

Seminars

Departmental Seminars

Seminars are held on **Thursdays from 4.30 to 6.00pm in Seminar Room 2**, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand from 4pm in Seminar Room 1.

Organised by Richard Staley.

- 16 October **Jesse Olszynko-Gryn (HPS, Cambridge)**
Pregnancy testing before DIY: rethinking the patient-doctor-laboratory relationship
- 23 October **Boris Jardine (HPS, Cambridge)**
Meso-science and modernism: work at the Royal Society Mond Laboratory, 1933–1972
- 30 October **Geoffrey Cantor (University College London)**
New perspectives on the Great Exhibition
- 6 November *No seminar*

12 and 13 November at 5pm, Robinson College Auditorium – *note unusual times and place*
Peter Galison (Harvard University) delivering the Clare Hall Tanner Lectures:
'Science, secrecy and the private self'
Commentators include John Forrester and Simon Schaffer

- 20 November **Howard Hotson (University of Oxford)**
Age of iron, age of gold: the Thirty Years War, the German reformed diaspora, and the golden age of the Dutch universities
- 27 November **Brendan Clarke (University College London)**
Not-knowing about the aetiology of cervical cancer: a puzzle about absence of evidence

15 January 2015 at 4.30pm
Tenth Cambridge Wellcome Lecture in the History of Medicine
Rebecca Flemming (Classics, Cambridge)
One-seed, two-seed, three-seed? Reassessing ancient theories of generation

Seminar Programmes are sent out at the start of every term to the names on our mailing list. Please contact the Department if you would like to be added to or removed from the mailing list, or if you change your address.

Seminar information is also available at www.hps.cam.ac.uk/seminars

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Abstracts

16 October **Jesse Olszynko-Gryn (HPS, Cambridge)**

Pregnancy testing before DIY: rethinking the patient-doctor-laboratory relationship

Pregnancy testing has never been easier. For countless women, the home pregnancy test, a ubiquitous diagnostic tool/retail product, mediates between the uncertainty of a missed period and the decision either to prepare for motherhood or to terminate an unwanted pregnancy. Yet, although home testing has transformed the experience of pregnancy as much as ultrasound or amniocentesis, very little is known about its history. This talk will tell the story of laboratory pregnancy testing in Britain before the first DIY tests of the 1970s. It will argue that the market for a then controversial diagnostic service was sustained less by imposed medicalisation or the managerial state than by the entrepreneurial testers and consumers who helped to create and maintain demand. It will also rethink the patient-doctor relationship by placing routine testing more centrally in our historical understanding of modern laboratory medicine.

23 October **Boris Jardine (HPS, Cambridge)**

Meso-science and modernism: work at the Royal Society Mond Laboratory, 1933–1972

In February 1933 the great and good of Cambridge physics gathered for the opening of the Royal Society Mond Laboratory, an ‘ultra-modern’ building in which, as Ernest Rutherford was at pains to point out, the atom would definitely not be split. But soon enough even the low-temperature work that the Mond was made for was scuppered by an international scandal: in 1934 Piotr Kapitza, the head of the lab, was detained by the Soviets and Rutherford had to fight to keep science and politics apart. This story is well known, but the Mond itself tends to get lost in the telling. So the first part of my talk consists in a close reading of the building: the site, the training of the architect and the nature of the work done there are key to its striking form, and its distinctive place in inter-war physics. My argument here, which has consequences for notions of scientific heritage and material culture, is that the Mond was itself a scientific instrument – all of its parts working together for the execution of a single experimental programme. After Kapitza left, the function of the building became ambiguous, yet through the work of two generations of scientists the Mond remained important as a site for experiment and also for the planning of research. The second half of my talk is taken up with this period. Here questions of scale become important, and I pursue two lines of inquiry: first, I describe the Mond as an intermediary stage in the development of Big Science; second, I show that it has a key role in the history of ‘meso-scale physics’ – a role that has much to do with the nature of the building and its (literal) place in the Cavendish Laboratory.

