

Conference Programme

* denotes a session or event organiser.

Thursday 28 June

13.00	Registration opens		
15.15-16.00	OLD DINING HALL		
	BSHS Extraordinary General Meeting 2007		
16.00-18.00	OLD DINING HALL	LIBRARY	JCR
	<p>1A. Cultures of domestic chemistry <i>Chair: Sophie Forgan, University of Teesside</i> <i>Commentator: David Knight, University of Durham, UK</i></p> <p>* Melanie Keene <i>University of Cambridge, UK</i> Making chemistry your cup of tea: early Victorian household education</p> <p>Charlotte Nicklas <i>University of Brighton, UK</i> Supplying the wants of capricious fashion: chemistry, language, and women's dress in mid-nineteenth century periodicals</p> <p>Salim al-Gailani <i>University of Cambridge, UK</i> Cultures of magic, science and masculinity in twentieth-century toy chemistry sets</p>	<p>1B. Knowledge circulation and Empire <i>Chair: Sabine Clarke, University of Oxford, UK</i></p> <p>Alexandra Cook <i>University of Hong Kong, China</i> Early-modern European 'linguistic imperialism' in botany: the case of Chinese plants</p> <p>Palmira Fontes da Costa <i>Universidade Nova de Lisboa, Portugal</i> The circulation of botanical and medical knowledge from Portuguese Asia to Europe in the sixteenth century</p> <p>Pedro Lau Ribeiro and Isabel Amaral <i>Universidade Nova de Lisboa, Portugal</i> First steps in Portuguese tropical medicine: from Naval School to Lisbon School of Tropical Medicine (1887-1902)</p> <p>Rebekah Higgitt <i>University of Edinburgh, UK</i> Picnicking overseas: the British Association meetings in Canada, South Africa and Australia, 1884-1929</p>	<p>1C. Serotherapy: stabilising, scaling up, and shaping the market <i>Chair: Carsten Timmermann</i></p> <p>Ulrike Klöppel <i>Institut für Geschichte der Medizin, Charité, Berlin, Germany</i> Enacting cultural boundaries in French and German diphtheria serum research</p> <p>Axel Hüntelmann <i>University of Heidelberg, Germany</i> Networking guinea pigs, mice and horses: the state regulation of vaccines and sera in Germany</p> <p>* Jonathan Simon <i>Université Claude Bernard Lyon-1, France</i> Managing a modern medico-microbiological monopoly</p> <p>Volker Hess <i>Institut für Geschichte der Medizin, Charité, Berlin, Germany</i> In Pasteur's shadow: the production and control of diphtheria antitoxin sera outside Paris</p>
18.00-19.30	DINING HALL		
	<i>Dinner at Hulme Hall</i>		
19.30-20.30	OLD DINING HALL		
	<p>CHSTM PLENARY Look local, think configurations: Manchester's history and science</p> <p>John Pickstone <i>Centre for the History of Science, Technology and Medicine, University of Manchester</i></p>		

