

British Society for the History of Science – Annual Meeting

Thursday, July 14th 2011 to Sunday, July 17th 2011

University of Exeter

Thursday 14<sup>th</sup> July

10:30            Registration  
                    Book Exhibition

1:00             Lunch (Margaret Rooms)

Session 1: Thursday 14<sup>th</sup> July, 14:30 – 16:00

14:30 – 16:00    **1A: *Visualization***  
                         Queen's, Lecture Theatre 4

**Objects without status – pictures without purpose. The organisation and visualisation of Middle Eastern archaeological findings in 19th century Europe**

Mirjam Brusius  
*University of Cambridge*

**Revisiting Charles Bell's Medical Images: A Plurality of Representative Practices**

Chiara Ambrosio and Brendan Clarke  
*University College, London*

**Strategies of Visualization – Images in 19<sup>th</sup> Century German Classical Archaeology**

Stefanie Klamm  
*Humboldt University Berlin*

**1B: *Nineteenth-Century Physical Sciences***

Queen's, Seminar Room E

**Michael Faraday's concept of mass and particle**

Kenichi Natsume  
*Kanazawa Institute of Technology*

**How the electric telegraph sparked lively debate between scientists and engineers**

Charlotte Connelly  
*The Science Museum*

**Communities and communications: the Institution of Electrical Engineers and wireless telegraphy, 1899-1907**

Elizabeth (Liz) Bruton  
*University of Leeds*

**Controlling the atmosphere: discipline and protocol in the installation of the Kew divided-ring electrometer**

Daniel Jon Mitchell  
*University of Hong Kong*

**1C: Past, Present & Future**  
Queen's, Seminar Room F

**The missing narrativist turning in historiography of science**

Jouni-Matti Kuukkanen  
*University of Leiden*

**A Plurality of Presentisms**

Thomas Bunce  
*Durham University*

**What can the history of science tell us about its future?**

Ian James Kidd  
*Durham University*

16:00 – 16:30 Coffee (Margaret Rooms)

**Session 2: Thursday 14<sup>th</sup> July, 16:30 – 18:00**

16:30 – 18:00 **Plenary Session**  
Queen's, Lecture Theatre 1

***The Devonion: A story of a county, a controversy, and the earth's deep history***

Martin Rudwick  
*University of Cambridge*

18:00 – 1:00 Cash Bar (Holland Hall)

19:30 – 22:00 Standard Conference Dinner (Holland Hall)

**Friday, July 15<sup>th</sup>**

**Session 3: Friday 15<sup>th</sup> July, 9:00 – 10:30**

9:00 – 10:30 **3A: Methods & Resources**  
Queen's, Lecture Theatre 4

**Fireballs and earthquakes- Science and the media in nineteenth century Greece'**

Konstantinos Tampakis  
*University of Athens/National Hellenic Research Foundation*

**Scientific records in local archives**

John Draisey  
*Devon Record Office*

**Stories about science as folklore: Giving meaning to applied science in the 19<sup>th</sup> century**

Robert Bud  
*The Science Museum*

**3B: Patients & Professionals**  
Queen's, Seminar Room D

**The ‘revolving door patient’: key factors influencing readmissions to mental health hospitals in southern England**

Nicole Baur and Joseph Melling  
*University of Exeter*

**Beds, Beef Tea and Boundaries: Aftercare in Nineteenth Century Abdominal Surgery**

Sally Frampton  
*Wellcome Trust Centre for the History of Medicine*

**Medical professionalisation, history and interdisciplinarity: problems for the present**

Victoria Blake  
*Durham University*

**3C: *Global Perspectives***

Queen’s, Seminar Room E

**From *Modino’s Cure* to *Lecithin Treatment*: Mechanics of opiate detoxification and withdrawal management in the state sponsored mass treatment scheme for opium addicts in Assam.**