30 October **Geoffrey Cantor (University College London)**

New perspectives on the Great Exhibition

The Great Exhibition of 1851 is widely regarded as a major public event that has provided a common focus for scholars studying diverse aspects of 19th-century history. However, despite an extensive secondary literature the meaning of the Exhibition has proved elusive and research has concentrated on a few disparate areas to the neglect of many others. In gathering material for a recently-published documentary history of the Exhibition I became increasingly aware of the vast range of meanings that contemporaries attributed to it – scientific, technological, social, political, religious, etc. – while historians have added further perspectives. The problem of engaging the Exhibition is compounded by the extensive range of sources that it generated, some of which have been neglected by historians; in particular commentaries in the contemporary periodical literature and the accounts written by visitors. Thus, for example, in contrast to the narratives manufactured by the Exhibition’s organisers, visitors’ accounts show how individuals with different backgrounds

and interests navigated the Exhibition. Drawing on a variety of sources this paper will offer some new perspectives on the Exhibition and its significance for the history of the mid-19th century.

20 November **Howard Hotson (University of Oxford)**

Age of iron, age of gold: the Thirty Years War, the German reformed diaspora, and the golden age of the Dutch universities

The 17th century is characterised by two enormous ruptures. One is military: the overlapping series of protracted wars which range from the Baltic via central Europe and the Low Countries to the British Isles. The other is intellectual: the interconnected movements once confidently known as the scientific revolution and the birth of modern philosophy. Although each has attracted a vast historical literature, these two phenomena – one brutally concrete, the other seemingly disembodied – appear at first sight incommensurable, attract very different kinds of historians, and are rarely studied together. One point at which these two parallel historiographies intersect, however, is the university, an enduring institution which grounds the history of ideas firmly in time and space. This paper argues that the most celebrated chapter in the 17th-century history of European universities is unintelligible without reference to the endemic warfare of the period. Sketching the evidence in support of this statement serves to broach a larger thesis about the relationship between the military and intellectual histories of the 17th century, and to prompt some methodological reflections on the value of geography to intellectual historians.

27 November **Brendan Clarke (University College London)**

Not-knowing about the aetiology of cervical cancer: a puzzle about absence of evidence

What's the difference between *absence of evidence* and *evidence of absence*? This paper explores this question via a biomedical case that involved a protracted absence of evidence. Cervical cancer is now thought to be caused by infection with *human papillomavirus* (HPV). However, for the two decades between about 1965 and 1984, cervical cancer was thought to be caused by infection with an unrelated virus known as *herpes simplex virus* (HSV). From the first suggestion that HSV might cause cervical cancer, its causal role was thought to be highly plausible, largely because of the roles played by herpes viruses in causing cancers in animals. By analogy with these animal tumours, an extensive research programme developed around HSV that was predicated on investigating its (possible) aetiological role in cervical cancer. While this research led to many publications, few of them appeared to implicate HSV in the genesis of cancer of the cervix. Despite this, HSV remained by far the most plausible cause of cervical cancer to cancer-virus researchers at the time.

The aim of this paper is come to an understanding of this persistent absence of evidence in the context of recent research into agnotology – culturally induced ignorance or doubt. However, the emphasis in much of this work is firmly on ignorance as ‘something that is made, maintained, and manipulated’ (Proctor and Schiebinger 2008:8). Typical cases discussed in the agnotology literature – such as military classification of documents, or the doubt deliberately cast on the causal link between smoking and lung cancer – are characterised by the deliberate obscuring of knowledge by individuals or organisations. This is not so for cervical cancer, in which a persistent absence of knowledge seems to have been ignored, rather than manufactured. Here, I therefore explore an epistemic thesis concerning agnotology: ‘when should persistent absence of evidence make us think sceptically about a particular hypothesis?’

Cabinet of Natural History

This research seminar is concerned with all aspects of the history of natural history and the field and environmental sciences. Seminars are held on **Mondays at 1pm in Seminar Room 1**. You are welcome to bring your lunch with you. Organised by Margaret Carlyle.

