautical Society; Professor Colin Pillinger; British Interplanetary Society; Reaction Engines Limited; UK Space Action Network; Met Office; Association of Specialist Technical Organisations in Space; Science and Technology Facilities Council; QinetiQ; Dave Wright; RAL Space Department; Andrew Weston; BT; University of Leicester; Technology Strategy Board; Surrey Satellite Technology Ltd; National Centre for Earth Observation; Small Satellites Group; Project Management Institute; Royal Astronomical Society; and Royal Academy of Engineering [UKSA 00-26].

7. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Lord Oxburgh KBE FRS, Head of Scientific Assessment Panel gave oral evidence.

Ordered, That the following Memoranda relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: University of East Anglia; David Holland; Douglas J. Keenan; and the Department of Energy and Climate Change [UEA Reviews 00-03].

[Adjourned till Thursday 9 September at 8.50am.]
Thursday 9 September 2010

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen Metcalfe
Stephen Mosley
Pamela Nash

Alok Sharma
Graham Stringer
Roger Williams

1. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Resolved, That the Committee take oral evidence from Professor Edward Acton, Vice-Chancellor, University of East Anglia.

2. The UK Space Agency

The Committee considered this matter.

3. Science Policy seminar

The Committee considered this matter.

[Adjourned till Wednesday 13 October at 9.00am.]
Wednesday 13 October 2010

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe
David Morris

Stephen Mosley
Graham Stringer

1. Scientific advice and evidence in emergencies

The Committee considered this matter.

Ordered, That Mike Granatt, Dr Sandra Mounier-Jack and Dr Richard Clayton be appointed Specialist Advisers to assist the Committee in matters related to *Scientific advice and evidence in emergencies*. (For details of declarations of interests, see Appendix.)

Ordered, That the following Memoranda relating to *Scientific advice and evidence in emergencies* be reported to the House for publication on the internet: Government Office for Science and the Cabinet Office; Ian M Jones; Food and Drink Federation; National Physical Laboratory; Royal Astronomical Society; Professor Clive Dyer; Dr Christopher Verity; WHO Collaborating Centre; Royal Society of Chemistry; NATS; Royal Aeronautical Society; Prospect; Geoffrey H Sherrington; Manetosphere, Ionosphere and Solar-Terrestrial (MIST); British Geophysical Association; Institution of Mechanical Engineers; Royal College of General Practitioners; UCL Institute for Risk & Disaster Reduction; SolarMetrics Limited; Professor W P Aspinall; Royal College of Paediatrics and Child Health; British Antarctic Survey; Research Councils UK; Professor Peter Sommer; Manchester Airports Group; Science Media Centre; Foundation for Information Policy Research; Campaign for Science and Engineering (CaSE); Health Protection Agency; The Geological Society; Royal Statistical Society; National Centre for Atmospheric Science; British Medical Association; The Royal Academy of Engineering; Met Office; The Wellcome Trust; Rolls-Royce Plc; British Airways Plc; BALPA; and Airport Operators Association [SAGE 00-39].

2. The UK Space Agency

Ordered, That the following Memorandum relating to *The UK Space Agency* be reported to the House for publication on the internet: Professor Phil Allport [UKSA 27].

3. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Resolved, That the Committee take oral evidence from Professor Edward Acton, Vice-Chancellor and Professor Trevor Davies, Pro Vice Chancellor for Research, University of East Anglia, on the *Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia*. 
Ordered, That the following Memoranda relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: Lord Oxburgh; Bob Critcholow; and Mr & Mrs Black [UEA Reviews 04-06].

[Adjourned till Wednesday 20 October at 9.00am.

Appendix

DECLARATIONS OF INTERESTS

Dr Richard Clayton (Specialist Adviser)
- Jointly employed by the University of Cambridge and the National Physical Laboratory as a ‘post-doc’ researching Internet Security Mechanisms
- Treasurer of the Foundation of Information Policy Research

Mike Granatt (Specialist Adviser)
- Consultant to the Chief executive of Community Resilience
- Advisory Board Member of the Science Media Centre
- Adviser to Media Consulta
- Provider of on-site support and advice to the European Centre for Disease Prevention and Control
- Led Luther Pendragon’s support for the Independent Climate Change E-mail Review

Dr Sandra Mounier-Jack (Specialist Adviser)
Nil.
Wednesday 20 October 2010

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen Metcalfe
Stephen Mosley
Pamela Nash
Alok Sharma
Graham Stringer
Roger Williams

1. The Government Response [Cm 7936] to the former Committee’s Report on the Regulation of Geoengineering

The Committee considered this matter.

2. The Government Response [Cm 7934] to the former Committee’s Report on the disclosure of climate data from the Climatic Research Unit at the University of East Anglia

The Committee considered this matter.

3. Seminar with academics on relationship between science funding and economic benefit

The Committee considered this matter.

4. Informal meeting held on 12 October with the House of Lords Science and Technology Committee

The Committee considered this matter.

5. Visit on 19 October to the National Physical Laboratory, Teddington

The Committee considered this matter.

6. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into Technology Innovation Centres.

7. Scientific advice and evidence in emergencies

The Committee considered this matter.
Ordered, That the following written evidence relating to Scientific advice and evidence in emergencies be reported to the House for publication on the internet: Met Office supplementary and Symantec [SAGE 34a and 40].

Professor Sheila Bird, Vice President, Royal Statistical Society, Professor Neil Ferguson OBE, Director, MRC Centre for Outbreak Analysis and Modelling, Justin McCracken, Chief Executive, Health Protection Agency, and Dr Peter Holden, British Medical Association; Professor Sir Gordon Duff, Chair of the Scientific Pandemic Influenza Advisory Committee, Sir Liam Donaldson, Former Chief Medical Officer, and Professor David Harper CBE, Chief Scientist, Department of Health gave oral evidence.

[Adjourned till Monday 25 October at 4.00pm.]
Monday 25 October 2010

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen Metcalfe
Stephen Mosley

1. Seminar on relationship between science funding and economic benefit

The Committee considered this matter.

[Adjourned till Wednesday 27 October at 9.00am.]
Wednesday 27 October 2010

Members present:
Andrew Miller, in the Chair
Stephen Metcalfe
Stephen Mosley
Pamela Nash
Graham Stringer
Roger Williams

1. BBC Trust’s report on science broadcasting
The Committee considered this matter.

2. Seminar with academics on the relationship between science funding and economic benefit
The Committee considered this matter.

3. Programme of work
The Committee considered this matter.

4. Visit to Germany
The Committee considered this matter.

5. Scientific advice and evidence in emergencies
The Committee considered this matter.

Ordered, That the following written evidence relating to Scientific advice and evidence in emergencies be reported to the House for publication on the internet: Royal Statistical Society supplementary [SAGE 30a].

6. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia
The Committee considered this matter.

Ordered, That the following written evidence relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: David Holland supplementary and the Information Commissioner [UEA Reviews 01a and 08].
Sir Muir Russell, Head of the Independent Climate Change E-mails Review, Professor Edward Acton, Vice-Chancellor, and Professor Trevor Davies, Pro Vice Chancellor for Research, University of East Anglia gave oral evidence.


The Committee considered this matter.

Professor Sir John Beddington, Government Chief Scientific Adviser and Head, Government Office for Science gave oral evidence.

[Adjourned till Wednesday 3 November at 9.00am.]
Wednesday 3 November 2010

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Stephen Mosley
Gregg McClymont  Pamela Nash
Stephen Metcalfe  Graham Stringer
David Morris  Roger Williams

1. Consideration of the evidence sessions held on 20 and 27 October

The Committee considered this matter.

2. The Immigration Cap

The Committee considered this matter.

3. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into rare earth elements.

Resolved, That the Committee visit the Research Councils in Swindon.

4. Scientific advice and evidence in emergencies

The Committee considered this matter.

Ordered, That the following written evidence relating to Scientific advice and evidence in emergencies be reported to the House for publication on the internet: Health Protection Agency supplementary [SAGE 28a].

Ray Elgy, Head of Licensing & Training Standards, Civil Aviation Authority, Dr Guy Gratton, Royal Aeronautical Society, Dr Sue Loughlin, Head of Volcanology, British Geological Survey, and Captain Tim Steeds, Director of Safety & Security, British Airways; Professor Brian Collins, Chief Scientific Adviser, Department for Transport, Dr Miles Parker, Deputy Chief Scientific Adviser, Department for Environment, Food and Rural Affairs, and Professor Julia Slingo, Chief Scientific Advisor, Met Office gave oral evidence.

[Adjourned till Wednesday 10 November at 9.00am.]
Wednesday 10 November 2010

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Gregg McClymont
Stephen Metcalfe
David Morris
Stephen Mosley
Pamela Nash
Alok Sharma
Graham Stringer
Roger Williams

1. The Immigration Cap

The Committee considered this matter.

2. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into strategically important metals.¹

3. Any other business

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter from Lord Chancellor, 1 November 2010, regarding the archaeological investigation of human remains.

4. Scientific advice and evidence in emergencies

The Committee considered this matter.

Professor Paul Cannon FREng, Royal Academy of Engineering, Professor Mike Hapgood, Royal Astronomical Society, and Chris Train, Network Operations Director, National Grid; Professor Brian Collins, Chief Scientific Adviser, Department for Business, Innovation and Skills, Phil Evans, Director of Government Business, Met Office, Paul Hollinshead, Director of Science and Innovation Group, and Phil Lawton, Downstream Gas and Electricity Resilience Manager, Department of Energy and Climate Change, gave oral evidence.

[Adjourned till Wednesday 17 November at 9.00am.

¹ Committee formally agreed on Wednesday 3 November to inquire into 'rare earth elements'. This inquiry has been widened and renamed.
Wednesday 17 November 2010

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Pamela Nash
Stephen Metcalfe  Graham Stringer
Stephen Mosley  Roger Williams

1. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into the UK Centre for Medical Research and Innovation.

2. Scientific advice and evidence in emergencies

The Committee considered this matter.

Ordered, That the following written evidence relating to Scientific advice and evidence in emergencies be reported to the House for publication on the internet: British Medical Association supplementary [SAGE 32a].

Professor Ross Anderson, Professor of Security Engineering, University of Cambridge, Robert Hayes, Senior Fellow, The Microsoft Institute for Advanced Technology in Governments, Malcolm Hutty, Head of Public Affairs, London Internet Exchange (LINX), and Professor Peter Sommer, Visiting Professor, London School of Economics; Dr Steve Marsh, Deputy Director, Office of Cyber Security and Information Assurance, Cabinet Office, Professor Bernard Silverman, Chief Scientific Adviser, Home Office, and Professor Mark Welland, Chief Scientific Adviser, Ministry of Defence, gave oral evidence.

[Adjourned till Wednesday 24 November at 9.00am.]
Wednesday 24 November 2010

Members present:
Andrew Miller, in the Chair

Gavin Barwell
Gregg McClymont
Stephen Metcalfe
David Morris
Stephen Mosley
Pamela Nash
Graham Stringer
Roger Williams

1. Programme of work

The Committee considered this matter.

2. Scientific advice and evidence in emergencies

The Committee considered this matter.

Ordered, That the following written evidence relating to Scientific advice and evidence in emergencies be reported to the House for publication on the internet: Government Office for Science and the Cabinet Office supplementary [SAGE 00a].

3. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Ordered, That the following written evidence relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: University of East Anglia supplementary [UEA Reviews 00a].

4. Spending Review 2010

The Committee considered this matter.

Resolved, That the Committee visit CERN in Geneva, Switzerland, in connection to its inquiry into Spending Review 2010.

Rt Hon David Willetts MP, Minister of State for Universities and Science, and Professor Adrian Smith, Director General, Science and Research, Department of Business, Innovation and Skills, gave oral evidence.
5. The Government’s review of the Haldane principle

The Committee considered this matter.

6. Review of impartiality and accuracy of the BBC’s coverage of science

The Committee considered this matter.

[Adjourned till Wednesday 1 December at 9.00am.]
Wednesday 1 December 2010

Members present:

Andrew Miller, in the Chair
Stephen Metcalfe  Graham Stringer
Stephen Mosley  Roger Williams
Pamela Nash

1. Programme of work

The Committee considered this matter.

2. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Ordered, That the following written evidence relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: Andrew Montford [UEA Reviews 09].

3. Any other business

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter to the Rt Hon David Willetts MP, Minister of State for Universities and Science, regarding the Haldane Principle.

4. Scientific advice and evidence in emergencies

The Committee considered this matter.