Friday 29 June

07.30-09.00	<i>Breakfast</i>		
09.00-10.30	<p style="text-align: center;">JCR</p> <hr/> <p>2A. Standards, connections and signals <i>Chair: Graeme Goody, University of Leeds, UK</i></p> <p>Neil Barton <i>University College London, UK</i> The role of Manchester in creating the network society: the electric telegraph, 1847-1867</p> <p>Aashish Velkar <i>London School of Economics, UK</i> Scientific societies, industry associations and the emergence of the British standard wire gauge, c1883</p> <p>James Sumner <i>University of Manchester, UK</i> When is a PC not a PC? Computers, standards, compatibility and diversity</p> <p>Thomas Haigh <i>University of Wisconsin-Milwaukee, USA</i> Missing links: the development of the search engine and portal industry</p>	<p style="text-align: center;">LECTURE THEATRE</p> <hr/> <p>2B. Scientific careers and scientific ‘manpower’ in Britain after 1945 <i>Chair: Viviane Quirke, Oxford Brookes University, UK</i></p> <p>Gerrylynn Roberts and Robin Mackie <i>Open University, UK</i> Audit of chemists: scientific careers in postwar Britain</p> <p>Matthew Godwin <i>Lancaster University, UK</i></p> <p>Brian Balmer <i>University College London, UK</i></p> <p>Jane Gregory <i>University College London, UK</i> The Anatomy of the 1960s ‘Brain Drain’ debate in the UK</p> <p>* Sally Horrocks <i>University of Leicester, UK</i> ‘Calm Genius of Laboratory and Home?’ Women scientists in Britain, 1940s-1960s</p>	<p style="text-align: center;">SEMINAR ROOM</p> <hr/> <p>2C. Episodes in the history of speciation mechanisms <i>Chair: Greg Radick, University of Leeds, UK</i></p> <p>Fern Elsdon-Baker <i>University of Leeds, UK</i> Darwinism and the ever-changing definitions of the ‘inheritance of acquired characteristics’</p> <p>* Andy Hammond <i>Independent scholar</i> JBS Haldane and speciation: not a beanbag but a full bag</p> <p>Joe Cain <i>University College London, UK</i> An epistemic community glued together: evolutionary studies in the 1930s</p>
10.30-11.00	<i>Coffee</i>		
11.00-12.00	<p style="text-align: center;">LECTURE THEATRE</p> <hr/> <p>3A. Collecting in the twenty-first century <u>METHODS AND RESOURCES</u> <i>Chair: Sam Alberti, University of Manchester, UK</i></p> <p>Anna-K Mayer <i>National Cataloguing Unit for the Archives of Contemporary Scientists, University of Bath, UK</i> How to collect</p> <p>Robin Holgate <i>Museum of Science and Industry, Manchester, UK</i> Collecting and presenting Manchester science in the twenty-first century</p>	<p style="text-align: center;">JCR</p> <hr/> <p>3B. Surprising continuities in the history of chemistry <i>Chair: Bill Brock, University of Leicester, UK</i></p> <p>Georgette Taylor <i>University College London, UK</i> Bergman, Berzelius and the blowpipe: Continuity and incommensurability</p> <p>* Hasok Chang <i>University College London, UK</i> The persistence of phlogiston</p> <p>John R R Christie <i>University of Leeds, UK</i> Continuity and discontinuity in chemistry: Some nineteenth-century historical perceptions</p> <p>* Anna Simmons <i>Open University, UK</i> Aperients, alembics and alkaloids: continuity and change in the daily activities of London apothecaries, circa 1770-1830</p> <p>Catherine Jackson <i>University College London, UK</i> Making substances speak: the public and private voices of Justus Liebig’s organic chemistry</p>	<p style="text-align: center;">SEMINAR ROOM</p> <hr/> <p>3C. Veterinary sciences <i>Chair: Ruth Barton, University of Auckland, New Zealand</i> <i>Commentator: Michael Worboys, University of Manchester, UK</i></p> <p>Andrew Gardiner <i>University of Manchester, UK</i> British veterinary medicine in the twentieth century: the rise and rise of small animal practice</p> <p>* Abigail Woods <i>Imperial College London, UK</i> Reforming the profession: veterinary expertise and etiquette in nineteenth-century England</p> <p>Marion Thomas <i>Université Paris 7, France</i> Science, religion and politics: the construction of expertise on cattle plagues in pre-revolutionary France</p> <p>Delphine Berdah <i>Cermes/CNRS/Ebess, Paris, France</i> Constructing veterinary expertise on contagious animal diseases in France in the early twentieth century</p>
12.00-13.00	<p style="text-align: center;">LECTURE THEATRE</p> <hr/> <p>Fifty years of the Lovell Telescope <u>WITNESS PERSPECTIVE</u> Ian Morison <i>Jodrell Bank Observatory, Manchester, UK</i> Jodrell Bank’s famous large telescope was inaugurated in 1957. Ian Morison offers an insider’s account of life behind (and beneath) an icon of Britain’s postwar technological identity and status.</p>		