Kawal Deep Kour  
*Indian Institute of Technology*

**United States Empire and Tropical Science on Barro Colorado Island, Panama, 1916-1940**

Robin Wolfe Scheffler  
*Yale University*

**Communication of Evolution and Public Mobilization in China**

Yang Haiyan  
*Peking University*

**3D: *Human Sciences***

Queen’s, Seminar Room F

**“We Cannot Be Greek Now”: Havelock Ellis, John Addington Symonds and the Significance of Age Difference and Class Difference in the Making of *Sexual Inversion***

Jana Funke  
*University of Exeter*

**The origin of man and the public: the sciences of man at the BAAS, 1866-1870**

Juan Manuel Rodriguez Caso  
*University of Leeds*

**The Ethnology of Robert Knox**

Efram Sera-Shriar  
*University of Leeds*

10:30 – 11:00 Coffee (Margaret Rooms)

**Session 4: Friday 15<sup>th</sup> July, 11:00 – 13:00**

11:00 – 13:00 **4A: *Where were they?: The science and culture of Extraterrestrial Intelligence 1945-1975***

Queen’s, Lecture Theatre 4  
Organizer: Robert Poole

**Written in the Stars: UFOs over Europe and the Quest for Transcendence in Space, 1947-1977**

Alexander C.T. Geppert  
*Freie Universität Berlin*

**The Drake Equation: Cultural Origins of the Scientific Belief in Extraterrestrial Intelligence**

Robert Poole  
*University of Cumbria*

**Of Dolphins and CETI: John C. Lilly and the Intelligent Universe**

Thore Bjørnvig  
*Kroppedal Museum, Copenhagen*

**Inscribing scientific knowledge: NASA's Pioneer plaque and the history of interstellar communication, 1957-1972**

William R Macauley  
*Freie Universität Berlin*

**4B: Joseph Rotblat – a nuclear physicist in the public eye 1944-1957**

**Queen's, Seminar Room D**  
Organizer: Christopher Watson

**How Józef Rotblat left Los Alamos**

Andrew Brown  
*Harvard University*

**Joseph Rotblat's return to Liverpool University, the Chadwicks and development of nuclear physics in the UK**

Martin Underwood  
*University of Cambridge*

**Sir Joseph Rotblat and the Atomic Train: an early nuclear awareness-raising exercise and its echoes today**

John Finney and Carol Naughton  
*University College London and WMD Awareness Programme*

**Joseph Rotblat's involvement in the founding of the Pugwash movement**

Sandra Ionno Butcher  
*Pugwash Conferences on Science & World Affairs*

**4C: "Impossible Experiments" in Early Modern Europe**

**Queen's, Seminar Room E**  
Organizer: Karin Ekholm

**The Protean Vegetable Phoenix: Reports of Palingenesis in Seventeenth-century Europe**

Karin Ekholm  
*University of Cambridge*

**Scrofula, Sin and Miracles: Debating the Royal Touch during the Stuart Restoration**

Stephen Brogan  
*Birkbeck*

**Optatives and the Epistemic Potential of Impossibilities**

Vera Keller

*University of Southern California*

**Witnessing alchemical transmutation in early modern England**

Jennifer Rampling

*University of Cambridge*

**4D: Nineteenth-Century Science in the Press**

Queen's, Seminar Room F

**The read planet: Mars, New Journalism and Richard Proctor's case for "science as a means of culture"**

Joshua Nall

*University of Cambridge*

**After Tyndall: Science, Religion and the Bristol Meeting of the British Association**

Ciaran Toal

*Queen's University Belfast*

**The Changing Faces of Science in Punch 1859-90**

Samuel Robinson

*University of Manchester*

**Reconsidering the Huxley v. Wilberforce Debate**

Nanna Kaalund

*Aarhus University/ University of Leeds*

13:00 – 14:30 Lunch (Margaret Rooms)