Ordered, That the following written evidence relating to Scientific advice and evidence in emergencies be reported to the House for publication on the internet: Government Office for Science and the Cabinet Office further supplementary, Royal Astronomical Society supplementary, Professor Clive Dyer supplementary, Royal Academy of Engineering supplementary, Professor Ross Anderson, Civil Aviation Authority, Local Government Association, Sir Liam Donaldson, and Lloyd’s [SAGE 00b, 04a, 05a, 33a, 41-45].

Professor Sir John Beddington, Government Chief Scientific Adviser; Lord Adonis, former Secretary of State for Transport, and Rt Hon Andy Burnham MP, former Secretary of State for Health; Rt Hon Baroness Neville-Jones, Minister of State for Security, and Rt Hon David Willetts MP, Minister of State for Universities and Science, gave oral evidence.

[Adjourned till Wednesday 15 December at 9.00am.]
Wednesday 15 December 2010

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Gregg McClymont
Stephen Metcalfe
David Morris
Stephen Mosley
Graham Stringer
Roger Williams

1. Spending Review 2010

The Committee considered this matter.

2. UK Centre for Medical Research and Innovation

The Committee considered this matter.

3. Advisory Council on the Misuse of Drugs (ACMD)

The Committee considered this matter.

4. Department for Business, Innovation and Skills Winter Supplementary Estimates 2010-11

The Committee considered this matter.

5. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Ordered, That the following written evidence relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: David Holland supplementary and Douglas J. Keenan supplementary [UEA Reviews 01b and 02a].

6. Scientific advice and evidence in emergencies

The Committee considered this matter.

Ordered, That the following written evidence relating to Scientific advice and evidence in emergencies be reported to the House for publication on the internet: MRC Centre for Outbreak Analysis and Modelling, Imperial College London [SAGE 46].
7. Any other business

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter from Damian Green MP, Minister for Immigration, 2 December 2010, regarding immigration cap; Letter from Chris Huhne MP, Secretary of State for Energy and Climate Change, 3 December 2010, regarding the regulation of geoengineering; and Letter from Vince Cable MP, Secretary of State for Business, Innovation and Skills, 3 December 2010, regarding DG Knowledge and Innovation.

8. Technology Innovation Centres

The Committee considered this matter.

Ordered, That the following written evidence relating to Technology Innovation Centres be reported to the House for publication on the internet: Department for Business, Innovation and Skills; Loughborough University; Edinburgh Instruments Ltd; University of Bath; Birmingham City University; University of Leeds; Durham University; Scottish Agricultural College; Professor Marc Desmulliez; Manchester Business School, University of Manchester; Manufacturing Technology Centre; National Physical Laboratory; Association of Independent Research and Technology Organisations; National Nuclear Laboratory and Dalton Nuclear Institute, University of Manchester; National Renewable Energy Centre; Professor Lord Bhattacharyya; UK Business Incubation; DREM Ventures Ltd, Optopreneurs Ltd, Pinacl Solutions UK Ltd and Grounded Innovation Ltd; Professor Peter J Dobson; Judge Business School, University of Cambridge; Smith Institute for Industrial Mathematics and System Engineering; University College London; Kingston University; University of Lancaster; University of Liverpool; University of Strathclyde; University of Warwick; Professor Andy Hopper; Centre for Process Innovation Ltd; Research Councils UK; UK Computing Research Committee; Professor L Gladden, University of Cambridge and Professor D Begg, Imperial College London; University of Edinburgh; Brunel University; CBI; Advanced Manufacturing Research Centre, University of Sheffield; University of the Arts London; Universities Scotland; University Alliance; University of Sheffield; HDR Architecture; Imperial College London; University of Bristol; PraxisUnico; N8 Research Partnership; Maddison Product Design; Royal Society of Chemistry; Health Protection Agency; National Composites Centre; Food and Environment Research Agency; Industrial Strategic Advisory Board of the University of Bristol and Bath University Systems Centre; Chemistry Innovation Knowledge Transfer Network; United Kingdom Science Park Association; The British Private Equity and Venture Capital Association; The Media Institute; The Work Foundation; TWI; Harper Adams University College, Newport; University of Leicester; Surrey Research Park, University of Surrey; LGC; University of Plymouth; One North East; Society of Motor Manufacturers and Traders; Cancer Research UK; Regional Development Agencies; Technology Strategy Board; Loughborough University; The Russell Group; The Biochemical Society; Fraunhofer-Gesellschaft; General Electric; Cambridge 100 Group; Plastic Electronics leadership Group; Sciovis Ltd; The Knowledge Centre for Materials Chemistry; Universities UK- AURIL joint submission; BIA Regenerative Medicine Industry Group; Technical Strategy Advisory
Group; Design Council; Institution of Chemical Engineers; Rolls-Royce; C-Tech Innovation Ltd; and Institute of Physics [TIC 00 – 36; 38 – 84].

Dr David Bembo, Member of Council, Association for University Research and Industry Links, Dr Tim Bradshaw, Head of Enterprise & Innovation, Confederation of British Industry, Professor Ric Parker, Director of Research & Technology, Rolls-Royce Group, and Patrick Reeve, Chair of the BVCA Venture Capital Public Policy Committee, British Private Equity and Venture Capital Association, gave oral evidence.

[Adjourned till Monday 20 December at 4.00pm.]
Monday 20 December 2010

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen Metcalfe
Stephen Mosley
Graham Stringer
Roger Williams

1. The Government’s proposals on the Advisory Council on the Misuse of Drugs (ACMD)

The Committee considered this matter.

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter from the Chair to James Brokenshire MP, Parliamentary Under Secretary of State for Crime Prevention, Home Office, 21 December 2010.

2. Spending Review 2010

The Committee considered this matter.

3. Strategically important metals

The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: Department for Business, Innovation & Skills; G R Chapman; Nicholas Morley; The Institute of Materials, Minerals and Mining; University of Strathclyde and University of Oxford; Aerospace and Defence Knowledge Transfer Network, Materials and Structures National Technical Committee; Wolf Minerals Ltd; The Environmental Sustainability Knowledge Transformation Network; Society of Chemical Industry Materials Chemistry Group; Mineralogical Society of Great Britain and Ireland; The Geological Society of London; Natural History Museum; Construction Materials Group, Society of Chemical Industry; Research Councils UK; British Metals Recycling Association; British Standards Institution; and The Cobalt Development Institute [SIM 00 - 16].

4. Technology Innovation Centres

The Committee considered this matter.

Pam Alexander, Chief Executive, South East England Development Agency (SEEDA), Richard Brook OBE, President, Association of Independent Research and Technology Organisations, Nigel Perry, Chief Executive, Centre for Process Innovation Ltd, and Professor Keith Ridgway OBE, Research Director, Advanced Manufacturing Research Centre, gave oral evidence.
5. Scientific advice and evidence in emergencies

The Committee considered this matter.

[Adjourned till Wednesday 12 January 2011 at 9.00am.]
Wednesday 12 January 2011

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen Metcalfe
David Morris
Stephen Mosley
Graham Stringer
Roger Williams

1. Strategically important metals

The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: The Royal Society of Chemistry and Gareth P Hatch [SIM 17 - 18].

2. Closure of the Forensic Science Service

The Committee considered this matter.

3. Collaborative working with the US House of Representatives

The Committee considered this matter.

4. Programme of work

The Committee considered this matter.

5. Technology Innovation Centres

The Committee considered this matter.

Ordered, That the following written evidence relating to Technology Innovation Centres be reported to the House for publication on the internet: Barclays Bank [TIC 85].

Iain Gray, Chief Executive, Technology Strategy Board; Rt Hon David Willetts MP, Minister of State for Universities and Science, gave oral evidence.

[Adjourned till Monday 17 January 2011 at 4.00pm.]
Monday 17 January 2011

Members present:

Andrew Miller, in the Chair

Gregg McClymont
Stephen Metcalfe
Stephen Mosley
Graham Stringer

1. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Ordered, That the following written evidence relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: Graham Stringer MP [UEA 10].

Draft Report (The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 97 read and agreed to.

Paragraph 98 read.

Amendment proposed, to leave out from “science” in line 3 to the end of the paragraph and add “There are proposals to increase worldwide taxation by up to a trillion dollars on the basis of climate science predictions. This is an area where strong and opposing views are held. The release of the e-mails from CRU at the University of East Anglia and the accusations that followed demanded independent and objective scrutiny by independent panels. This has not happened. The composition of the two panels has been criticised for having members who were over identified with the views of CRU. Lord Oxburgh as President of the Carbon Capture and Storage Association and Chairman of Falck Renewable appeared to have a conflict of interest. Lord Oxburgh himself was aware that this might lead to criticism. Similarly Professor Boulton as an ex colleague of CRU seemed wholly inappropriate to be a member of the Russell panel. No reputable scientist who was critical of CRU’s work was on the panel, and prominent and distinguished critics were not interviewed. The Oxburgh panel did not do as our predecessor committee had been promised, investigate the science, but only looked at the integrity of the researchers. With the exception of Professor Kelly’s notes other notes taken by members of the panel have not been published. This leaves a question mark against whether CRU science is reliable. The Oxburgh panel also did not look at CRU’s controversial work on the IPPC which is what has attracted most series allegations. Russell did not investigate the deletion of e-mails. We are now left after three
investigations without a clear understanding of whether or not the CRU science is compromised.”.—(Graham Stringer.)

Question put, That the Amendment be made.

The Committee divided.

Ayes, 1
Graham Stringer

Noes, 3
Gregg McClymont
Stephen Metcalfe
Stephen Mosley

Paragraph 98 agreed to.

Annex and Summary agreed to.

Resolved, That the title of the Report be changed to the following: The Reviews into the University of East Anglia’s Climatic Research Unit’s E-mails. —(The Chair.)

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for printing with the Report, together with written evidence reported and ordered to be published on 14 July, 8 September, 13 October, and 24 November.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. Technology Innovation Centres

The Committee considered this matter.

3. UK Centre for Medical Research and Innovation

The Committee considered this matter.

Ordered, That the following written evidence relating to UK Centre for Medical Research and Innovation be reported to the House for publication on the internet: Faculty of Pharmaceutical Medicine; The Academy of Medical Sciences; Director, MRC National Institute for Medical
Research; UKCMRI Limited; Robert Henderson; Medical Research Council’s National Trade Union Side; Mireille Burton; King’s College London; Cancer Research UK, Medical Research Council, University College London, and Wellcome Trust [joint submission]; Isabel Vasseur; St Pancras and Somers Town Planning Action; Imperial College London; The Public & Commercial Services Union; Action for our Planet; GlaxoSmithKline R&D; Professor G G Dodson; Camden Green Party; and Councillor Roger Robinson [UKCMRI 01 - 18].

[Adjourned till Wednesday 19 January 2011 at 9.00am.]
Wednesday 19 January 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell               Stephen Mosley
Gregg McClymont             Pamela Nash
Stephen Metcalfe            Graham Stringer
David Morris                Roger Williams

1. Spreading Review 2010

The Committee considered this matter.

Professor David Delpy, Chief Executive, Engineering & Physical Sciences Research Council, Professor Keith Mason, Chief Executive, Science & Technology Facilities Council, Professor Rick Rylance, Chief Executive, Arts & Humanities Research Council, and Professor Alan Thorpe, Chair of the Research Councils UK Executive Group and Chief Executive, Natural Environment Research Council, gave oral evidence.

2. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into the Forensic Science Service.

3. Scientific advice and evidence in emergencies

The Committee considered this matter.

[Adjourned till Wednesday 26 January 2011 at 9.00am.]
Wednesday 26 January 2011

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen Metcalfe
David Morris
Stephen Mosley
Graham Stringer
Roger Williams

1. Programme of work
The Committee considered this matter.

Resolved, That the Committee inquire into peer review.

Resolved, That the Committee inquire into astronomy and particle physics.

2. Department for Business, Innovation and Skills performance indicators and estimates
The Committee considered this matter.

3. Strategically important metals
The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: Design Council [SIM 19].

Professor David Manning, Secretary, Professional Matters, Geological Society, Dr Bernie Rickinson, Chief Executive, Institute of Materials, Minerals and Mining, and Dr Mike Pitts, Industry Technology Division, Royal Society of Chemistry; Ian Hetherington, Director General, British Metals Recycling Association, Sophie Thomas, Council Member, The Design Council, Tony Hartwell, Knowledge Transfer Manager, and Louis Brimacombe, Head, Environment & Sustainability Research Team, Tata Steel, gave oral evidence.

4. UK Centre for Medical Research and Innovation
The Committee considered this matter.

Ordered, That the following written evidence relating to UK Centre for Medical Research and Innovation be reported to the House for publication on the internet: Department for Business, Innovation and Skills, John Mason, T Morgan, and Frankey Binney [UKCMRI 00, 20 - 22].