- 13 October **Susannah Gibson (HPS, Cambridge)**
Jean André Peyssonnel and the coral island
- 20 October **Christof Dejung (History, Cambridge)**
Historical time, primitive peoples and the abyss of race: conceptions of temporality in German anthropology and folklore studies (1850s–1930s)
- 27 October Cabinet Annual Fungus Hunt
- 3 November **Jane Wess (University of Edinburgh)**
The role of instruments in exploration: the RGS and its explorers, c.1830–1900
- 10 November **Christopher D. Preston (Centre for Ecology & Hydrology)**
Natural history on the move: John Ray's continental travels, 1663–1666
- 17 November **Emma Pyle (HPS, Cambridge)**
W.B. Carpenter and the wonder of microscopy
- 24 November **Victoria Pickering (Queen Mary University of London and Natural History Museum, London)**
Collecting natural history: Sloane's 'vegetable substances'
- 1 December **Alexi Baker (CRASSH and HPS, Cambridge)**
Jane Squire's early modern adventures: 'I see not why I should confine myself to needles, cards, and dice'

Twentieth Century Think Tank

Visual Arguments: Science on Film and other Media

The Twentieth Century Think Tank (TCTT) offers broad coverage of 20th- and 21st-century topics in the history, philosophy and sociology of science, technology and medicine. The regular programme of papers and discussions takes place on Thursdays over lunch.

Think Tank meetings are held on **Thursdays, 1–2pm in Seminar Room 2**. All welcome! Organised by Richard Staley.

- 30 October **Charlotte Bigg (Centre National de la Recherche Scientifique, Centre Alexandre Koyré, Paris)**
Brownian motion pictures
- 13 November **Peter Galison (Harvard University)**
Visual STS
- 20 November **Tim Boon (Science Museum, London)**
Performing and mediating science on television
- 27 November **David A. Kirby (University of Manchester)**
Indecent science: religion, science and movie censorship, 1930–1968

Early Medicine Seminars

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**. Tea and biscuits are available from 4.40pm. All welcome!

Organised by Lauren Kassell.

- 14 October **Margaret Pelling (University of Oxford)**
John Graunt and the health of children in mid-17th-century London
- 4 November **Sophie Page (University College London)**
Medicine and learned magic in the late middle ages
- 25 November **Jonathan Barry and Peter Elmer (University of Exeter)**
Patterns of medical practice in urban and rural England, c.1500–1720: a case-study of the South West

History of Modern Medicine and Biology Seminars

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**. Tea and biscuits are available from 4.40pm. All welcome!

Organised by Nick Hopwood and Helen Curry.

- 28 October **Joanna Radin (Yale University)**
Off the reservation: how indigenous bodies became big data
- 11 November **Carlos López Beltrán (UNAM, Mexico, visiting HPS)**
Mestizo genomics: race mixture, nation and science in Latin America
- 2 December **Stephen Mawdsley (Clare Hall, Cambridge)**
'Operation ouch': America's response to polio before a vaccine

Generation to Reproduction Seminars

These seminars, on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**, are funded by our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). Tea and biscuits are available from 4.40pm. All welcome!

Organised by Nick Hopwood and Lauren Kassell.

- 21 October **Cathy McClive (Durham University)**
Menstrual time and the blood of stigmata: Catherine Cadiere and Father Girard, an 18th-century menstrual cause célèbre
- 18 November **Claire Jones (King's College London)**
Under the covers? Commerce, condoms and consumers in Britain, 1860–1960

Seminars at CRASSH

Global Science

Seminars are held on **alternate Tuesdays, 12.00–2.00pm in Room SG1, Alison Richard Building, West Road**. Organised by James Poskett, James Hall and others.

Website: www.crassh.cam.ac.uk/programmes/global-science

- 21 October **Felix Driver (Royal Holloway University of London)**
Respondent: **Jim Secord (HPS, Cambridge)**
Material memories of travel and encounter: the albums of a Victorian naval surgeon
- 4 November **Zujaja Tauqeer (University of Oxford)**
Medical intervention and political autonomy on British India's hostile Afghan border
- 18 November **Branwyn Polykett (CRASSH, Cambridge)**
Respondent: **Emma Hunter (History, Cambridge)**
Scientific capacity building in East Africa: heads and hands in global science
- 2 December **Cam Sharp-Jones (University of Kent)**
Respondent: **Shinjini Das (CRASSH, Cambridge)**
Visualising difference: ethnographic imagery and the tribes of India, 1850–1900