**Session 5: Friday 15<sup>th</sup> July, 14:30 – 16:00**

14:30 – 16:00 **5A: *Health in the Laboratory***  
Queen's, Lecture Theatre 4

**Lance Armstrong, Floyd Landis, and the "Doper's Regress" in Pro Cycling**

David Roth Singerman

*MIT*

**Noxious Chemical Vapours in the 19<sup>th</sup> Century: The Missing Public Health Link**

Peter Reed

*BSHS*

**Will it kill the germs? Approaches to testing disinfectant effectiveness in Britain, 1850-1914.**

Rebecca Whyte

*University of Cambridge*

**5B: *Negotiating Controversy: ethics and objectivity from the curator's perspective***

Queen's, Seminar Room D

Organizer: Helen Wakely

**Shaping and possessing knowledge: my virtual relationship with Francis Crick**

Helen Wakely

*Wellcome Library*

**A Fit and Proper Person?: Galton, eugenics and University College London**

Natasha McEnroe  
*University College London*

**Maurice Wilkins (1916-2004): The invisible man of the Double Helix**

Chris Olver  
*King's College London*

**5C: *Mixed Mathematics***

**Queen's, Seminar Room E**

**'[T]heir mathematics and navigation may be well enough but they have not had the opportunity of becoming seamen': sailors and tacit knowledge in early nineteenth-century naval architecture**

Don Leggett  
*University of Kent*

**Vernacular geometry: between the senses and reason**

Katie Taylor  
*Cambridge University, Department of History and Philosophy of Science*

**The Meteorological Crusade: Organising Science in the Early Nineteenth Century**

Simon Naylor  
*University of Exeter*

**5D: *Observation in the Eighteenth-Century***

**Queen's, Seminar Room F**

**Early modern astrology represented in Spanish Golden Age theatre plays. The case of the play 'The fake astrologer'**

Tayra Lanuza  
*Chemical Heritage Foundation*

**Changing attitudes towards astrology: a comparison between the Royal Society and the Regia Sociedad of Seville in the beginning of the eighteenth century**

Jesus M. Galech  
*Universitat Autònoma de Barcelona*

**The body under the lens: the problem of observing blood under the microscope in the Late Eighteenth Century**

Jed Foland  
*Oxford University*

16:00 – 16:30 Coffee (Margaret Rooms)

**Session 6: Friday, 15<sup>th</sup> July, 16:30 – 18:00**

16:30 – 18:00 ***Plenary Session***  
**Streatham Court, Lecture Theatre A**

***"The Twilight Zone": Reflections on the history of science and medicine***

Mark Jackson  
*University of Exeter*

- 18:00 – 19:30 Reception (Streatham Court, Lecture Theatre A)
- 18:00 – 1:00 Cash Bar (Holland Hall)
- 19:30 – 22:00 Standard Conference Dinner (Holland Hall)