5. Any other business
Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letters from Rt Hon David Willetts MP, Minister of State for Universities and Science: 20 December 2010, regarding the Haldane Principle; 14 January 2011, regarding BIS Winter Supplementary Estimate 2010-11; and 24 January 2011, regarding UK Resource Centre for Women in SET.

[Adjourned till Wednesday 2 February 2011 at 9.00am.]
Wednesday 2 February 2011

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Gregg McClymont
Stephen Metcalfe
Stephen Mosley
Pamela Nash
Graham Stringer
Roger Williams

1. Technology Innovation Centres

The Committee considered this matter.

Ordered, That the following written evidence relating to Technology Innovation Centres be reported to the House for publication on the internet: University of Leeds supplementary [TIC 05a].

2. Strategically important metals

The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: Minor Metals Trade Association [SIM 20].

3. Programme of work

The Committee considered this matter.

4. Astronomy and particle physics inquiry: visit to CERN

The Committee considered this matter.

4. Pfizer’s decision to close its research and development facility at Sandwich, Kent

Resolved, That the Committee take oral evidence from Pfizer, pharmaceutical company, and the Minister for Universities and science on Pfizer’s decision to close its research and development facility at Sandwich, Kent.

[Adjourned till Wednesday 9 February 2011 at 9.00am.]
Wednesday 9 February 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Pamela Nash
Stephen Metcalfe  Graham Stringer
David Morris  Roger Williams
Stephen Mosley

1. Technology Innovation Centres

The Committee considered this matter.

Draft Report (Technology and Innovation Centres), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 139 read and agreed to.

Annexes and Summary agreed to.

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for printing with the Report (in addition to that ordered to be reported for publishing on 15 December 2010, 12 January 2011 and 2 February 2011).

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. UK Centre for Medical Research and Innovation (UKCMRI)

The Committee considered this matter.

Professor Malcolm Grant, President and Provost, University College London, Harpal Kumar, Chief Executive, Cancer Research UK, Professor Sir John Savill, Chief Executive, Medical Research Council, and Sir Mark Walport, Chief Executive, Wellcome Trust; Natalie Bennett,
Chair, Rob Inglis, Press Officer, and Frankie Biney, local resident, St Pancras and Somers Town Planning Action, gave oral evidence.

3. Astronomy and particle physics inquiry: visit to CERN

The Committee considered this matter.

4. Pfizer’s decision to close its research and development facility at Sandwich, Kent

The Committee considered this matter.

5. Any other business

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter from Rt Hon David Willetts MP, Minister of State for Universities and Science: 5 October 2010, regarding the BIS Main Estimate for 2010-11.

[Adjourned till Monday 14 February 2011 at 4.00pm.]
Monday 14 February 2011

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen Metcalfe
Gregg McClymont
Pamela Nash
Graham Stringer

1. Scientific advice and evidence in emergencies

The Committee considered this matter.

Draft Report (Scientific advice and evidence in emergencies), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 230 read and agreed to.

Annex and Summary agreed to.

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for printing with the Report (in addition to that ordered to be reported for publishing on 13 and 20 October and 1 December).

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

[Adjourned till Wednesday 16 February 2011 at 9.00am.]
Wednesday 16 February 2011

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen Metcalfe
David Morris
Stephen Mosley
Pamela Nash
Graham Stringer
Roger Williams

1. UK Centre for Medical Research and Innovation (UKCMRI)

The Committee considered this matter.

Ordered, That the following written evidence relating to UK Centre for Medical Research and Innovation be reported to the House for publication on the internet: UKCMRI Limited supplementary; Robert Henderson supplementary; St Pancras and Somers Town Planning Action supplementary; and Professor G G Dodson and Dr Tim Bliss supplementary [UKCMRI 04a, 05a, 11a and 16a].

Sir Paul Nurse, Chief Executive and Director, Sir David Cooksey, Chairman, and John Cooper, Chief Operating Officer, UK Centre for Medical Research and Innovation, gave oral evidence.

2. Strategically important metals

The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: The Institute of Materials, Minerals and Mining supplementary; The Environmental Sustainability Knowledge Transfer Network supplementary; and Chatham House [SIM 03a, 07a and 21].

Charles Emmerson, Senior Fellow, Chatham House, Dr Jonathan Di John, Lecturer in Political Economy, School of Oriental and African Studies, Anthony Lipmann, Managing Director, Lipmann Walton & Co Ltd, and former Chairman, Minor Metals Trade Association, and Charles Swindon, Chair of the Trade and Lobby Committee, Minor Metals Trade Association, gave oral evidence.

3. Forensic Science Service

The Committee considered this matter.

Resolved, That the Committee visit the Forensic Science Service in Lambeth, London, in connection to its inquiry into the Forensic Science Service.
Ordered, That the following written evidence relating to Forensic Science Service be reported to the House for publication on the internet: Home Office; Professor Brian Caddy; Dr Peter Dean; Allan McCullagh; Geoffrey Hanson; Mrs Jennifer Button; Justin Scott; Andrea Grout; John Millington; Mrs Marylyn Godber; Alan M Calverd; W Folkard; John Haley; G Burton; Mrs Carol Hannam; Mr Roderick Hannam; Professor Sir Alec Jeffreys; Dr Denise Syndercombe Court; Graham Owen; Professor Peter Gill; Andrew Meaby; Dr Fiona Perry; Natural History Museum; FSS Firearms Staff; Professor Ronald C Denney; David Baldwin; Amanda Meaby; Mike Chan; Pat Best; Prospect; Edward Braxton Reynolds; Dr S P Day; Andy Williams, Director, Forest Forensic Services; Antonio Queenan; David Sawney; Claire Franklin; D J X Halliday; Andrea Stanton; Mr Peter S B Minty; Royal Statistical Society; Deborah Weeks; Mr Peter Grant; FSS London Toxicology Team; Mrs Florence Heap; S J Griffith; Key Forensic Services Limited; Forensic Service Northern Ireland; Anne Chapman-Damms; Lis Harris, Gemma Escott, Nicola Taylor, and Michelle Walton; Miss S A Warnakulasuriya; Dr Richard J C Barron; Hilary Kingston; Dr Susan Pope; Emma Wilson; S Hearsum; Lisa Webb-Salter; Dr Steven R. Baker; Colin Osmond; Ian Parkinson; Jeffrey and Sara Gray; Neville Isles and Lynn Bower; Dr Kevin Sullivan; LGC Forensics; Abigail Snasdell; The Forensic Institute; Mr Ian Kirkwood; Dr S M Willis; British Medical Association; Northumbria University Centre for Forensic Science; Statistics and Interpretation Group, R&D, Forensic Science Service; Katy Rowe and Laura Davis; Cellmark Forensic Services; Terry Kent; The Biochemical Society; Forensic Science Regulator; Mike Silverman; Shailes Jagatiya; Centre for Forensic Investigation, Teesside University; FSS Gunshot Residue Staff; Northumbria University Centre for Forensic Science; Criminal Cases Review Commission; and Catherine Turner and Orlando Elmhirst [FSS 00-61, 63-65, 67-80, and 82-84].

4. Programme of work

The Committee considered this matter.

[Adjourned till Monday 28 February 2011 at 3.00pm.]
Monday 28 February 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Pamela Nash
Stephen McPartland  Graham Stringer
Stephen Mosley  Roger Williams

1. Pfizer’s decision to close its research and development facility at Sandwich

The Committee considered this matter.

Ordered, That the following written evidence relating to *Pfizer’s decision to close its research and development facility at Sandwich* be reported to the House for publication on the internet: Association of the British Pharmaceutical Industry; Royal Society of Chemistry; Pfizer Inc.; Joint submission: Laura Sandys MP, Roger Gale MP, Charlie Elphicke MP, Damian Collins MP and Julian Brazier MP; and Professor Colin Blakemore [PZ 01-05].

Dr Richard Barker, Director General, Association of the British Pharmaceutical Industry, and Dr David M Hollinshead, Royal Society of Chemistry; Dr Olivier Brandicourt, President and General Manager of Pfizer’s Primary Care Business Unit, Dr Rod MacKenzie, Senior Vice President and Head of Worldwide Research for PharmaTherapeutics Research and Development, Dr Ruth McKernan, Senior Vice President and Site Head, Sandwich, and Chief Scientific Officer for Pfizer Regenerative Medicine, and Richard Blackburn, Managing Director, Pfizer UK, gave oral evidence.

2. Astronomy and particle physics

The Committee considered this matter.

Ordered, That the following written evidence relating to *Astronomy and particle physics* be reported to the House for publication on the internet: Government; University of York; Professor George Efstathious; Professor Ian Smail; Professor Don Pollacco; John Beckman (FRAS); Association for Astronomy Education; Professor Mike Barlow; Daresbury Laboratory Section of Prospect; Heads of Nuclear Physics Research Groups in UK; Royal Astronomical Society; Professor Robert Kennicutt; Professor David Carter; ESERO UK, National STEM Centre, University of York; The Observatory Science Centre, Herstmonceux; Chair and Vice-Chair of STFC’s Ground Based Facilities Review panel; Institute of Physics; Professor Gerry Gilmore; Professor Paul Crowther; Professor Francisco Sanchez; Far Universe Advisory Panel (FUAP) and Near Universe Advisory Panel (NUAP); Professor Stephen Hawking; Dr Don Carlos Abrams; Dr Marc Balcells; Professor Tanvir; Dr Bryn Jones; Gemini UK National Time Allocation Committee (NTAC); Professor S J Watts; Professor Janet Drew; Professor Carole Mundell and Dr David Shone; Chris Benn, Isaac Newton Group of Telescopes; Dr Gavin Ramsay, Chairman, UK ING
Panel for the Allocation of Telescope Time; Science and Technology Facilities Council; Senior figures in particle physics communities; Astrophysics Research Institute, Liverpool John Moores University; Professor Mike Bode; Professor John Peacock; and Professor Patrick Roche [APP 00-38].

3. Forensic Science Service

The Committee considered this matter.

Ordered, That the following written evidence relating to Forensic Science Service be reported to the House for publication on the internet: Axiom International Ltd; Forensic Science Society; Faculty of Forensic and Legal Medicine; Forensic Science Service; Royal Society of Chemistry; Crown Prosecution Service; Gary Pugh, Director Forensic Services, Metropolitan Police Service; Professor Jim Fraser, Director, Centre for Forensic Science, University of Strathclyde; and Research Councils UK [FSS 81, 85-92].

4. Strategically important metals

The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: The Geological Society of London supplementary and Minor Metals Trade Association supplementary [SIM 10a and 20a].

5. UK Centre for Medical Research and Innovation

The Committee considered this matter.

Ordered, That the following written evidence relating to UK Centre for Medical Research and Innovation be reported to the House for publication on the internet: UKCMRI Ltd further supplementary; Professor G G Dodson further supplementary; and Rt. Hon. Frank Dobson MP [UKCMRI 04b, 16b and 23].

6. Any other business

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Correspondence provided by Graham Stringer MP between Professor Geoff Hall from Imperial College London and Professor David Delpy, Chief Executive of the Engineering and Physical Sciences Research Council (EPSRC), regarding the Shared Services Centre.

[Adjourned till Wednesday 2 March 2011 at 8.50am.]
Wednesday 2 March 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen McPartland
Stephen Metcalfe
Stephen Mosley

Pamela Nash
Graham Stringer
Roger Williams

1. Strategically important metals

The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: Royal Institution of Chartered Surveyors [SIM 22].

Professor Robert Watson, Chief Scientific Adviser, Department for Environment, Food and Rural Affairs, and Professor David Clary, Chief Scientific Adviser, Foreign and Commonwealth Office; Rt Hon David Willetts MP, Minister of State for Universities and Science, gave oral evidence.

2. Pfizer’s decision to close its research and development facility at Sandwich

The Committee considered this matter.

Ordered, That the following written evidence relating to Pfizer’s decision to close its research and development facility at Sandwich be reported to the House for publication on the internet: Department for Business, Innovation and Skills [PZ 06].

Rt Hon David Willetts MP, Minister of State for Universities and Science, gave oral evidence.

3. UK Centre for Medical Research and Innovation

The Committee considered this matter.

Rt Hon David Willetts MP, Minister of State for Universities and Science, and Earl Howe, Parliamentary Under-Secretary of State for Quality, Department of Health, gave oral evidence.

4. Astronomy and particle physics

The Committee considered this matter.

Ordered, That the following written evidence relating to Astronomy and particle physics be
reported to the House for publication on the internet: Science and Technology Facilities Council supplementary; and Magnetosphere, Ionosphere and Solar-Terrestrial (MIST) council on behalf of the MIST science community [APP 33a and 39].