Things that Matter, 1400–1900

Seminars are held on **alternate Wednesdays, 12.00–2.00pm in Room SG1, Alison Richard Building, West Road**. Organised by Margaret Carlyle, Michelle Wallis and others. Website: www.crassh.cam.ac.uk/programmes/things

- 8 October **Jane Hamlett (Royal Holloway University of London)**
Alastair Owens (Queen Mary University of London)
Reading institutional and domestic things
- 22 October **Julia Poole (Fitzwilliam Museum and Wolfson College, Cambridge)**
Craig Cessford (Archaeology, Cambridge)
Household things
- 5 November **Simon Werrett (University College London)**
Haileigh Robertson (University of York)
Explosive things
- 19 November **Chris Wingfield (Museum of Archaeology and Anthropology, Cambridge)**
Leah Clark (Open University)
Collected things
- 3 December **Adam Smyth (University of Oxford)**
Nicholas Smith and Colin Clarkson (University Library, Cambridge)
Printing things

Graduate workshops and seminars

HPS History Workshop

Need help writing a tricky part of your argument? Need some fresh ideas and references? Or simply want to see how your early-career colleagues approach the writing process? The History Workshop is an informal setting to discuss our written works-in-progress on any area of the history of science, technology and medicine, and share feedback. A draft PhD chapter, article or conference paper will be circulated by email before each meeting. We'll then discuss it together over tea and biscuits at **5pm on alternate Wednesdays in Seminar Room 1**.

Contact Andreas Sommer and/or Seb Falk if you are interested in sharing your work in this forum, or would like to be added to the mailing list.

- 15 October **Stephen A. Courtney (HPS, Cambridge)**
'Illuminating effects': visual culture and the exhibition of lighthouses in Victorian London
- 29 October **Sophie Ritson (University of Sydney)**
'Crackpots' and 'active researchers': the string wars, arXiv and the blogosphere
- 12 November **Timothy Rees Jones (HPS, Cambridge)**
Newton's chronology and the tradition of universal history
- 26 November **Steve Irish (HPS, Cambridge)**
Crystals and optics: Huygens and Wollaston

CamPoS

CamPoS (Cambridge Philosophy of Science) is a network of academics and students working in the philosophy of science in various parts of Cambridge, including the Department of History and Philosophy of Science and the Faculty of Philosophy. For further details of the composition and activities of CamPoS, see www.camposgroup.org. The Wednesday afternoon seminar series features current research by CamPoS members as well as visitors to Cambridge and scholars based in nearby institutions. If you are interested in presenting in the series, please contact Christopher Clarke. If you have any queries or suggestions for other activities that CamPoS could undertake, please contact Huw Price, Jeremy Butterfield or Hasok Chang.

Seminars are held on **Wednesdays, 1.00–2.30pm in Seminar Room 2**.

- 15 October **Richard Pettigrew (University of Bristol)**
- 22 October **Christopher Clarke (HPS, Cambridge)**
- 29 October **Kim Sterelny (Australian National University)**
- 5 November *No seminar*
- 12 November **Adrian Boutel (HPS, Cambridge)**
- 19 November **Eleanor Knox (King's College London)**
- 26 November **Shyane Siriwardena (Philosophy, Cambridge)**
- 3 December **Alex Broadbent (University of Johannesburg)**

Science in Print: Understanding Book Production from the Sixteenth to the Nineteenth Centuries

A series of five sessions led by Roger Gaskell, Anna Jones and Jim Secord on **Tuesdays, 11am–12.30pm in the Whipple Old Library**, starting on 4 November.

Understanding how the book is made is vital to the study of its contents, helping to locate its economic and social context, its audience, and ultimately its historical significance. Using examples from the Whipple Library's rare book collections and the University Library's Historical Printing Collection, this workshop series will explore some bibliographical techniques to identify and describe the structure and production of printed material from the handpress (16th–18th centuries) and mechanized (19th century) periods, and consider the uses and abuses of online derivatives. Although the focus will be on scientific texts and illustrations, these sessions will be of interest to book historians in all disciplines, and all are welcome.

For further information and to book a place, please contact Anna Jones.