**Saturday 16<sup>th</sup> July**

**Session 7, Saturday 16<sup>th</sup> July, 9:00 – 10:30**

9:00 – 10:30 **7A: *Evolution***  
**Queen's, Lecture Theatre 4**

**Unconscious memory and Germ-Plasm theory: Two alternatives to Darwinian evolution**

Cristiano Turbil  
*University of Kent*

**Paracelsus to Darwin: the migration of transmutation**

Brian Regal  
*Kean University*

**Peirce contra Spencer: Extending the Objections to Lamarck and Darwin**

David R. Crawford  
*Duke University*

**7B: *New perspectives on the Board the Longitude, 1714-1828***

**Queen's, Seminar Room D**  
Organizer: Rebekah Higgitt

**Redefining the early nature and nomenclature of the 'Board of Longitude'**

Alexi Baker  
*University of Cambridge*

**The 1818 Longitude Act: a watershed in government funding for science?**

Rebekah Higgitt  
*National Maritime Museum*

**Thomas Young and the end of the Board of Longitude**

Sophie Waring  
*University of Cambridge*

**7C: *Twentieth-Century Physics***

**Queen's, Seminar Room E**

**Big Science, Little Science: the origin of radio astronomy**

Astrid Elbers  
*Leiden University*

**'A Conservative Attitude'? Continuity, discontinuity and the contested rise of 'modern physics'**

Imogen Clarke  
*University of Manchester*

**Was the Gluon Discovered in 1979?**

Martin Counihan  
*University of Southampton*

**7D: *Early Modern Medicine***  
Queen's, Seminar Room F

**Medicine in early modern England: pharmacology, technology and the Galenic tradition**

Lisa Jarman  
*University of Exeter*

**Hippocrates to Harvey: A history of the Circulatory System**

Arif Khokhar  
*Oxford University*

**Medical ideas in Francis Bacon's natural histories**

Doina-Cristina Rusu  
*University of Bucharest*

10:30 – 11:00 Coffee (Margaret Rooms)

**Session 8, Saturday 16<sup>th</sup> July, 11:00 – 12:30**

11:00 – 12:30 **8A: *Farmers' expertise and the 20th century transformation of agriculture***

Queen's, Lecture Theatre 4  
Organizer: Abigail Woods

**From laboratory science to farmyard practice: New agricultural technology in mid-twentieth century Britain**

Paul Brassley  
*Exeter University*

**Rethinking the history of modern agriculture through the nature, production and sentience of the pig, c1910-65.**

Abigail Woods  
*Imperial College*

**Breeding for Nobility or for Production?: Cultures of Dairy Cattle Breeding in The Netherlands 1945-1995**

Bert Theunissen  
*Utrecht University*

**8B: *Earth and Sea Under Surveillance: security, oceanography and petroleum geology in Cold War contexts***

Queen's, Seminar Room E  
Organizer: Leucha Veneer

**Science, geopolitics, and oceanography in the Nordic countries during the early Cold War**

Peder Roberts  
*University of Strasbourg*

**Sword, Shield and Buoys: Exploring the History of the NATO Sub-Committee on Oceanographic Research, 1959-1973**

Simone Turchetti  
*University of Manchester*

**Oil Security and the North Sea: British and Norwegian Explorations in the 1960s**

Leucha Veneer  
*University of Manchester*

**The emergence of transnational systems of radioactivity monitoring**

Néstor Herran  
*University of Strasbourg*

**8C: The Public History of Science, Technology and Medicine: Initiatives, potential, problematics**

Queen's, Seminar Room F

**Re-Visualizing Victorian Physics**

Iwan Rhys Morus  
*Department of History and Welsh History, Aberystwyth University*

**CSI Grandma : Talking to the Public about the History of Medicine**

Sabine Clarke  
*Department of History, University of York*

12:30 – 13:30 Lunch (Margaret Rooms)

**Session 9, Saturday 16<sup>th</sup> July, 13:30 – 15:00**

13:30 – 15:00 **9A: *Applying Chemistry***  
Queen's, Lecture Theatre 4

**Pulp and paper science for the nation**

Gordon Dadswell  
*University of Melbourne*

**The Development of Forensic Chemistry in the UK (1900-1950)**

Alison Adam  
*University of Salford*

**Professors in the brewhouse: workplace and laboratory knowledge in the early nineteenth century**

James Sumner  
*University of Manchester*

**9B: *Epidemiology***

Queen's, Seminar Room D

**Theobald Smith (1859-1934) and the "law of declining virulence": Shifting perspectives on the evolution of disease – 1880-1980.**

Pierre-Olivier Méthot  
*University of Exeter and IHPST, Université Panthéon-Sorbonne*

**Between *The Field* and the Laboratory: Virologists, Veterinarians, and Dog Distemper in the Making of Medical Science in Interwar Britain.**

Michael Bresalier  
*University of Manchester*

**“A national matter”: malariology in Portugal in the 1930s**

Monica Saavedra  
*Centro em Rede de Investigação em Antropologia (CRIA)*  
*ISCTE-IUL Instituto Universitário de Lisboa*