[Adjourned till Wednesday 9 March 2011 at 9.00am.]
Wednesday 9 March 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen McPartland
Stephen Metcalfe
David Morris

Stephen Mosley
Pamela Nash
Graham Stringer
Roger Williams

1. Strategically important metals

The Committee considered this matter.

2. UK Centre for Medical Research and Innovation

The Committee considered this matter.

3. Pfizer’s decision to close its research and development facility at Sandwich

The Committee considered this matter.

4. Informal meeting with the House of Lords on 15 March

The Committee considered this matter.

5. Department for Business, Innovation and Skills Spring Supplementary Estimate

The Committee considered this matter.

6. Joint Meeting of Chairpersons of Education, Science and Research, and Employment Committees

Resolved, That the Chair has leave to visit Budapest, Hungary, on 19-20 May, to attend the Joint Meeting of Chairpersons of Education, Science and Research, and Employment Committees in a representative capacity.

7. Astronomy and particle physics

The Committee considered this matter.

Anna Barth, Camden School for Girls, London, Jack Bliss, Allerton Grange School, Leeds, Jessica Grainger, Saints Peter and Paul Catholic College, Widnes, Hilary Lamb, Stroud High School, Gloucestershire, James May, Castell Alun High School, Hope (nr. Wrexham), and Charlie Palin,
Neston High School, Cheshire; Dr. Maggie Aderin-Pocock, Space Scientist, Astrium Ltd and Science Innovation Ltd, and Professor Jim Al-Khalili, Professor of Physics, Professor of Public Engagement in Science, University of Surrey; Professor Dame Jocelyn Bell Burnell, President, Institute of Physics, and Professor Roger Davies, President, Royal Astronomical Society, gave oral evidence.

[Adjourned till Wednesday 16 March 2011 at 9.00am.]
Wednesday 16 March 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen Metcalfe
David Morris
Stephen Mosley

Pamela Nash
Graham Stringer
Roger Williams

1. Informal meeting with the House of Lords Science and Technology Committee on 15 March

The Committee considered this matter.

2. Pfizer’s decision to close its research and development facility at Sandwich

The Committee considered this matter.

3. Peer review

The Committee considered this matter.

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Dr P R Crompton; Richard Horton; Brandon Lush; Professor Yasser Gaber Dessouky; Dr Edmund Lamb; Professor Howard Elcock; Neil McKenzie; Professor R N Franklin; Professor Michael J Kelly; British Medical Association; Dr David Taylor; Professor Annabelle Mark; Mary Nettle; Nikolaus Kriegeskorte; Mr N H Lewis; Lawrence Souder; Mark S Bretschter; Donald W Braben; Professor John Scott; Professor R I Tricker; Dr Julie Selwyn; Professor Donald Gillies; Professor Roger Jones; Sir John Ball; Professor James Hartley and Professor James Hartley supplementary; Academy of Social Sciences; Dr Ralph Kenna and Professor Bertrand Berche; John McLean; Political Studies Association; John Gorman; John Wiley & Sons; Royal Meteorological Society; Professor Grazia Ietto-Gillies; Committee on Publication Ethics (COPE); Medical Women’s Federation; William Solesbury; Professor Jeremy Fox and Professor Owen Petchey; The Institution of Engineering and Technology; Society for General Microbiology; British Antarctic Survey; BMJ Group; Professor Thomas Ward, UEA; International Bee Research Association; London Mathematical Society; Jonathan Cowie; The Publishers Association; Sir Iain Chalmers; American Meteorological Society; British Sociological Association; Dr E J P Marshall; Sense About Science; UK Association for Heterodox Economics; Association of Learned and Professional Society Publishers; Public Library of Science; The Wellcome Trust; Medical Schools Council; Higher Education Funding Council for England; Geological Society of London; International Association of Scientific, Technical and Medical Publishers; Philip Campbell; Institute of Physics; Dr Thomas J Webb; Professor Mike Clarke; John Innes Centre; University Alliance; Faculty of Pharmaceutical Medicine; Research Councils UK; Royal Society of Chemistry; The Royal Society; Adam Jacobs; Regional Studies Association;
4. Forensic Science Service

The Committee considered this matter.

Ordered, That the following written evidence relating to Forensic Science Service be reported to the House for publication on the internet: GeneWatch UK [FSS 93].

5. Astronomy and particle physics

The Committee considered this matter.

Professor Phil Allport, Head of Particle Physics and Director of the Liverpool Semiconductor Detector Centre, University of Liverpool, Professor Mike Bode, Director of the Astrophysics Research Institute, Liverpool John Moores University, Professor Robert C. Kennicutt, Jr., Plumian Professor of Astronomy and Experimental Philosophy Director, Institute of Astronomy, University of Cambridge, Professor John Peacock, Head of the Institute for Astronomy, University of Edinburgh, Professor Steve Rawlings, sub-Department of Astrophysics, Oxford University, and Professor Andrei Seryi, Director, John Adams Institute for Accelerator Science; Professor Keith Mason, Chief Executive of the Science and Technology Facilities Council, and Sir Adrian Smith, Director General, Knowledge and Innovation, Department of Business, Innovation and Skills, gave oral evidence.

6. Any other business

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter from the Chair to the Rt Hon David Willetts MP, Minister of State for Universities and Science, 16 March 2011, regarding Pfizer’s decision to close its research and development facility at Sandwich, and further correspondence provided by Graham Stringer MP between Professor Geoff Hall from Imperial College London and Professor David Delpy, Chief Executive of the Engineering and Physical Sciences Research Council (EPSRC), regarding the Shared Services Centre.

[Adjourned till Wednesday 16 March 2011 at 9.00am.]
Wednesday 23 March 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Stephen Mosley
Stephen McPartland  Pamela Nash
Stephen Metcalfe  Graham Stringer
David Morris  Roger Williams

1. Peer review

The Committee considered this matter.

Ordered, That Dr Irene Hames be appointed Specialist Adviser to assist the Committee in matters related to Peer review (For details of declarations of interests, see Appendix.)

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Diane Harley and Sophia Krzys Acord; and The Academy of Medical Sciences [PR 88 and 89].

2. Programme of work

The Committee considered this matter.

3. Astronomy and particle physics

The Committee considered this matter.

Ordered, That the following written evidence relating to Astronomy and particle physics be reported to the House for publication on the internet: Professor George Efstathious; Research Councils UK; and Professor Phil Allport [APP 03a, 40 and 41].

4. Forensic Science Service

The Committee considered this matter.

Bill Griffiths, Chairman, Dr Gillian Tully, Research and Development Manager, Forensic Science Service, and Steve Thomas, Officer for Forensic Science Service, Prospect Union, gave oral evidence.

[Adjourned till Wednesday 30 March 2011 at 9.00am.]
DECLARATIONS OF INTERESTS

Dr Irene Hames (Specialist Adviser)

- Council member, Director and Trustee, Committee on Publication Ethics (COPE)
- Member, Advisory Board, Sense About Science
- Author of *Peer Review and Manuscript Management in Scientific Journals*
- Advice to the Association of Learned and Professional Society Publishers
Wednesday 30 March 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Stephen Mosley
Stephen Metcalfe  Pamela Nash

1. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into practical experiments in school science lessons and science field trips.

2. Peer review

The Committee considered this matter.

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Association of Medical Research Charities; Dr Andrew Sugden, Deputy Editor & International Managing Editor, Science; and Kamal Mahawar [PR 90-92].

3. Forensic Science Service

The Committee considered this matter.

Ordered, That the following written evidence relating to Forensic Science Service be reported to the House for publication on the internet: Mike Barber; Alan Field; and National Policing Improvement Agency [FSS 94-96].

Professor Jim Fraser, Director, Centre for Forensic Science, University of Strathclyde, David Hartshorne, Commercial Director, Cellmark Forensic, Professor Sir Alec Jeffreys, Professor of Genetics, University of Leicester, and David Richardson, Chief Executive, LGC; Dr Simon Bramble, Head of Police Science and Forensics, National Policing Improvement Agency, Roger Coe-Salazar, Chief Crown Prosecutor, Crown Prosecution Service, Gary Pugh, Director of Forensic Services, Metropolitan Police Service, and Chief Constable Chris Sims, Association of Chief Police Officers, gave oral evidence.

[Adjourned till Monday 4 April 2011 at 4.00pm.]
Monday 4 April 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Pamela Nash
Stephen Metcalfe  Graham Stringer
Stephen Mosley  Roger Williams

1. Programme of work

The Committee considered this matter.

Resolved, That Stephen Metcalfe, Graham Stringer and a member of Committee staff have leave to visit LGC in Teddington for the purposes of the Committee’s inquiry into the Forensic Science Service in a representative capacity.

2. Peer review

The Committee considered this matter.

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Veli Albert Kallio [PR 93].

3. Forensic Science Service

The Committee considered this matter.

Ordered, That the following written evidence relating to Forensic Science Service be reported to the House for publication on the internet: Alan Whittle [FSS 97].

4. Any other business

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter the Rt Hon David Willetts MP, Minister of State for Universities and Science, 31 March 2011, regarding science and research budget changes in the Spring Supplementary Estimate 2010-11.

[Adjourned till Wednesday 27 April 2011 at 9.00am.]
Wednesday 27 April 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen Metcalfe
David Morris

Stephen Mosley
Graham Stringer

1. The Government’s response to the Committee’s Report into the Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

Draft Special Report (The Reviews into the University of East Anglia’s Climatic Research Unit’s E-mails: Government Response to the Committee’s First Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government’s response to the First Report from the Science and Technology Committee was appended to the Report.

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

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

2. Astronomy and particle physics

The Committee considered this matter.

Ordered, That the following written evidence relating to Astronomy and particle physics be reported to the House for publication on the internet: Andrea Fesmer [APP 42].

3. Peer review

The Committee considered this matter.

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Professor Michael J Kelly supplementary [PR 09a].

4. Forensic Science Service

The Committee considered this matter.

Ordered, That the following written evidence relating to Forensic Science Service be reported to the House for publication on the internet: Professor Peter Gill supplementary; Centre for
Forensic Investigation, Teesside University supplementaries; and John Welch [FSS 19a, 79a, 79b and 98].


[Adjourned till Wednesday 4 May 2011 at 9.00am.

Appendix

DECLARATIONS OF INTERESTS

Dr Irene Hames (Specialist Adviser)

- Employee (until 31 October 2010) of Wiley-Blackwell
- Member, ISMTE (International Society of Managing and Technical Editors) Industry Advisory Board
Wednesday 4 May 2011

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe
Stephen Mosley
Pamela Nash
Graham Stringer

1. Astronomy and Particle Physics

The Committee considered this matter.

Draft Report (Astronomy and Particle Physics), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 124 read and agreed to.

Annexes and Summary agreed to.

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. Strategically important metals

The Committee considered this matter.

Draft Report (Strategically important metals), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 192 read and agreed to.

Summary agreed to.

Resolved, That the Report be the Fifth Report of the Committee to the House.
Ordered, That the Chair make the Report to the House.

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

3. Practical experiments in school science lessons and science field trips

The Committee considered this matter.

4. Spending Review 2010

The Committee considered this matter.

Ordered, That the following written evidence relating to Spending Review 2010 be reported to the House for publication on the internet: Helen Smith; Professor Neil Spooner; De Montfort University; Prospect; University and College Union; UCL Institute of Cognitive Neuroscience; Research Councils UK; Office of the Vice-Provost (Research), UCL; Rolls-Royce plc; Professor George Lees; The Royal Society; Royal Society of Chemistry; Royal Geographical Society; Royal Astronomical Society; Council for the Mathematical Sciences; GuildHE; Higher Education Funding Council for England; The Petroleum Exploration Society of Great Britain, The British Geophysical Association, and The Geological Society of London, working through its Petroleum Group; The UKRC; The Academy of Medical Sciences; Royal Statistical Society; Society of Biology; Cancer Research UK; Institute of Physics; Science is Vital Campaign; Campaign for Science & Engineering; and University Alliance [SR 03-29].

5. Peer review

The Committee considered this matter.

Dr Nicola Gulley, Editorial Director, Institute of Physics Publishing Ltd, Professor Ronald Laskey CBE FRS FMedSci, Vice-President, Academy of Medical Sciences, Dr Robert Parker, Interim Chief Executive, Royal Society of Chemistry, and Professor John Pethica FRS, Physical Secretary and Vice-President, Royal Society, gave oral evidence.

[Adjourned till Wednesday 11 May 2011 at 9.00am.]
Wednesday 11 May 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  
Stephen Metcalfe  
David Morris  
Stephen Mosley

Pamela Nash  
Graham Stringer  
Roger Williams

1. The Government’s response to the Committee’s Report on Technology and Innovation Centres

Draft Special Report (Technology and Innovation Centres: Government Response to the Committee’s Second Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government’s response to the Second Report from the Science and Technology Committee 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.