Friday 29 June (continued)

13.00-14.00	<i>Lunch</i>		
14.00-15.30	<p style="text-align: center;">SEMINAR ROOM</p> <hr/> <p>4A. 'What most scientists do': scientists working in industry in the twentieth century <i>Chair: Gerrylynn Roberts, Open University, UK</i></p> <p>Robert Bud <i>Science Museum, London, UK</i> Caesura or continuity across the Second World War: a comparative study of biomedicine in two eras</p> <p>* Colin Hempstead <i>Independent scholar</i> A 'tyro' and infra-red fuses: 'And they had three Cossor double beam oscilloscopes'</p> <p>Viviane Quirke <i>Oxford Brookes University, UK</i> Chemists and biologists in ICI's Pharmaceutical Division circa 1936-1980, or the changing scientific culture(s) of a British pharmaceutical firm</p>	<p style="text-align: center;">JCR</p> <hr/> <p>4B. Frameworks of thought and belief <i>Chair: Peter Bowler, Queen's University Belfast, UK</i></p> <p>Sophie Weeks <i>University of Cambridge, UK</i> 'A sublime wisdom': Francis Bacon on the Persian magic</p> <p>Larissa Johnson <i>University of New South Wales, Australia</i> The dynamics of natural theological discourse: reconsidering the Cambridge Platonists</p> <p>Emmanuel d'Hombres <i>UMR CNRS REHSEIS, France</i> Therapeutic nihilism and administrative nihilism</p>	<p style="text-align: center;">LECTURE THEATRE</p> <hr/> <p>4C. Self-fashioning and scientific communication in the nineteenth century <i>Chair: Aileen Effe, National University of Ireland Galway</i></p> <p>Alice Jenkins <i>University of Glasgow, UK</i> 'Enjoyment which the vulgar cannot conceive': Michael Faraday's literary taste</p> <p>Emily Winterburn <i>Royal Observatory, Greenwich, UK</i> Manchester, Cambridge and Slough: or how John Herschel became a man of science</p> <p>Nicola Gauld <i>Fitzwilliam Museum, Cambridge, UK</i> 'What is meant by this system?' Charles Darwin and the visual re-ordering of nature</p>
15.30-16.00	<i>Coffee</i>		
16.00-17.30	LECTURE THEATRE		
	<p><u>BSHS AT 60</u></p> <p>Past, present and future Plenary discussion featuring former BSHS presidents Bill Brock, John Hedley Brooke, Geoffrey Cantor and David Knight <i>Chair: Sally Horrocks, University of Leicester, UK</i></p>		
18.00-19.00	KANARIS LECTURE THEATRE, MANCHESTER MUSEUM		
	<p><u>BSHS PRESIDENTIAL ADDRESS</u></p> <p>Putting history of science to use: Michael Faraday in the twentieth century Frank James <i>Royal Institution; President, British Society for the History of Science</i></p>		
19.00-20.00	MAMMALS GALLERY, MANCHESTER MUSEUM		
	<i>Drinks Reception</i>		
20.00	<i>Dinner</i>		