- 4 November Survey of the handpress period
- 11 November Book production in the handpress period and bibliographical analysis
- 18 November The technology of book production in the handpress period (*this session takes place in the Historical Printing Room at the University Library*)
- 25 November The production and analysis of images in handpress period books
- 2 December Book production in the 19th century

Aims and Methods of Histories of the Sciences

A series of six workshops led by Nick Jardine, with Hasok Chang and Cristina Chimisso, on **Mondays, 11am–12.30pm in Seminar Room 1**, starting on 27 October.

These six workshops are for discussion of the history, aims, methods and problems of the history of science. In the first Nick Jardine will give an overview of the origins of the discipline and its current problems and prospects. Topics to be discussed in subsequent meetings include H  l  ne Metzger and French historiography of the sciences (10 November, introduced by Cristina Chimisso, Open University) and the relations between history of science and philosophy of science (17 November, introduced by Hasok Chang). Suggestions for themes and readings for the remaining sessions will be welcome as will volunteers to introduce topics.

Graduate and Postdoc Training

Training workshops for the Department's graduate students and postdoctoral researchers are held throughout the academic year. A calendar of this term's events is on the back page; the full programme is at www.hps.cam.ac.uk/students/training.

Reading and discussion groups

Coffee with Scientists

The aim of this new group is to explore and enhance the interface between HPS and science. Many of us in HPS already have close engagements with science and scientists, but we do not often pull together our activities in those directions. We could benefit from more explicit discussions about the relationship between HPS and the sciences themselves, and from encouraging HPS-scholars and scientists to help each other's work. Many of our graduate students and postdocs currently work in isolation from scientists; they may benefit from the stimulation of interactions with colleagues and mentors from various scientific disciplines (in Cambridge and elsewhere), which are difficult to include in our regular seminars and reading groups infused with standard HPS expectations, assumptions and customs.

During Michaelmas Term 2014 we will meet on **Fridays, 2.30–4.00pm in Seminar Room 2**. The following sessions have been confirmed, and more will be organised if possible. Further information and reading materials will be distributed through the email list of the group; please contact Hasok Chang if you would like to be included on the list.

24 October 'Fossils and history: recollections across two cultures'

In this session Professor **Martin Rudwick** makes a very welcome return to the HPS Department to discuss his career as a scientist and a historian of science.

14 November 'Rayleigh's re-determination of the ohm'

In this session we welcome Professor **E.A. (Ted) Davis**, Distinguished Research Fellow, Department of Materials Science and Metallurgy, who will discuss part of his ongoing work on the history of physics at the Cavendish Laboratory.

Nature and Culture Reading Group

This term, we will be reading selected chapters from *Value-Free Science: Ideals and Illusions?* (2007), edited by Harold Kincaid, John Dupré and Alison Wylie (Oxford University Press). Please contact Beth Hannon if you have any difficulty locating the readings.

Meetings will take place on **Tuesdays, 1.00–2.00pm in Seminar Room 1**. Everyone welcome!

14 October How Should Sociologists Study Social Problems? – Michael Root

21 October Coming to Terms with the Value(s) of Science: Insights from Feminist Science Scholarship – Lynn Hankinson and Allison Wylie

28 October Evaluating Scientists – Brad Wray

4 November Evidence and Value Freedom – Elliott Sober
Rejecting the Ideal of Value Free Science – Heather Douglas

11 November Is Logical Empiricism Committed to the Ideal of Value Free Science? – John Roberts

18 November Constructive Empiricism and the Role of Social Values in Science – Sherri Roush

25 November The Value Ladenness of Scientific Knowledge – Gerald Doppelt

2 December Contextualist Morals and Science – Harold Kincaid

History and Theory Reading Group

Paper Tools

Meetings take place **every other Friday, 2.30–4pm in Seminar Room 3**. Organised by Boris Jardine.