2. The Government’s response to the Committee’s Report on Scientific advice and evidence in emergencies

Draft Special Report (Scientific advice and evidence in emergencies: Government Response to the Committee’s Third Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government’s response to the Third Report from the Science and Technology Committee 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. Practical experiments in school science lessons and science field trips

The Committee considered this matter.

Resolved, That the Committee visit the Mulberry School for Girls in the London Borough of Tower Hamlets, in connection to its inquiry into practical experiments in school science lessons and science field trips.
4. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into forest research.

Resolved, That the Committee visit forest research facilities in Midlothian, in connection to its inquiry into forest research.

Resolved, That the Committee meet concurrently with the Science and Technology Committee of the House of Lords to deliberate and take evidence, in accordance with the provisions of Standing Order No. 137A.

5. Forensic Science Service

The Committee considered this matter.

Ordered, That the following written evidence relating to Forensic Science Service be reported to the House for publication on the internet: Association of Chief Police Officers [FSS 99].

6. Peer review

The Committee considered this matter.

Tracey Brown, Managing Director, Sense About Science, and Dr Liz Wager, Chair of the Committee on Publication Ethics and Board Member of the UK Research Integrity Office; Mayur Amin, Senior Vice President, Research & Academic Relations, Elsevier, Dr Philip Campbell, Editor-in-Chief, Nature Publishing Group, Robert Campbell, Senior Publisher, Wiley-Blackwell, Dr Fiona Godlee, Editor-in-Chief, BMJ Group, and Dr Andrew Sugden, Deputy Editor & International Managing Editor, Science, gave oral evidence.

[Adjourned till Wednesday 18 May 2011 at 9.00am.]
Wednesday 18 May 2011

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen McPartland
Stephen Metcalfe
Stephen Mosley
Pamela Nash
Graham Stringer
Roger Williams

1. UK Centre for Medical Research and Innovation

The Committee considered this matter.

Draft Report (UK Centre for Medical Research and Innovation), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 168 read and agreed to.

Summary agreed to.

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. Peer review

The Committee considered this matter.

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Faculty of 1000 Ltd; and Vitae [PR 94-95].

3. Practical experiments in school science lessons and science field trips

The Committee considered this matter.
Ordered, That the following written evidence relating to *Practical experiments in school science lessons and science field trips* be reported to the House for publication on the internet: Department for Education; Rosie Clift; Jane Giffould; Professor Edgar Jenkins; Scottish Schools Equipment Research Centre; British Science Association; Earth Science Teachers’ Association; Field Studies Council; School Travel Forum; Myscience; Council for Learning Outside the Classroom; The Perse School; City and Islington College; Institution of Chemical Engineers; RSPB; The British Psychological Society; APBI; Dr Philip Wheeler and Dr Graham Scott; Oxford Cambridge and RSA Examinations (OCR); The Linnean Society of London; Office of Qualifications and Examination Regulation (Ofqual); Research Councils UK; The Royal Institution of Great Britain; The Gatsby Charitable Foundation; Assessment and Qualifications Alliance (AQA); British Ecological Society; CLEAPSS; National Union of Teachers; The Geological Society; Natural History Museum; EngineeringUK; The Wellcome Trust; Institute of Education, University of London and the University of York; Science Community Representing Education (SCORE); Teacher Scientist Network; British Science Association; Royal Geographical Society; Campaign for Science and Engineering; The Science Council; The Association for Science Education, Outdoor Science Working Group; NASUWT; and The UK Association for Science and Discovery Centres [Sch Sci 01-41].

4. *Spending Review 2010*

The Committee considered this matter.

Ordered, That the following written evidence relating to *Spending Review 2010* be reported to the House for publication on the internet: ADS [SR 2010 30].

[Adjourned till Monday 23 May 2011 at 4.00pm.]
Monday 23 May 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen McPartland
Stephen Metcalfe

Graham Stringer
Roger Williams

1. UK Centre for Medical Research and Innovation

The Committee considered this matter.

2. Programme of work

The Committee considered this matter.

Resolved, That the Committee take oral evidence from Rt Hon David Willetts MP, Minister for Universities and Science, Department for Business, Innovation and Skills, Professor Sir John Beddington, Government Chief Scientific Adviser, and the Research Councils on the Spending Review 2010.

3. Peer review

The Committee considered this matter.

Dr Rebecca Lawrence, Director, New Product Development, Faculty of 1000 Ltd, Dr Mark Patterson, Director of Publishing, Public Library of Science, Dr Malcolm Read OBE, Executive Secretary, JISC, and Dr Michaela Torkar, Editorial Director, Biomed Central; Dr Janet Metcalfe, Chair, Vitae, Professor Teresa Rees CBE, Professor of Social Science and former Pro Vice Chancellor (Research), Cardiff University, and Professor Ian Walmsley, Pro Vice Chancellor, University of Oxford, gave oral evidence.

[Adjourned till Wednesday 8 June 2011 at 9.00am.]
Wednesday 8 June 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell          Stephen Mosley
Stephen McPartland    Pamela Nash
Stephen Metcalfe      Graham Stringer
David Morris          Roger Williams

1. Strategically important metals

The Committee considered this matter.

Ordered, That the following written evidence relating to Strategically important metals be reported to the House for publication on the internet: Office of Fair Trading.

2. The Government’s response to the former Committee’s Report on Bioengineering

Draft Special Report (Bioengineering: Government Response to the Committee’s Seventh Report of Session 2009–10), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government’s response to the Seventh Report, Session 2009–10, from the Science and Technology Committee 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.

3. The Government’s supplementary response to the Committee’s Report on Scientific advice and evidence in emergencies

Draft Special Report (Scientific advice and evidence in emergencies: Supplementary Government Response to the Committee’s Third Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government’s supplementary response to the Third Report from the Science and Technology 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.
4. Programme of work

The Committee considered this matter.

5. Science and research budget queries from 2011–12 allocations

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter from the Rt Hon David Willetts MP, Minister of State for Universities and Science, 1 June 2011, regarding Science and research budget queries from 2011–12 allocations.

6. Practical experiments in school science lessons and science field trips

The Committee considered this matter.

Ordered, That the following written evidence relating to Practical experiments in school science lessons and science field trips be reported to the House for publication on the internet: Health and Safety Executive; Association of British Insurers; and Ofsted [Sch Sci 42-44].

7. Peer review

The Committee considered this matter.

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Frederick Friend [PR 96].

Professor Rick Rylance, Chair-elect, Research Councils UK, David Sweeney, Director for Research, Innovation and Skills, Higher Education Funding Council for England, and Sir Mark Walport, Director, Wellcome Trust; Professor Sir John Beddington, Government Chief Scientific Adviser, and Sir Adrian Smith, Director General, Knowledge and Innovation, Department for Business, Innovation and Skills, gave oral evidence.

[Adjourned till Wednesday 15 June 2011 at 9.00am.

Appendix

DECLARATIONS OF INTERESTS

Dr Irene Hames (Specialist Adviser)
- Received fees for workshops from Roberts’ funding for researcher training and career development
Wednesday 15 June 2011

Members present:
Andrew Miller, in the Chair
Gavin Barwell
Stephen McPartland
Stephen Metcalfe
David Morris
Stephen Mosley
Pamela Nash
Graham Stringer

1. Forest research

The Committee considered this matter.

Ordered, That the following written evidence relating to Forest research be reported to the House for publication on the internet: Professor John Grace, University of Edinburgh; The Scottish Forestry Trust; Dr Andrew D Cameron, University of Aberdeen; Institute of Chartered Foresters Sylva Foundation; Professor Maurizio Mencuccini, University of Edinburgh; British and Irish Hardwoods Trust; Forest Products Research Institute; Dr Peter Savill; Royal Forestry Society; M C Jarvis, University of Glasgow; UPM Tilhill; Royal Scottish Forestry Society; The Woodland Trust; Maelor Forest Nurseries Limited; Forestry Commission Trade Unions; Confederation of Forest Industries; Earth Trust; DMCii; Scottish Natural Heritage; Scottish Woodlands Ltd; Countryside Council for Wales; RSPB; Society of Biology; Alba Trees Plc and Forest Carbon Ltd; and British Ecological Society [Forest 01-26].

2. X-Ray Photoelectron Spectroscopy, Daresbury

The Committee considered this matter.

Ordered, That the following written evidence relating to General correspondence be reported to the House for publication on the internet: Letter from Professor David Delpy, Chief Executive, Engineering and Physical Sciences Research Council, 9 May 2011, regarding the X-Ray Photoelectron Spectroscopy at Daresbury.

3. HM Treasury Chief Scientific Adviser

The Committee considered this matter.

4. Practical experiments in school science lessons and science field trips

The Committee considered this matter.

Kevin Courtney, Deputy General Secretary, National Union of Teachers, Dr Stuart Hitch, Earth Science Teachers’ Association affiliated teacher, Greg Jones, National Union of Teachers affiliated
teacher, Professor Chris King, Earth Science Teachers’ Association, and Darren Northcott, National Official (Education), National Association of Schoolmasters/Union of Women Teachers, gave oral evidence.

5. Scientific advice and evidence in emergencies: follow-up

The Committee considered this matter.

Professor Sir John Beddington, Government Chief Scientific Adviser, Christina Scott, Director, Civil Contingencies Secretariat, Cabinet Office, and Julia Longbottom, Head of China Team, Foreign and Commonwealth Office, gave oral evidence.

6. Peer review

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: David Smith [PR 97].

[Adjourned till Wednesday 22 June 2011 at 9.00am.]
Wednesday 22 June 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen Metcalfe
David Morris

Graham Stringer
Roger Williams

1. The Forensic Science Service

The Committee considered this matter.

Draft Report (The Forensic Science Service), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 245 read and agreed to.

Annex and Summary agreed to.

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. Programme of work

The Committee considered this matter.

3. Strategically important metals

The Committee considered this matter.

4. The Reviews into the University of East Anglia’s Climatic Research Unit’s E-mails

The Committee considered this matter.
5. Conference on pan-European Parliamentary Technology Assessment, Brussels, 7 September 2011

The Committee considered this matter.

6. Forest research

The Committee considered this matter.

Ordered, That the following written evidence relating to Forest research be reported to the House for publication on the internet: Research Councils UK [Forest 27].

[Adjourned till Wednesday 29 June 2011 at 9.00am.]
Wednesday 29 June 2011

Members present:

Andrew Miller, in the Chair

Stephen McPartland           Pamela Nash
Stephen Metcalfe             Graham Stringer
David Morris                 Roger Williams
Stephen Mosley

1. Strategically important metals

The Committee considered this matter.

Ordered, That the following correspondence received following the publication of Strategically important metals be reported to the House for publication on the internet: Anthony Lipmann and Dr Ben Sheridan.

2. Royal Society of Chemistry Parliamentary Links Day, 28 June 2011

The Committee considered this matter.

3. The Commissioning of X-Ray Photoelectron Spectroscopy services

The Committee considered this matter.

Ordered, That the following written evidence relating to The Commissioning of X-Ray Photoelectron Spectroscopy services be reported to the House for publication on the internet: Prospect (Daresbury Laboratory) [XPS 01].

4. Forest research

The Committee considered this matter.

Ordered, That the following written evidence relating to Forest research be reported to the House for publication on the internet: Forestry Commission and the Department for Environment, food and Rural Affairs [Forest 00].

5. Peer Review

The Committee considered this matter.

Ordered, That the following written evidence relating to Peer review be reported to the House for publication on the internet: Dr P R Crompton supplementary [PR 01a].
6. Practical experiments in school science lessons and science field trips

The Committee considered this matter.

Ordered, That the following written evidence relating to Practical experiments in school science lessons and science field trips be reported to the House for publication on the internet: Jill Friedmann; and John Baruch, University of Bradford [Sch Sci 45 and 46].

Paul Cohen, Director, Initial Teacher Training Recruitment, Training & Development Agency, Annette Smith, Chief Executive, Association of Science Education, Dr Phil Smith MBE, Coordinator, Teacher Scientist Network, and Dr Steve Tilling, Field Studies Council; Beth Gardner, Chief Executive, Council for Learning Outside the Classroom, Professor Graham Hutchings FRS, Chair, SCORE, Sir Roland Jackson, Chief Executive, British Science Association, and Steve Jones, Director, CLEAPSS, gave oral evidence.

[Adjourned till Monday 4 July 2011 at 4.00pm.]
Monday 4 July 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Pamela Nash
Stephen McPartland  Roger Williams
Stephen Metcalfe

1. Programme of work

The Committee considered this matter.