Saturday 30 June

07.30-09.00	<i>Breakfast</i>		
09.00-10.30	JCR	SEMINAR ROOM	LECTURE THEATRE
	<p>5A. Francophone theory and practice in the long eighteenth century <i>Chair: John Christie, University of Leeds, UK</i></p> <p>Hugues Chabot <i>Université Lyon 1, France</i> Anti-Newtonians on the Continent in the late eighteenth century: an alternative scientific practice?</p> <p>Alexi Shannon Baker <i>University of Oxford, UK</i> Immigration, religion and the instrument trade in eighteenth century London</p> <p>Christine Aicardi <i>University College London, UK</i> Experimentalism at the Paris Institution for Deaf-Mutes, 1760-1830</p>	<p>5B. Geographies of medicine <i>Chair: Tim Boon, Science Museum, UK</i></p> <p>Jonathan Reinarz <i>University of Birmingham, UK</i> Knowing your place: the importance of place in Second City medicine</p> <p>Nicole Baur <i>University of Exeter, UK</i> Immunisation put in place: vaccine uptake rates in Berlin, Germany</p> <p>* Victoria Blake <i>University of Durham, UK</i> Prevalence in the province: public health and 'medical expertise' in the North East of England, 1848-1914</p> <p>Ryan M Johnson <i>University of Oxford, UK</i> The purchase and the preservation of health in the tropical colonies: the London Livingstone Exhibition and British ideas of medicine and hygiene in warm climates, 1870-1914</p>	<p>5C. Learning history of science online <u>BSHS OUTREACH AND EDUCATION COMMITTEE</u></p> <p>David Mossley <i>HEA Philosophical and Religious Studies Subject Centre</i> Playing a tune with the bangs and whistles</p> <p>John van Wyhe <i>University of Cambridge, UK</i> Using Darwin Online</p> <p>* Graeme Gooday <i>University of Leeds, UK</i> Enabling student research with Electricity Online</p> <p>Michael Hawkins <i>University of Sussex, UK</i> Lives, works and audiences: Newton Project and Livingstone Online</p>
10.30-11.00	<i>Coffee</i>		
11.00-12.30	SEMINAR ROOM	LECTURE THEATRE	JCR
	<p>6A. Interpreting information technologies <i>Chair: James Sumner, University of Manchester, UK</i></p> <p>David Anderson <i>University of Portsmouth, UK</i> The contribution of M H A Newman and the University of Manchester Department of Mathematics to the development of the world's first stored-program computer</p> <p>Janet Delve <i>University of Portsmouth, UK</i> The place of memory in the history of computing</p> <p>Miguel Garcia-Sancho <i>Imperial College London, UK</i> Creating a genetic language: DNA sequencing and the first modern biological databases, 1965-1985</p>	<p>6B. Medicine and authority <i>Chair: Michael Brown, University of Kent, UK</i></p> <p>Elizabeth Neswald <i>Brock University, Ontario, Canada</i> Hydropathy in Cork</p> <p>Paula Hellal and Marjorie Lorch <i>Birkbeck College, University of London, UK</i> Medico-legal considerations of insanity and aphasia</p> <p>Floriane Blanc <i>Université Lyon 1, France</i> The place of deference: inaugural lectures at the Paris Faculty of Pharmacy, 1925-1967</p>	<p>6C. The adventures of an historical object, and other stories <u>BSHS OUTREACH AND EDUCATION COMMITTEE</u></p> <p>* Alice Nicholls <i>Science Museum, London, UK</i></p> <p>Melanie Keene <i>University of Cambridge, UK</i> This session presents the pilot project of an OEC group investigating the creative writing of 'object stories' as an educational technique in history of science. Focusing upon artifacts in local museums, and drawing on the experience of pilot participants, the audience will be invited to try writing short autobiographical narratives of past objects from science, technology and/or medicine.</p>
12.30-13.30	<i>Lunch</i>		

Saturday 30 June (continued)