**9C: *Writing Popular Science***  
**Queen’s, Seminar Room E**

**Publishing Faraday’s Candle.**

Frank James  
*Royal Institution*

**‘Fairy Miners’: Robert Hunt and the Spirits of Nature**

Melanie Keene  
*University of Cambridge*

**Predatory poetry and the development of nineteenth century natural sciences**

David Allan Feller  
*University of Cambridge*

**9D: *Doing Oral History: The Children of Craig-y-nos Project***

**Queen’s, Seminar Room F**  
Carole Reeves  
*The Wellcome Trust Centre for the History of Medicine at UCL*

15:00 – 15:30 Coffee (Margaret Rooms)

**Session 10, Saturday 16<sup>th</sup>, 15:30 – 17:00**

15:30 – 17:00 **10A: *Moving, Projected and Magical Images 1780-1914***

**Queen’s, Lecture Theatre 4**  
Sabine Clarke and John Plunkett  
*University of York, University of Exeter*

**10B: *Attributing Meanings***  
**Queen’s, Seminar Room D**

**The Radium Committee of the Royal Society and the changing role of radium in the 20th Century**

Neil Todd  
*University of Manchester*

**Political Neurons: Visualization of the Functional Brain and the Economies of Order in 19th Century Spain and the United Kingdom**

Nuria Valverde Pérez  
*Universidad Autónoma Metropolitana - Unidad Cuajimalpa*

**Combing historical texts, experiments and games – Teaching proposal for the exploration of a 19<sup>th</sup> century early electricity collection**

Flora Paparou  
*University of Athens*

**10C: *Early Modern Animals*  
Queen's, Seminar Room E**

**'Alexanders to find out Aristotles': comparative anatomy, patronage and institutional science in England and France in the late seventeenth century**

Noah Moxham  
*Queen Mary, University of London*

**'It is indeed a thing ominous for a Toad to be born of Woman': Taking experimental frogs and toads seriously**

Charlotte Sleigh  
*University of Kent*

**The Art of Science: a Rediscovery of the Lister Copperplates**

Anna Marie Roos  
*University of Oxford*

**10D: *Being There: History-of-Science Site Visits in Methodological Perspective*  
Queen's, Seminar Room F**

**History on Foot: Pedagogy for Learning on the Go**

Joe Cain  
Department of Science and Technology Studies, University College London

**Re-Treading Historic Geological Fieldwork and why it's worth the trouble**

Martin Rudwick  
*University of Cambridge*

**History on Foot: Pedagogy for Learning on the Go**

Dr Joe Cain  
*University College London*

**Demonstration of BSHS Travel Guide**

Elizabeth (Liz) Bruton  
*University of Leeds*

**Session 11, Saturday 16<sup>th</sup>, 17:30 – 18:30**

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|---------------|---|
| 17:30 – 18:30 | <b>Queen's, Lecture Theatre 1</b><br><b><i>Presidential Address</i></b><br>Sally Horrocks |
| 18:00 – 1:00  | Cash Bar (Holland Hall)   |
| 19:30 – 22:00 | Standard Conference Dinner (Holland Hall)   |

Sunday, 17<sup>th</sup> July

Session 12, Sunday 17<sup>th</sup> July 9:00 – 10:30

9:00 – 10:30     **12A: *Subjects and objects in early-modern science and medicine***  
Queen's, Lecture Theatre 4  
Organizer: Elizabeth Hallam

**Three artists, two poets and a king: Portraits of patients in early-modern England**  
Douglas James  
*King's College London*

**Invention, imitation and the consumption of print: How one 18<sup>th</sup>-century instrument-maker used his books**  
Florence Grant  
*King's College London*

**The anatomy of a holy man**  
Sophie Mann  
*King's College London*

**12B: *Laboratories***  
Queen's, Seminar Room D

**How ribozymes helped cast RNA in the roles of both chicken and egg in origins-of-life theories**  
Neeraja Sankaran  
*American University in Cairo*

**Drunken animals: the problem of choice in laboratory studies of addiction.**  
Edmund Ramsden  
*E.Ramsden@exeter.ac.uk*