2. The Commissioning of X-Ray Photoelectron Spectroscopy services

The Committee considered this matter.

Ordered, That the following written evidence relating to The Commissioning of X-Ray Photoelectron Spectroscopy services be reported to the House for publication on the internet: Professor Russell Egdell; Science and Technology Facilities Council; and Professor George Smith [XPS 02-04].

3. Forest research

The Committee considered this matter.

Ordered, That the following written evidence relating to Forest research be reported to the House for publication on the internet: Independent Panel on Forestry [Forest 28].

4. Practical experiments in school science lessons and science field trips

The Committee considered this matter.

David Knighton, Reporting inspector, Ofsted, Kevin Myers, Deputy Chief Executive, Health and Safety Executive, Dennis Opposs, Director of Standards, OfQual, and Nigel Thomas, Director, Education and Skills, Gatsby Foundation; Nick Gibb MP, Minister of State for Schools, Department for Education, gave oral evidence.

[Adjourned till Monday 11 July 2011 at 3.30pm.]
Monday 11 July 2011

Members present:
Andrew Miller, in the Chair

Gavin Barwell
Stephen McPartland
Stephen Metcalfe

Graham Stringer
Stephen Mosley

1. Visit to Research Councils UK and Technology Strategy Board, Swindon, 6 July 2011

The Committee considered this matter.

2. The Government and Science and Technology Facilities Council responses to the Committee’s Report on Astronomy and Particle Physics

Draft Special Report (Astronomy and Particle Physics: Government and Science and Technology Facilities Council Responses to the Committee’s Fourth Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government and the Science and Technology Facilities Council Responses to the Fourth Report, Session 2010–12, from the Science and Technology Committee were 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.

3. The Commissioning of X-Ray Photoelectron Spectroscopy services

The Committee considered this matter.

Ordered, That the following written evidence relating to The Commissioning of X-Ray Photoelectron Spectroscopy services be reported to the House for publication on the internet: Kratos Analytical Ltd [XPS 05].

Dr Graham Bushnell-Wye, Prospect, Professor David Delpy, Chief Executive, Engineering & Physical Sciences Research Council, and Professor Colin Whitehouse, Head of the Daresbury Laboratory, gave oral evidence.

[Adjourned till Wednesday 13 July 2011 at 9.00am.]
Wednesday 13 July 2011

[The Committee met concurrently with the House of Lords Science and Technology Committee.]

Members present:

Gavin Barwell  Stephen Mosley
Stephen McPartland  Pamela Nash
Stephen Metcalfe  Graham Stringer
Andrew Miller  Roger Williams
David Morris

The following members of the House of Lords Science and Technology Committee were also present, in accordance with Standing order No. 137A.

Members present:

Lord Broers  Baroness Perry of Southwark
Lord Cunningham of Felling  Lord Patel
Lord Krebs  Lord Wade of Chorlton

Andrew Miller was called to the Chair, in accordance with Standing Order No. 137A(1)(d).

1. Forest research

The Committees deliberated and took evidence, in accordance with Standing Order No. 137A(1)(b).

Jacqueline Caine, Science Policy Officer, Society of Biology, Stuart Goodall, Chief Executive, Confederation of Forest Industries, Allan MacKenzie, Departmental Secretary, Forestry Commission Trade Unions, Professor Philip Turner, Director, Forest Products Research Institute, and Dr Allan Watt, Deputy Science Director, Biodiversity Programme, Centre for Ecology & Hydrology; Roger Coppock, Head of Specialist Advisors, Corporate and Forestry Support, Forestry Commission, Brian Harris, Head of Science Strategy for Agriculture, Food and Environment, Biotechnology and Biological Sciences Research Council, Dr Andrew Impey, Terrestrial and Freshwater Science & Innovation Manager, Natural Environment Research Council, and Dr James Pendlebury, Chief Executive, Forest Research; Rt Hon Jim Paice MP, Minister of State for Agriculture and Food, Dr Miles Parker, Deputy Chief Scientific Adviser, Department for Environment, Food and Rural Affairs, and Tim Rolinson, Director General and Deputy Chairman, Forestry Commission, gave oral evidence.

[Adjourned till Monday 18 July 2011 at 4.00pm.]
Monday 18 July 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell  Stephen Mosley
Stephen McPartland  Graham Stringer
Stephen Metcalfe

1. Peer review in scientific publications

The Committee considered this matter.

Draft Report (Peer review in scientific publications), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 280 read and agreed to.

Annex and Summary agreed to.

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. Forest research

The Committee considered this matter.

3. The commissioning of X-Ray Photoelectron Spectroscopy services

The Committee considered this matter.

4. Programme of work

The Committee considered this matter.
Resolved, That the Committee take oral evidence from Professor Sir John Beddington, Government Chief Scientific Adviser, on The Government Office for Science Annual Review 2010-11.

Resolved, That the Committee take oral evidence from Professor Sir John Beddington, Government Chief Scientific Adviser and James Richardson, Chief Scientific Adviser, HM Treasury, on Treasury Chief Scientific Adviser.

Resolved, That the Committee take oral evidence from Research Councils UK and Rt Hon David Willetts MP, Minister for Universities and Science, Department for Business, Innovation and Skills, on Spending Review 2010.

Resolved, That the Committee inquire into the evidence base for alcohol guidelines.

Resolved, That the Committee inquire into Science in the Met Office.

Resolved, That the Committee inquire into Malware and Cyber-crime.

5. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Ordered, That the following written evidence relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: Letter from Professor Edward Acton, Vice-Chancellor, University of East Anglia, regarding an update on the UEA’s handling of Freedom of Information requests.

[Adjourned till Wednesday 7 September 2011 at 9.00am.]
1. Practical experiments in school science lessons and science field trips

The Committee considered this matter.

Draft Report (Practical experiments in school science lessons and science field trips), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 102 read and agreed to.

Annex and Summary agreed to.

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

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. The Government Response to the Committee’s Report on UK Centre for Medical Research and Innovation

Draft Special Report (UK Centre for Medical Research and Innovation (UKCMRI): Government Response to the Committee’s Sixth Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government Response to the Sixth Report, Session 2010–12, from the Science and Technology 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.

3. The Government Response to the Committee’s Report on Strategically important metals

Draft Special Report (Strategically important metals: Government Response to the Committee’s Fifth Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government Response to the Fifth Report, Session 2010–12, from the Science and Technology 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. Engineering and Physical Sciences Research Council: synthetic organic chemistry

The Committee considered this matter.

5. The Government Response to the Committee’s Report on Forensic Science Service

The Committee considered this matter.

6. Programme of work

The Committee considered this matter.

Resolved, That the Committee undertake a pre-appointment hearing regarding the Chair of the Technology Strategy Board.

7. World Science Forum in Budapest, 16-19 November 2011

Resolved, That the Chair has leave to visit Budapest, Hungary, on 16-19 November, to attend the World Science Forum in a representative capacity.

8. The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia

The Committee considered this matter.

Ordered, That the following written evidence relating to The Reviews into the Climatic Research Unit’s E-mails at the University of East Anglia be reported to the House for publication on the internet: Letter from Professor Edward Acton, Vice-Chancellor, University of East Anglia, regarding the findings of the Information Commissioner.
9. **2010 Science Funding Allocation letters**

The Committee considered this matter.

*Ordered*, That the following written evidence relating to *General Correspondence* be reported to the House for publication on the internet: Letter from Rt Hon David Willetts MP, Minister of State for Universities and Science, regarding the 2010 Science Funding Allocation letters.

10. **Evidence base underpinning the alcohol and dietary advice provided by Government**

The Committee considered this matter.

*Ordered*, That the following written evidence relating to *General Correspondence* be reported to the House for publication on the internet: Letter from Anne Milton MP, Parliamentary Under Secretary of State, Department of Health, regarding the evidence base underpinning the alcohol and dietary advice provided by Government and its public bodies.

11. **Forest research**

The Committee considered this matter.

*Ordered*, That the following written evidence relating to *Forest research* be reported to the House for publication on the internet: Jim Henderson [Forest 29].


The Committee considered this matter.

Professor Sir John Beddington, Government Chief Scientific Adviser, gave oral evidence.

13. **Treasury Chief Scientific Adviser**

The Committee considered this matter.

Professor Sir John Beddington, Government Chief Scientific Adviser and Dr James Richardson, Chief Scientific Adviser, HM Treasury, gave oral evidence.

[Adjourned till Wednesday 14 September 2011 at 9.00am.]
Wednesday 14 September 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen McPartland
Stephen Metcalfe
David Morris

Stephen Mosley
Graham Stringer
Roger Williams

1. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into engineering in government.

2. Malware and Cyber-crime

The Committee considered this matter.

Ordered, That the following written evidence relating to Malware and Cyber-crime be reported to the House for publication on the internet: Home Office; Professor Peter Sommer; Dr Huma Shah; David Emm and Professor Steven Furnell; Intellect; StopBadware; Fenmeccanica Cyber Solutions; Messaging Anti-Abuse Working Group; McAfee; Symantec; Dr Richard Clayton; BCS (the Chartered Institute for IT), The Institution of Engineering and Technology, and The Royal Academy of Engineering; Amit Bhagwat; Serious Organised Crime Agency; Police Central e-Crime Unit; Raytheon UK; Dellsecureworks; Microsoft; Nominet UK; and Australian Institute of Criminology [Malware 00-19].

3. The Francis Crick Institute (formerly the UK Centre for Medical Research and Innovation)

The Committee considered this matter.

Ordered, That the following written evidence relating to The Francis Crick Institute (formerly the UK Centre for Medical Research and Innovation) be reported to the House for publication on the internet: September 2011 Update.

4. Westminster Hall debate on the Committee’s report on scientific advice and evidence in emergencies, 15 September 2011

The Committee considered this matter.

5. Pre-appointment hearing regarding the Chair of the Technology Strategy Board
The Committee considered this matter.

6. Spending Review 2010

The Committee considered this matter.

Professor David Delpy, Chief Executive, Engineering and Physical Sciences Research Council (EPSRC); Professor Keith Mason, Chief Executive, Science and Technology Facilities Council (STFC); Professor Rick Rylance, Chair, Research Councils UK (RCUK) and Chief Executive, Arts and Humanities Research Council (AHRC); Professor Sir John Savill, Chief Executive, Medical Research Council (MRC); and Dr Steven Wilson, Interim Chief Executive, Natural Environment Research Council (NERC); Rt Hon David Willetts MP, Minister for Universities and Science, gave oral evidence.

[Adjourned till Wednesday 12 October 2011 at 9.00am.]
Wednesday 12 October 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen McPartland
Stephen Metcalfe
Stephen Mosley

Pamela Nash
Graham Stringer
Roger Williams

1. Government and Research Councils UK responses to the Peer review in scientific publications report

Draft Special Report (Peer review in scientific publications: Government and Research Councils UK Responses to the Committee’s Eighth Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government and Research Councils UK Responses to the Eighth Report, Session 2010–12, from the Science and Technology Committee, were appended to the Report.

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

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

2. Forensic Science Service

The Committee considered this matter.

3. Programme of work

The Committee considered this matter.

Resolved, That the Committee visit the Met Office in Exeter.

4. Science in the Met Office

Ordered, That the following written evidence relating to Science in the Met Office be reported to the House for publication on the internet: Met Office; Met Office supplementary; Anthony John Power; Malcolm Shykles; Professor John Pyle; European Centre for Medium-Range Weather Forecasts; Prospect; Professor Sir Brian Hoskins; U.S. Department of Commerce, National Oceanic & Atmospheric Administration, National Weather Service; Australian Bureau of Meteorology; National Oceanography Centre; Rowan Douglas, Willis Research Network; Royal Meteorological Society; Committee on Climate Change; Research Councils UK; The
5. **The evidence base for alcohol guidelines**

The Committee considered this matter.

*Ordered*, That the following written evidence relating to *The evidence base for alcohol guidelines* be reported to the House for publication on the internet: Department of Health; Anthony Ernest Hanwell; David Gill; Richard Williams; James Watson; The Association of Small Direct Wine Merchants; Alcohol Research UK; 2020health; The British Beer & Pub Association, The National Association of Cider Makers, The Scotch Whisky Association and The Wine and Spirit Trade Association; The International Scientific Forum on Alcohol Research and AIM, Alcohol in Moderation; Population Health Sciences Research Network; Sheffield Addiction Research Group; White Ribbon Association; Dr Richard Harding; Dr William Haydock; Grampian Alcohol and Drugs Partnerships; Lundbeck; Cancer Research UK; Drinkaware; Royal College of Obstetricians and Gynaecologists; Royal College of Psychiatrists; Alcohol Focus Scotland and Scottish Health Action on Alcohol Problems; Royal College of Physicians; Children in Scotland; Institute of Alcohol Studies; Campaign for Real Ale; The Academy of Medical Sciences; British Medical Association; and The Portman Group [AG 00-28].