- 17 October
1. David Kaiser, 'Making tools travel: pedagogy and the transfer of skills in postwar theoretical physics', in David Kaiser (ed.), *Pedagogy and the Practice of Science* (Cambridge, MA: MIT Press, 2005), pp. 41–74
 2. Ursula Klein, 'Paper Tools in Experimental Cultures', *Studies in History and Philosophy of Science* 32 (2001), pp. 265–302
- Supplementary:
Andrew Warwick, 'A mathematical world on paper: written examinations in early 19th century Cambridge', *Studies in History and Philosophy of Modern Physics* 29 (1998), 295–319
- 31 October
1. Lisa Gitelman, Introduction and Chapter 3 in *Paper Knowledge: Toward a Media History of Documents* (Durham, NC: Duke University Press, 2014)
- Supplementary:
Markus Krajewski, *Paper Machines: About Cards and Catalogues, 1548–1929*, translated by Peter Krapp (Cambridge, MA: MIT Press, 2011)
- 14 November
1. Ben Kafka, 'Paperwork: the state of the discipline', *Book History* 12 (2009), pp. 340–53
 2. Ann Blair, Chapters 1 and 2 in *Too Much to Know: Managing Scholarly Information before the Modern Age* (New Haven, CT: Yale University Press, 2010)
- Supplementary:
Lisa Jardine and Anthony Grafton, "'Studied for Action": How Gabriel Harvey Read His Livy', *Past & Present* 129 (1990), pp. 30–78
- Jeffrey Todd Knight, "'Furnished" for Action: Renaissance Books as Furniture', *Book History* 12 (2009), pp. 37–73
- 28 November
1. Nick Hopwood, Simon Schaffer and Jim Secord, 'Seriality and scientific objects in the nineteenth century', *History of Science* 48 (2010), pp. 251–85
 2. James Delbourgo and Staffan Müller-Wille, 'Introduction: Listmania', *Isis* 103 (2012), pp. 710–15
- Supplementary:
Papers in both special issues, especially Volker Hess and J. Andrew Mendelsohn, 'Case and Series: medical knowledge and paper technology 1600–1900', *History of Science* 48 (2010), pp. 287–314

Twentieth Century Reading Group

This term, we will explore the themes of science in film to complement talks given at the Twentieth Century Think Tank, which meets on alternate Thursdays. Readings will be made available in advance in our Whipple Library box.

Meetings are held on **Thursdays, 1.00–2.00pm in Seminar Room 3.**

Organised by Jesse Olszynko-Gryn, Dmitriy Myelnikov and Kathryn Schoefert.

9 October Introduced by **Jesse Olzynko-Gryn**

Oliver Gaycken, *Devices of Curiosity* (Oxford: Oxford University Press, forthcoming)

– Introduction

– Chapter 2, Juggling Flies and Gravid Plants: Percy Smith's Early Popular-Science Films

23 October Introduced by **Nick Hopwood**

Scott Curtis, *Shape of Spectatorship: Art, Science, and Early Science in Germany* (New York City: Columbia University Press, forthcoming)

– Introduction

– Chapter 1, Science's Cinematic Method: Motion Pictures and Scientific Research

4 December Introduced by **Helen Curry**

Janina Wellman, 'Science and Cinema', *Science in Context* 24:3 (2011), 311–328

Hannah Landecker, 'Creeping, Drinking, Dying: The Cinematic Portal and the Microscopic World of the Twentieth-Century Cell', *Science in Context* 24:3 (2011), 381–416

Science and Literature Reading Group

The Brain

This term features four sets of readings on cerebral themes from the past, present and future. For full reading lists please see the links available from the beginning of October on the HPS seminars website at www.hps.cam.ac.uk/seminars/slrg.html; hard copies will also be made available in the reading group's boxfile in the Whipple Library.

We return to **Darwin College**, the original home of the Reading Group, for meetings on **Monday evenings from 7.30–9pm**. All are very welcome to join us!

Organised by Melanie Keene (Homerton) and Adrian Kent (DAMTP). To join the mailing list, email Melanie; for further updates and information please see our blog: www.sci-lit-reading-group.blogspot.com.

13 October Phrenological genres

3 November Cerebral forms

17 November Nervous states

1 December Beyond the brain

Kant Reading Group

In Michaelmas 2014 we will focus on the theory of aesthetics Kant developed in his *Critique of Judgment*. We will discuss issues arising from the text including the form and possibility of judgments of taste, the role of understanding and imagination in aesthetic experience, and the notions of art and genius. Interested undergraduates, graduates, researchers and faculty members are all welcome!

Meetings are on **Wednesdays, 11.00am–12.30pm in the Philosophy Board Room, Faculty of Philosophy, Sidgwick Site.**

Please contact Angela Breitenbach or Thomas Land for more information or if you would like to be added to the mailing list.