**Analysis of Variance, Experimental Design and the Shaping of the Lab-Field Border in Agriculture and Biology at Rothamsted Experimental Station**  
Giuditta Parolini  
*University of Bologna*

**12C: *Technology in Palaeontology***  
Queen's, Seminar Room E

**From hammer and chisel to PaleoTools Microjack #1: a history of twentieth century paleontological laboratory practice**  
Caitlin Donahue Wylie  
*University of Cambridge*

**Reconstructing *Sinanthropus pekinensis*: An Evolutionary Icon in an International Perspective, 1920-1950**  
Chris Manias  
*University of Bristol*

**Geology and technology: Man's place in the history of the earth**  
Allison Ksiazkiewicz  
*University of Cambridge*

**12D: *Early Modern Physical Sciences***  
**Queen's Seminar F**

**Robert Boyle on Principles, Powers, and Petrification**

Ashley Inglehart  
*University of Indiana*

**Conceptual Change in the History of Science. *Methodological and Theoretical Reflections***

Irene Goudarouli  
*University of Athens*

**The Contextual Masks**

Babu Thaliath  
*Humboldt University Berlin*

10:30 – 11:00 Coffee (Margaret Rooms)

**Session 13, Sunday 17<sup>th</sup> July, 11:00 – 13:00**

11:00 – 13:00 **13A: *Electrical practices and the Victorian Telegraph Business***

**Queen's, Lecture Theatre 4**

Organizer: Richard Noakes

**'Electrical Science and Engineers' Specifications: The Adoption of Electrical Standards in Cable Telegraphy'**

Bruce Hunt  
*University of Texas at Austin,*

**Dr. Wildman Whitehouse and his 'Iron Oscillograph': Electrical Measurements Relating to the First Transatlantic Telegraph Cable**

Allan Green  
*University of Leeds*

**Maintaining the Nineteenth-Century Telegraph Cable System**

John Moyle  
*Porthcurno Telegraph Museum*

**Rethinking British Industrial Research and Development: the Case of the Eastern and Associated Telegraph Companies**

Richard Noakes  
*University of Exeter*

**13B: *The Business of Botany***

**Queen's, Seminar Room D**

**Daniel Solander – the scientist remembered for his manuscript boxes**

Joan Price  
*University of Exeter*

**Carl Linnaeus's *Materia Medica***

Isabelle Charmantier  
*University of Exeter*

**Newtonian vegetables and perceptive plants**

Susannah Gibson  
*University of Cambridge*

**Aesthetic Enlightenments: Selling Natural Knowledge in the Late Eighteenth Century**

Sarah Easterby-Smith  
*European University Institute*

**13C: Science, State and Planning**

Queen's, Seminar Room E

**Planning Eutopia: Lewis Mumford's Sociological Work in the 1920**

Richard C Gunn  
*University of Leeds*

**Henry Dale and the New Jerusalem: The Red Flag at the Royal Society (1940-51)**

Jenny Goodare  
*University of Manchester*

**The Ambiguous Role of the Chief Scientific Adviser, 1940-1971**

James Goodchild  
*University of Exeter*

**Physics, culture, and politics in Franco's Spain**

Xavier Roqué  
*University of Cambridge*

**13D: Physical Sciences & the Public**

Queen's, Seminar Room F

**Community, Style, and the Gas Turbine**

Jakob Whitfield  
*University of Manchester*

**Phantasmagoric images: X-Rays and the aesthetic of its reception**

Margarida Medeiros  
*Universidade Nova de Lisboa*

**Exorcising the "Radio Ghost": Experiencing the sound of early radio**

Alison Hess  
*The Science Museum*

**On the boundary of linearity: The split between basic and applied research in Sweden in the 1940s**

Ingemar Pettersson, Katarina Larsen and Sverker Sörlin  
*The Royal Institute of Technology, Sweden*

13:00

Lunch (Margaret Rooms)