Professor Sir Ian Gilmore, Royal College of Physicians, Dr Richard Harding, Member of the 1995 Interdepartmental Working Group on Sensible Drinking, Professor Nick Heather, Alcohol Research UK, and Dr Marsha Morgan, Institute of Alcohol Studies; Jeremy Beadles, Chief Executive, Wine and Spirits Trade Association, Professor Averil Mansfield, British Medical Association, and Chris Sorek, Chief Executive Officer, Drinkaware, gave oral evidence.

[Adjourned till Wednesday 19 October 2011 at 9.00am.]
1. BBC Trust ‘Review of impartiality and accuracy of the BBC’s coverage of science’

The Committee considered this matter.

2. Malware and Cyber-crime

The Committee considered this matter.

3. Science in the Met Office

Ordered, That the following written evidence relating to Science in the Met Office be reported to the House for publication on the internet: Philip Eden [MO 17].

4. The evidence base for alcohol guidelines

Ordered, That the following written evidence relating to The evidence base for alcohol guidelines be reported to the House for publication on the internet: The International Scientific Forum on Alcohol Research and AIM, Alcohol in Moderation supplementary [AG 09a].

[Adjourned till Monday 24 October 2011 at 4.00pm.]
Monday 24 October 2011

Members present:
Andrew Miller, in the Chair
Stephen Mosley
Pamela Nash
Roger Williams

1. Pre-appointment hearing with the Government’s preferred candidate for Chair of the Technology Strategy Board

The Committee considered this matter.

Ordered, That the following written evidence relating to Pre-appointment hearing with the Government’s preferred candidate for Chair of the Technology Strategy Board be reported to the House for publication on the internet: Phil Smith curriculum vitae; TSB Role and person specification; TSB Appointments process; and letter from the Rt Hon Vince Cable MP [TSB 01-04].

Phil Smith, Chair-elect of the Technology Strategy Board, gave oral evidence.

Draft Report (Pre-appointment hearing with the Government’s preferred candidate for Chair of the Technology Strategy Board), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 12 read and agreed to.

Resolved, That the Report be the Tenth Report of the Committee to the House.

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

2. Science in the Met Office

Ordered, That the following written evidence relating to Science in the Met Office be reported to the House for publication on the internet: Roger Harrabin, BBC Environment Analyst [MO 18].

[Adjourned till Wednesday 26 October 2011 at 9.00am.]
1. The evidence base for alcohol guidelines

The Committee considered this matter.

Anne Milton MP, Parliamentary Under Secretary of State for Public Health, Dr Mark Prunty, Senior Medical Officer for Substance Misuse Policy, and Chris Heffer, Deputy Director, Alcohol & Drugs, Department of Health, gave oral evidence.

2. Science in the Met Office

The Committee considered this matter.

Professor Paul Hardaker, Chief Executive, Royal Meteorological Society, Professor Ed Hill OBE, Director, National Oceanography Centre, and Professor Alan Thorpe, Director General, European Centre for Medium-Range Weather Forecasts, gave oral evidence.

3. Pre-appointment hearing with the Government’s preferred candidate for Chair of the Technology Strategy Board

The Committee considered this matter.

[Adjourned till Wednesday 2 November 2011 at 9.00am.]
Wednesday 2 November 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell                     Pamela Nash
Stephen Metcalfe                 Graham Stringer
David Morris                     Roger Williams
Stephen Mosley

1. The Government’s response to the Committee’s Report on the Forensic Science Service

The Committee considered this matter.

2. Science in the Met Office

The Committee considered this matter.

Ordered, That the following written evidence relating to Science in the Met Office be reported to the House for publication on the internet: Geoff Fulcher [MO 19].

Nick Baldwin, Independent Chairman, Public Weather Service Customer Group, Professor Sir Brian Hoskins CBE, Chair, Met Office Science Advisory Council, and Professor John Pyle, Chair, Hadley Centre Science Review Group; Phil Evans, Government Services Director, John Hirst, Chief Executive, and Professor Julia Slingo OBE, Chief Scientist, Met Office, gave oral evidence.

[Adjourned till Wednesday 9 November 2011 at 9.00am.]
Wednesday 9 November 2011

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe
Stephen Mosley
Pamela Nash

Graham Stringer
Roger Williams

1. Programme of work

The Committee considered this matter.

Resolved, That the Committee inquire into the Census and social science.

Resolved, That the Committee inquire into Risk perception and energy infrastructure.

Resolved, That the Committee inquire into Science and International Development.

Resolved, That the Committee inquire into Astronomy: Square Kilometre Array.

2. Engineering in government: follow-up

Ordered, That the following written evidence relating to Engineering in government: follow-up be reported to the House for publication on the internet: Imperial College London; Research Councils UK; Engineering the Future; Neale Thomas; and ADS [Eng 01-05].

3. Malware and Cyber-crime

The Committee considered this matter.

Dr Richard Clayton, Research Assistant, University of Cambridge, Professor Peter Sommer, Visiting Professor in the Department of Management, London School of Economics, and Dr Michael Westmacott, BCS, The Chartered Institute for IT but also representing Royal Academy of Engineering & Institution of Engineering and Technology, gave oral evidence.

4. Science in the Met Office

The Committee considered this matter.

Edward Davey MP, Minister for Employment Relations, Consumer and Postal Affairs, Department for Business, Innovation and Skills, gave oral evidence.

[Adjourned till Monday 14 November 2011 at 4.00pm.]
Monday 14 November 2011

Members present:

Andrew Miller, in the Chair

Gavin Barwell
Stephen Mosley
Pamela Nash

Graham Stringer
Roger Williams

1. UCL and the work of Dr Andrew Wakefield

The Committee considered this matter.

2. Malware and Cyber-crime

The Committee considered this matter.

Ordered, That the following written evidence relating to Malware and Cyber-crime be reported to the House for publication on the internet: PhonepayPlus [Malware 20].


[Adjourned till Wednesday 23 November 2011 at 9.00am.]
Wednesday 23 November 2011

Members present:
Andrew Miller, in the Chair
Stephen Mosley
Graham Stringer
Roger Williams

1. Government and Ofqual Responses to the Practical experiments in school science lessons and science field trips Report

The Committee considered this matter.

Draft Special Report (Practical experiments in school science lessons and science field trips: Government and Ofqual Responses to the Committee's Ninth Report of Session 2010–12), proposed by the Chair, brought up, read the first and second time, and agreed to.

The Government and Ofqual Responses to the Ninth Report, Session 2010–12, from the Science and Technology Committee, were appended to the Report.

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

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

2. Engineering in government: follow-up

Ordered, That the following written evidence relating to Engineering in government: follow-up be reported to the House for publication on the internet: Government Office for Science [Eng 00].

3. Malware and Cyber-crime

Ordered, That the following written evidence relating to Malware and Cyber-crime be reported to the House for publication on the internet: Research in Motion [Malware 21].

4. Investigating the oceans: follow-up

The Committee considered this matter.

[Adjourned till Wednesday 7 December 2011 at 9.00am.]
Wednesday 7 December 2011

Members present:
Andrew Miller, in the Chair
Stephen Metcalfe
David Morris
Stephen Mosley
Pamela Nash
Roger Williams

1. Alcohol guidelines Report

The Committee considered this matter.

Draft Report (Alcohol guidelines), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 69 read and agreed to.

Summary agreed to.

Resolved, That the Report be the Eleventh Report of the Committee to the House.

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. Engineering in government: follow-up

The Committee considered this matter.

Ordered, That the following written evidence relating to Engineering in government: follow-up be reported to the House for publication on the internet: Lifeline Fire & Safety Systems Ltd; Alistair Fergusson; and Motorsport Industry Association [Eng 06-08].

Chris Aylett, Chief Executive, Motorsport Industry Association, and Philip Greenish, Chief Executive, Royal Academy of Engineering, gave oral evidence.
3. The Census and social science

The Committee considered this matter.

Ordered, That the following written evidence relating to The Census and social science be reported to the House for publication on the internet: Julie Selwyn; Dr Eldin Fahmy; Professor Ceri Peach; Dr Peter King; C J Morris; ESRC International Centre for Life Course Studies in Society and Health; John Stillwell and Oliver Duke-Williams; David Owen; TNS-BMRB; Professor Heather Joshi; Mike Hogan; Raj Bhopal; David Truswell; Dr Julie Fish; TWRI Policy and Research; Dr James Kirkbride; Institute for Fiscal Studies; Dr Stephen Patterson; Professor Edward Higgs; Centre for Longitudinal Study Information and User Support, London School of Hygiene and Tropical Medicine; Dr Nicola Shelton; British Society for Population Studies; Dr Jennifer Mindell; NatCen; Tees Valley Unlimited; Economic and Social Research Council; Centre for Urban and Regional Development Studies, Newcastle University; Welsh Language Board; The British Library; Royal Statistical Society; British Academy; The Association of Business Schools; Royal Geographical Society (with The Institute of British Geographers); Institute for Jewish Policy Research; Suffolk County Council; Office for National Statistics; The Salvation Army; Joseph Rowntree Foundation; Professor Les Mayhew; Equality Commission for Northern Ireland; and Local Government Association [Census 01-41].

Professor David Blane, Deputy Director, ESRC International Centre for Life Course Studies, Professor Heather Joshi, President, Society for Lifecourse and Longitudinal Studies, and Professor Les Mayhew, City University, gave oral evidence.

[Adjourned till Wednesday 14 December 2011 at 9.00am.]
Wednesday 14 December 2011

Members present:

Andrew Miller, in the Chair
Stephen Metcalfe        Graham Stringer
Stephen Mosley          Roger Williams
Pamela Nash

1. Future programme

The Committee considered this matter.

Resolved, That the Committee inquire into Bridging the “valley of death”: improving the commercialisation of research.

Resolved, That the Committee take oral evidence on The disclosure of research information by universities in response to Freedom of Information requests.

2. The Census and social science

The Committee considered this matter.

Professor Tim Allen, Local Government Association, Aleks Collingwood, Joseph Rowntree Foundation, Professor David Martin, Royal Statistical Society, and Professor Phil Rees, Royal Geographical Society; Adrian Alsop, Director of Research and International Strategy, and Jeremy Neathey, Deputy Director of Policy, Economic and Social Research Council, Glen Watson, Census Director, and Peter Benton, Deputy Director, Office for National Statistics, gave oral evidence.

3. Engineering in government: follow-up

The Committee considered this matter.

Professor Sir John Beddington, Government Chief Scientific Adviser, gave oral evidence.

[Adjourned till Monday 19 December 2011 at 4.00pm.]
Monday 19 December 2011

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe
David Morris
Stephen Mosley
Roger Williams

1. Future programme

The Committee considered this matter.

2. The Forensic Science Service: Government Response

The Committee considered this matter.

Ordered, That the following written evidence relating to The Forensic Science Service: Government Response be reported to the House for publication on the internet: Letter from James Brokenshire MP, Parliamentary Under-Secretary of State for Crime Prevention, 13 December 2011.

James Brokenshire MP, Parliamentary Under-Secretary of State for Crime Prevention, Professor Bernard Silverman, Chief Scientific Adviser, Home Office, and Andrew Rennison, Forensic Science Regulator, gave oral evidence.

3. Risk perception and energy infrastructure

Ordered, That the following written evidence relating to Risk perception and energy infrastructure be reported to the House for publication on the internet: Department of Energy and Climate Change; PCAH (Parents Concerned About Hinkley); National Physical Laboratory; Royal Society of Chemistry; Professor Wade Allison; British Geological Survey; Mr Fred Dawson; Martin J Goodfellow and Adisa Azapagic; Professor Tom Horlick-Jones; Royal Statistical Society; Georges Mercadal; Nuclear Industry Association; EDF Energy; The Society for Radiological Protection; Applied Policy Sciences Unit, University of Central Lancashire; Sedgemoor District Council; The Geological Society of London; Sense about Science; Greenpeace; Energy Networks Association; and Engineering the Future [Risk 00-20].