13.30-15.00	<p style="text-align: center;">SEMINAR ROOM</p> <p>7A. Conflict, controversy and conciliation <i>Chair: Joe Cain, University College London, UK</i></p> <p>Brian Regal <i>Kean University, New Jersey, USA</i> Grover Krantz and the anomalous primates</p> <p>Don O'Leary <i>University College Cork, Ireland</i> Irish Catholic responses to evolutionary theory: from Humani Generis to the Second Vatican Council</p> <p>Karl Spracklen <i>Leeds Metropolitan University, UK</i> The Holy Blood and the Holy Grail: myths of scientific racism and the pursuit of excellence in sport</p>	<p style="text-align: center;">JCR</p> <p>7B. Disciplines and Practices in Indian Science, 1890-1954 <i>Chair: Mark Harrison, University of Oxford, UK</i></p> <p>Pratik Chakrabarti <i>University of Kent, UK</i> 'Where a Pasteur Institute is more wanted than almost anywhere else': the Pasteur movement in colonial India, 1890-1910</p> <p>Savithri Preetha Nair <i>University of London, UK</i> The impact of Soviet biology on Indian plant genetics: E K Janaki Ammal and her Contemporaries, 1930s-40s</p> <p>* Jahnvi Phalkey <i>Georgia Institute of Technology, USA</i> Not only smashing atoms: Meghnad Saha and the establishment of nuclear physics in Calcutta, 1938-1954</p>	<p style="text-align: center;">LECTURE THEATRE</p> <p>7C. Using role-play to teach the history of medicine: plague in seventeenth-century York <u>BSHS OUTREACH AND EDUCATION COMMITTEE</u></p> <p>* Sabine Clarke <i>University of Oxford, UK</i> and the BSHS Strolling Players</p> <p>A dramatised enquiry by city aldermen into the causes and possible method of containment of the plague epidemic, presented here as a trial for an event for school-aged children at the 2007 British Association Festival of Science in York.</p>
15.00-15.30	<p><i>Coffee</i></p>	<p style="text-align: center;">LECTURE THEATRE</p>	<p style="text-align: center;">SEMINAR ROOM</p> <p><i>Outreach Day reception</i></p>
15.30-17.00	<p style="text-align: center;">JCR</p> <p>8A. (Re)creating Science in Nineteenth-Century Britain <i>Chair: Rebekah Higgitt, University of Edinburgh, UK</i></p> <p>Jim Mussell <i>Birkbeck College, University of London, UK</i> 'An excuse for the breaking of unwelcome engagements': the role of the press in communicating the 1889 influenza pandemic</p> <p>Kate Hebblethwaite <i>Trinity College Dublin, Ireland</i> Beyond the visible: democratic cells, unruly blobs, and the circle of life</p> <p>* Amanda Mordavsky Caleb <i>University of Sheffield, UK</i> Dr Jekyll and Mr Galton: the literacy of eugenics in Stevenson's <i>Strange Case</i></p>	<p>8B. Film screening <u>CHSTM OUTREACH AND SCIENCE COMMUNICATION</u> <i>Sunshine</i> (Danny Boyle, 2007) Followed by question and answer session with the film's scientific consultant, Dr Brian Cox (University of Manchester and CERN).</p> <p>A special public event based on current activities in the field of science communication. How and why do scientists influence popular cinema? And how does the cinema influence scientific and technological development?</p> <p><i>Organiser: David Kirby, University of Manchester, UK</i> <i>Begins at 15.15 prompt.</i></p>	
17.00-17.30	<p><u>CHSTM URBAN WALK</u></p>		
17.30-19.00	<p>Manchester science and technology: Oxford Road to Castlefield A guided walk illustrating the role of science and industry in shaping one of the defining cities of the modern world. Concludes at the Museum. <i>Groups leave at 17.00, 17.10, 17.20, 17.30</i></p>		
19.30-	<p style="text-align: center;">POWER HALL, MUSEUM OF SCIENCE AND INDUSTRY</p> <p><i>Conference Dinner</i></p>		