- 15 October Introduction to the *Critique of Judgment*, §§IV–VIII (5:179–94)
- 22 October Analytic of the Beautiful – First Moment, §§1–5 (5:203–11), and Second Moment, §§6–9 (5:211–9)
- 29 October Analytic of the Beautiful – Third Moment, §§10–17 (5:219–36)
- 5 November Analytic of the Beautiful – Fourth Moment, §§18–22 (5:236–40), and General Remark (5:240–4)
- 12 November Deduction of Pure Aesthetic Judgments, §§30–38 (5:279–291)
- 19 November Deduction of Pure Aesthetic Judgments, §§39–42 (5:291–303)
- 26 November Deduction of Pure Aesthetic Judgments, §§43–50 (5:303–320)
- 3 December TBC

Philosophy and History of Physics Reading Group

Organised by Daniel Mitchell, Hasok Chang and Jeremy Butterfield.

This year's meetings will have one common theme: measurement. We will investigate the development of physical measurements in recent centuries, paying attention to their epistemological significance, their institutional and social settings, and their relation to measurements in other sciences.

We will be discussing works in progress by various members of the group, as well as selected works by others. The year's activities will culminate in an international interdisciplinary conference on 'The Making of Measurement' held at CRASSH on 23–24 July 2015, organised by Daniel Mitchell, Eran Tal and Hasok Chang.

The group will meet weekly at the usual time of **2.00–3.00pm on Tuesdays in Seminar Room 1**. Readings for the following meetings are confirmed, and the remainder will be determined in consultation with the wider group. Further information and reading materials will be distributed through the email list of the group; please contact Daniel Mitchell if you would like to be included on the list.

- 14 October Eran Tal, 'Measurement in Science', *Stanford Encyclopedia of Philosophy* (in press)
- 21 October Hasok Chang, 'Operationalism: Old Lessons and New Challenges' (draft)

AD HOC

The Cambridge branch of AD HOC (Association for the Discussion of the History of Chemistry) meets several times per term, on **Mondays, 5.00–6.30pm in Seminar Room 1**. Our activities are supported by a Subject Development Grant from SHAC (Society for the History of Alchemy and Chemistry).

In Michaelmas Term 2014 we will be focusing on the theme of **chemical bonds** through the ages. Each meeting will discuss a selection of key secondary and primary sources.

Our Michaelmas Term activities will be coordinated by Hasok Chang, Charissa Varma and Sophie Osiecki. For further details, readings, or to join our mailing list, please contact Sophie on adhochistory@gmail.com. The London branch of the group meets at UCL on a monthly basis; travel between the two branches is encouraged, and the SHAC grant provides travel bursaries for students and others with financial need.

13 October Affinity in the 18th century, discussion led by **Georgette Taylor (University College London)**

Readings:

Georgette Taylor, 'Tracing Influence in Small Steps: Richard Kirwan's Quantified Affinity Theory', *Ambix* 55 (2008), 209–231

Selections from Richard Kirwan

27 October Electrochemical notions of the chemical bond, discussion led by **Hasok Chang**

Readings:

Trevor Levere, *Affinity and Matter: Elements of Chemical Philosophy 1800–1865* (Oxford: Oxford University Press, 1971; Gordon and Breach reprint, 1993), ch. 2, 'Humphry Davy: Romantic and Dynamical Chemistry: Electrical Ideas about Affinity', 23–67

Selections from Humphry Davy

10 November Pre-quantum electronic theories of the chemical bond, discussion led by **Georgie Statham**

Readings:

Theodore Arabatzis, *Representing Electrons: A Biographical Approach to Theoretical Entities* (Chicago: University of Chicago Press, 2006), ch. 7, "'How the Electrons Spend Their Leisure Time": The Chemists' Perspective', 175–199

Selections from G.N. Lewis

24 November The chemical bond in quantum chemistry, discussion led by **Charissa Varma**

Readings:

Martha L. Harris, 'Chemical Reductionism Revisited: Lewis, Pauling and the Physico-chemical Nature of the Chemical Bond', *Studies in History and Philosophy of Science* 39 (2008), 78–90

Selections from Linus Pauling and Charles Coulson

Philosophy of Psychology Reading Group

This term we will be reading *The Emotional Construction of Morals* by Jesse Prinz. We meet on **Thursdays, 11am–12noon in Seminar Room 1**. Organised by Riana Betzler.