4. Science and international development

Ordered, That the following written evidence relating to Science and international development be reported to the House for publication on the internet: Department for International Development; Dr Thomas R Shelley; Social, Technological and Environmental Pathways to Sustainability (STEPS); Met Office; National Physical Laboratory; Glasgow Centre for International Development; David Strangway; Natural Environment Research Council Centre for Ecology and Hydrology; London School of Hygiene and Tropical Medicine; Natural History
Museum; Institute of Physics; The Association of Commonwealth Universities; Commonwealth Scholarship Commission; Royal Society of Chemistry; Society of Biology; Wellcome Trust; School of Natural Sciences, University of Stirling; Academy of Medical Sciences; British Council; ESSENCE on Health Research Initiative; Health Protection Agency; British Academy; The UK Collaborative on Development Sciences; UCL Institute for Global Health; International AIDS Vaccine Initiative; Research Councils UK; Special Programme for Research and Training in Tropical Disease (TDR); Agricultural Biotechnology Council; Natural Resources Institute; The Royal Academy of Engineering, The Institution of Civil Engineers, and Engineers Against Poverty; and The Royal Society [Int Dev 00-30].

[Adjourned till Wednesday 18 January 2012 at 9.00am.]
Wednesday 18 January 2012

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe  Pamela Nash
David Morris     Graham Stringer
Stephen Mosley

1. Future programme

The Committee considered this matter.

2. Risk perception and energy infrastructure

Ordered, That the following written evidence relating to Risk perception and energy infrastructure be reported to the House for publication on the internet: Professor Nick Pidgeon, Cardiff University; and Charlotte Newall [Risk 21-22].

Andrew Bloodworth, Head of Science - Minerals and Waste, British Geological Survey, Professor Nick Pidgeon, Director of Understanding Risk Programme, Cardiff University, and Professor David Spiegelhalter, Royal Statistical Society, gave oral evidence.

3. The Census and social science

Ordered, That the following written evidence relating to The Census and social science be reported to the House for publication on the internet: HM Treasury [Census 00].


[Adjourned till Wednesday 25 January 2012 at 9.00am.]
1. Risk perception and energy infrastructure

The Committee considered this matter.

Tracey Brown, Managing Director, Sense about Science, Fiona Fox, Director, Science Media Centre, and Mark Henderson, former Science Editor, The Times, Bob Brown, Corporate Director, Sedgemoor District Council, Richard Mayson, Director of Planning and External Affairs for Nuclear New Build, EDF Energy, and Dr Rick Wylie, Executive Director, Applied Policy Sciences Unit, University of Central Lancashire, gave oral evidence.

2. Malware and cyber crime Report

The Committee considered this matter.

Draft Report (Malware and cyber crime), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 74 read and agreed to.

Summary agreed to.

Resolved, That the Report be the Twelfth Report of the Committee to the House.

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

3. Future programme

The Committee considered this matter.
Resolved, That the Committee visit Germany in connection to its inquiry into Risk perception and energy infrastructure.

[Adjourned till Wednesday 1 February 2012 at 9.00am.]
Wednesday 1 February 2012

Members present:
Andrew Miller, in the Chair
Stephen Metcalfe
Stephen Mosley
Pamela Nash
Graham Stringe
Roger Williams

1. Future programme: Voice of the Future

The Committee considered this matter.

2. Future programme: Overseas visit

The Committee considered this matter.

Resolved, That the Committee visit Eastern Africa in connection with its inquiry into Science and international development.

3. Risk perception and energy infrastructure

The Committee considered this matter.

Dr Paul Leinster, Chief Executive, Environment Agency, Dr Jill Meara, Deputy Director of the Centre for Radiation, Chemical and Environmental Hazards, Health Protection Agency, Geoffrey Podger, Chief Executive, Health and Safety Executive, and Dr Mike Weightman, HM Chief Inspector of Nuclear Installations and Executive Head of the Office for Nuclear Regulation, gave oral evidence.

4. Science and international development

The Committee considered this matter.

Professor Graham Furniss, Chair of the Africa Panel, British Academy, Professor Peter Guthrie OBE FREng, Fellow, Royal Academy of Engineering, Professor Robert Souhami CBE, Foreign Secretary, Academy of Medical Sciences, and Dr Beth Taylor, Director of Communications and External Relations, Institute of Physics, gave oral evidence.

[Adjourned till Wednesday 8 February 2012 at 9.00am.]
Wednesday 8 February 2012

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe  Pamela Nash
Stephen Mosley   Graham Stringer

1. Science in the Met Office Report

The Committee considered this matter.

Draft Report (Science in the Met Office), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 72 read and agreed to.

Summary agreed to.

Annexes A and B agreed to.

Resolved, That the Report be the Thirteenth Report of the Committee to the House.

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

2. Future programme: Visits

The Committee considered this matter.

Resolved, That Members of the Committee have leave to visit Hinckley Point Power Station, Somerset, (or an appropriate power station near members’ constituency), in a representative capacity, in connection with its inquiry into Risk perception and energy infrastructure.

3. Programme of work

The Committee considered this matter.
4. Science and international development

The Committee considered this matter.

Ordered, That the following written evidence relating to Science and international development be reported to the House for publication on the internet: Overseas Development Institute [Int Dev 31].

Professor Anthony Costello, Professor of International Child Health and Director, UCL Institute for Global Health, Dr John Kirkland, Deputy Secretary General, Association of Commonwealth Universities, Professor Melissa Leach, Director, STEPS Centre, and Professor Andrew Westby, Director, Natural Resources Institute, University of Greenwich, gave oral evidence.

[Adjourned till Wednesday 22 February 2012 at 9.00am.]
Wednesday 22 February 2012

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe            Pamela Nash
Stephen Mosley              Graham Stringer

1. Future programme

The Committee considered this matter.

2. Pre-appointment hearing with the Government’s preferred candidate for Chair of the Engineering and Physical Sciences Research Council

The Committee considered this matter.

Resolved, That the Committee would conduct a pre-appointment hearing on 7 March with Dr Paul Golby for the position of Chair of EPSRC.

3. Science and international development

The Committee considered this matter.

Dr Jo Beall, Director Education and Society, British Council, Dr Andrée Carter, Director, UK Collaborative on Development Sciences, Sir Mark Walport, Director, Wellcome Trust, and John Young, Director of Impact Assessment, Partnerships and Head of the RAPID Programme, Overseas Development Institute, gave oral evidence.

[Adjourned till Wednesday 7 March 2012 at 9.00am.]
Monday 5–Tuesday 6 March 2012

The Chairman, Stephen Mosley, Pamela Nash, Hywel Williams and Roger Williams visited Berlin in connection with the Committee’s inquiry into Risk Perception and Energy Infrastructure, in accordance with the Committee’s decision of 25 January.

Wednesday 7 March 2012

Members present:

Andrew Miller, in the Chair

Gareth Johnson  Stephen Metcalfe
Stephen Mosley  Pamela Nash
Graham Stringer  Roger Williams

1. New Members of the Committee

Gareth Johnson disclosed his interests, in accordance with the resolution of the House of 13 July 1992. (For details of declaration of interests, see Appendix.)

2. Bridging the valley of death

Ordered, That Bill Wicksteed be appointed a Specialist Adviser for matters relating to Bridging the valley of death.

3. Committee’s Future Programme

The Committee considered this matter.

4. Committee’s visit to Berlin on 5 and 6 March

The Committee considered this matter.

5. Pre-appointment hearing: Government’s Preferred candidate for Chair of the Engineering and Physical Sciences Research Council

Dr Paul Golby, Chair-elect of the Engineering and Physical Sciences Research Council, gave evidence.

Draft Report (Pre-appointment hearing: Government’s Preferred candidate for Chair of the Engineering and Physical Sciences Research Council), proposed by the Chairman, 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 1871-I.

[Adjourned till Monday 19 March 2012 at 4.00 p.m.]
JOHNSON, Gareth (Dartford)

Remunerated employment, office, profession etc

- Employed as a solicitor by Thomas Boyd Whyte Solicitors, 302 Broadway, Bexleyheath, Kent.
  Received £1,000 gross in January 2011. Hours: 6 hrs. (Registered 14 April 2011)
  Received £1,000 gross in February 2011. Hours: 6 hrs. (Registered 14 April 2011)
  Received £1,000 gross in March 2011. Hours: 6 hrs. (Registered 14 April 2011)
  Received £1,000 gross in April 2011. Hours: 6 hrs. (Registered 13 July 2011)
  Received £1,000 gross in May 2011. Hours: 6 hrs. (Registered 13 July 2011)
  Received £1,000 gross in June 2011. Hours: 6 hrs. (Registered 13 July 2011)
  Received £1,000 gross in July 2011. Hours: 6 hrs. (Registered 13 July 2011)
  Received £1,000 gross in August 2011. Hours: 6 hrs. (Registered 14 September 2011)
  Received £1,000 gross in September 2011. Hours: 6 hrs. (Registered 14 September 2011)
  Received £1,000 gross in October 2011. Hours: 6 hrs. (Registered 1 November 2011)
  Received £400 gross in November 2011. Hours: 3 hrs. (Registered 23 November 2011)
  Received £800 gross in December 2011. Hours: 5 hrs. (Registered 19 January 2012)
  Received £800 gross in January 2012. Hours: 5 hrs. (Registered 19 January 2012)
Monday 19 March 2012

Members present:

Andrew Miller, in the Chair

Caroline Dinenage  Gareth Johnson
Stephen Metcalfe  Stephen Mosley
Pamela Nash  Sarah Newton
Graham Stringer  Roger Williams

1. Matters arising

The Committee discussed the Voice of the Future event.

2. Declarations of Interest

New Members, Caroline Dinenage and Sarah Newton, were asked to declare any interests relevant to the Committee. No interests were declared

3. Risk and Energy Infrastructure

Charles Hendry MP, Minister of State for Energy, Professor David MacKay, Chief Scientific Advisor, Department of Energy and Climate Change and Hergen Haye, Head of New Nuclear, Department of Energy and Climate Change, gave evidence.

[Adjourned till Wednesday 21 March at 9.00 a.m.]
Wednesday 21 March 2012

Members present:

Andrew Miller, in the Chair

Caroline Dinenage  Gareth Johnson
Stephen Metcalfe  Stephen Mosley
Pamela Nash  Sarah Newton
Graham Stringer  Hywel Williams
Roger Williams

1. Future Programme

The Committee discussed how best to follow-up the Voice of the Future event.

2. Discussion on Risk and Energy Infrastructure inquiry

The Committee discussed the key themes of the inquiry.

3. Bridging the Valley of Death: special advisor

The special advisor for the Bridging the Valley of Death inquiry briefed the Committee on the main issues to be addressed.

[Adjourned till Wednesday 18 April at 9.00 a.m.]
Wednesday 18 April 2012

Members present:

Andrew Miller, in the Chair

Caroline Dinenage          Gareth Johnson
Stephen Metcalfe          Stephen Mosley
Pamela Nash               Sarah Newton
Graham Stringer           Hywel Williams
Roger Williams

1. Future Programme

The Committee considered this matter.

2. Government response to Alcohol Guidelines report

The Committee considered this matter.

3. Bridging the Valley of Death

The Committee considered this matter.

Professor Luke Georghiou, University of Manchester; Dr Paul Nightingale, University of Sussex (SPRU), and Exeter Business School; David Connell, University of Cambridge; Dr Douglas Robertson, PraxisUnico and Dr Ted Bianco, Wellcome Trust; Dr Ian Tomlinson, GlaxoSmithKline; Dr David Tapolczay, Medical Research Council Technology; Dr Gareth Goodier, Shelford Group; Dr Andy Richards, biotechnology entrepreneur and business angel.

[Adjourned till Wednesday 25 April at 9.00 a.m.]
Wednesday 25 April 2012

Members present:

Andrew Miller, in the Chair

Stephen Metcalfe          Stephen Mosley
Pamela Nash               Sarah Newton
Graham Stringer           Hywel Williams
Roger Williams

1. Future Programme

The Committee considered this matter.

2. Engineering in Government

Draft Report (Engineering in government: follow-up to the 2009 report on Engineering: turning ideas into reality), proposed by the Chair, brought up and read.

Ordered, That the draft Report be read a second time, paragraph by paragraph.

Paragraphs 1 to 19 read and agreed to.

Resolved, That the Report be the Fifteenth Report of the Committee to the House.

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

Ordered, That embargoed copies of the Report be made available, in accordance with the provisions of Standing Order No. 134.

Written evidence was ordered to be reported to the House for placing in the Library and Parliamentary Archives.

3. Bridging the Valley of Death

The Committee considered this matter

Katie Potts, Herald Investment Management, Anne Glover, Amadeus Capital Partners Ltd, Matthew Bullock, Stephen Welton, Business Growth Fund (at 10.25am) Dr. Richard Worswick, Cobalt Light Systems, Dr. Peter Dean, Cambio, Dr. Trevor Francis, Technical Director, Byotrol Technology Ltd, gave evidence.

[Adjourned till Wednesday 23 May at 9.00 a.m.]