Sunday 1 July

07.30-09.00	<i>Breakfast</i>		
09.00-11.00	<p style="text-align: center;">LECTURE THEATRE</p> <hr/> <p>9A. Science and the state: Cold War contexts <i>Chair: Hannah Gay, Imperial College London, UK</i></p> <p>Alexandros Oikonomou <i>Imperial College London, UK</i> Scientists and defence in twentieth-century Britain: the career of Sir William Cook</p> <p>Tal Bolton <i>University of Kent, UK</i> Psychology and the search for the ideal volunteer in British chemical warfare research on service personnel, 1959-1961</p> <p>Jonathan Ayles <i>University of Manchester, UK</i> "Bloodhound on my trail": Ferranti's adaptation of military hardware to the process control computer</p> <p>Katrina Dean <i>British Library, UK</i></p> <p>Simon Naylor <i>University of Exeter, UK</i></p> <p>Martin Siegert <i>University of Edinburgh, UK</i></p> <p>Simone Turchetti <i>University of Bristol, UK</i> Antarctic scientific exploration and the Cold War</p>	<p style="text-align: center;">SEMINAR ROOM</p> <hr/> <p>9B. Bonding mechanisms: communities and research schools in chemistry and embryology <i>Chair: Anna Simmons, Open University, UK</i></p> <p>Geoff Rayner-Canham and Marelene Rayner-Canham <i>Sir Wilfred Grenfell College, Newfoundland, Canada</i> The pioneer British women chemists: a forgotten generation</p> <p>Martha Harris <i>University of Toronto, Canada</i> Emergence of a chemical physicist: Pauling and a community on the verge</p> <p>Rony Armon <i>Bar Ilan University, Israel</i> The chemical embryology of Joseph Needham: a biography of a scientific failure</p> <p>Helen Blackman <i>University of Cardiff, UK</i> "The time has come when this old embryology should be revived": The Cambridge school of zoology in the early twentieth century</p>	<p style="text-align: center;">JCR</p> <hr/> <p>9C. Poisonous perspectives <i>Chair: Amanda Caleb, University of Sheffield, UK</i></p> <p>Sylvia A Pamboukian <i>Robert Morris University, Pittsburgh, USA</i> Wife, mother, murderer: the female poisoner in Victorian England</p> <p>Andrew Mangham <i>University of Reading, UK</i> Victorian periodicals and the narrative of secret poisoning</p> <p>* Ian Burney <i>University of Manchester, UK</i> Poison, detection and the Victorian imagination</p> <p>Bettina Wahrig <i>Technical University of Braunschweig, Germany</i> Writing on poisons: German medical and pharmaceutical literature on poisoning cases</p>
11.00-11.30	<i>Coffee</i>		
11.30-13.00	<p style="text-align: center;">LECTURE THEATRE</p> <hr/> <p>10A. Science and the state: nationality, community and policy <i>Chair: Ben Marsden, University of Aberdeen, UK</i></p> <p>Christoph Laucht <i>University of Liverpool, UK</i> "Forgotten pioneers of the atomic frontier": German-speaking émigré nuclear scientists and the making of the atom bomb at Los Alamos during the Second World War</p> <p>Arjan van Rooij <i>Eindhoven University of Technology, Netherlands</i> Government and research: TNO in the twentieth century</p> <p>Jeff Hughes <i>University of Manchester, UK</i> A new Jerusalem for postwar science? The rise and demise of the South Bank 'Science Centre,' 1944-1960</p>	<p style="text-align: center;">JCR</p> <hr/> <p>10B. Animals behaving badly <u>ROY PORTER MEMORIAL SESSION</u> <i>Chair: Abigail Woods, Imperial College London, UK</i></p> <p>* Neil Pemberton and Michael Worboys <i>University of Manchester, UK</i> Mad dogs and Tories in late Victorian England</p> <p>Ed Ramsden <i>London School of Economics, UK</i></p> <p>Duncan Wilson <i>University of Manchester, UK</i> The ecology of self-destruction: from the 'suicidal' lemming to the 'stressed' vole</p> <p>Robert Kirk <i>University of Manchester, UK</i> Thermometers with temperaments: struggles with the social laboratory animal</p>	<p style="text-align: center;">SEMINAR ROOM</p> <hr/> <p>10C. Spaces of technology <i>Chair: Neil Barton, University College London, UK</i></p> <p>Mark Schneider <i>Virginia Tech, USA</i> Techniques of stereotomy at the stone amphitheatres of the Roman Empire</p> <p>Marionne Cronin <i>National Air and Space Museum, Washington DC, USA</i> Into the wilds: American aircraft in the Canadian North, 1927-37</p> <p>Massimo Mazzotti <i>University of Exeter, UK</i> Producing Olivetti Style: technology, space and organization at Olivetti, 1945-60</p>
13.00-14.00	<i>Lunch (conference closes at 14.00)</i>		