- 9 October Preamble: Naturalism and Hume's Law
Chapter 1: Emotionism
- 16 October Chapter 2: Emotions: Non-moral and Moral
- 23 October Chapter 3: Sensibility Saved
- 30 October Chapter 4: Against Objectivity
- 6 November Chapter 5: Dining with Cannibals
- 13 November Chapter 6: The Genealogy of Morals
- 20 November Chapter 7: The Limits of Evolutionary Ethics
- 27 November Chapter 8: Moral Progress

Language groups

Latin Therapy

Latin Therapy is an informal reading group. All levels of Latin (including beginners) are very welcome. We meet on **Fridays, 4.00–5.30pm in Seminar Room 3**, starting on 17 October, to translate and discuss a text from the history of science, technology or medicine. If a primary source is giving you grief, we'd love to help you make sense of it over tea and biscuits! Thus we provide a free translation service for the Department, and a means for members to brush up their skills.

More information can be found at our website: www.hps.cam.ac.uk/latintherapy. To be added to the mailing list, or to suggest a text, please contact Tillmann Taape or Natalie Lawrence.

Greek Therapy

Greek Therapy meets **every Wednesday during term time in Seminar Room 3 from 5.30 to 7pm**.

We are an informal group for beginners and for experienced readers of Greek seeking to brush up their skills – all levels are welcome. Sessions usually involve a basic grammar session at the beginning followed by reading through a more advanced text – this term we will be reading Plato's dialogue *Euthydemus*. For more information or to be added to the mailing list, please email Liz Smith.

Graduate and Postdoc Training Programme: Calendar of events for Michaelmas Term 2014

See www.hps.cam.ac.uk/students/training for the full programme.

Date/time	Event	Notes
Wed 8 Oct, 2–5pm	Induction for MPhil and Part III students	
Wed 8 Oct, 12–5pm	Induction for new PhD students	
Thu 9 Oct, 4–6pm	Induction for second-year PhD students	
Thu 9 Oct, 4–6pm	Induction for late-stage PhD students and new postdocs	
Fri 10 Oct, 1–2pm	How do undergraduate supervisions work?	Required for new supervisors
Wed 15 Oct, 1–2.30	First CamPoS seminar	Weekly thereafter
Wed 15 Oct, 5–6pm	HPS History Workshop	Fortnightly thereafter
Fri 17 Oct, 11–12pm	Jobseekers' coffee morning	Fortnightly thereafter
Fri 17 Oct, 1–2pm	How to supervise examinable coursework	Required for new supervisors
Fri 24 Oct, 1–2pm	How to supervise Part IB and Part II essays	Required for new supervisors
Mon 27 Oct, 11–12.30	Aims and methods of histories of the sciences, session 1	First of a series of 6
Fri 31 Oct, 1–2pm	Working with rare printed books and archives in HPS	
Mon 3 Nov, 11–12.30	Aims and methods, session 2	
Tue 4 Nov, 11–12.30	Science in print, session 1	First of a series of 5
Fri 7 Nov, 11–12pm	Supervisors' coffee morning	Fortnightly thereafter
Fri 7 Nov, 1–2pm	How to apply for a PhD	
Mon 10 Nov, 11–12.30	Aims and methods, session 3	
Tue 11 Nov, 11–12.30	Science in print, session 2	
Fri 14 Nov, 1–2pm	Ethical issues on science and medicine	
Mon 17 Nov, 11–12.30	Aims and methods, session 4	
Tue 18 Nov, 11–12.30	Science in print, session 3	
Fri 21 Nov, 1–2pm	Researching the history of 20C science	
Mon 24 Nov, 11–12.30	Aims and methods, session 5	
Tue 25 Nov, 11–12.30	Science in print, session 4	
Fri 28 Nov, 1–2pm	Researching in museums	Meet at museum
Mon 1 Dec, 11–12.30	Aims and methods, session 6	
Tue 2 Dec, 11–12.30	Science in print, session 5	