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*Cover photograph: 'Octo', the mascot of the University's 800th anniversary year, pays a visit to the Whipple Museum*

# The Department

## Introduction

In December 2008, the results of the Research Assessment Exercise (RAE) were announced. In previous Exercises, the Department had excelled: in 1996, HPS in Cambridge and the Sub-Faculty of Philosophy in Oxford were the only institutions in Britain to be awarded 5\* status in the Philosophy Unit of Assessment. In 2001, HPS in Cambridge and Oxford Philosophy maintained their 5\* standing, joined by Cambridge Philosophy, King's College London and LSE. In 2008 the 5\* was abandoned; under the new criteria, HPS's overall quality profile was rated at 74% with 65% of the submission rated as world-leading or internationally excellent. Research Environment was rated at 100%; the feedback stated that the Department provides an exemplary research environment, in particular in the number of active research groups, the level and use of research income and the provisions for postgraduate students. In terms of the 'Power Ratings', the Department was second only to the Oxford Sub-Faculty of Philosophy. Just as important as the 'quality' was our 'quantity' – comparative figures from 1996 on indicate the extraordinary vitality of the Department's research activity. In 1996, HPS submitted 15.0 researchers, compared with Oxford's 46.0; in 2001, we submitted 22.3 compared with Oxford's 49.0; in RAE 2008, we submitted 35.0 to Oxford's 79. So from 1996 to 2008, our numbers increased by 133% to Oxford's 72%. In every respect, the performance of the Department in the RAE was outstanding and all those who contributed should be congratulated and thanked.

Of course, these figures are also of no significance whatsoever – for two different reasons. Firstly, the Government asks HEFCE to run these exercises without announcing in advance what the consequences will be; they make up the rules for dispensing research funding streams after they have seen the results. For 2009, they decided to 'ring-fence' the Science, Technology, Engineering and Medicine (STEM) subjects, thus reducing catastrophically funding streams to non-STEM subjects, such as Philosophy. Even so, HPS's performance was so strong that the actual funding stream (QR) the University receives for HPS as a result of the RAE results increased in absolute terms. If, as the University has calculated, one offsets the ring-fencing of STEM subjects, HPS's QR funding increased by 27%.

However, a second neutralising decision then makes itself felt: the University does not pass on the effects of the changes in funding streams to the various Schools in a straightforward manner (i.e. to a large extent, it protects non-STEM subjects from the vagaries of government policy). Then the Council of the School of Humanities and Social Sciences (CSHSS), to which the Department belongs, does not itself employ the Resource Allocation Model (RAM) (which includes these changes in QR funding) in determining budgets for individual Faculties and Departments. Institutions which have been successful (like HPS) do not receive any 'reward' for their success; institutions which have not been so successful are protected from the sudden shortfall in funding which would result from a mechanical application of the RAM to actual budgets. However, the major Social Sciences Review that has been instigated in early 2009 following the announcement of the RAE results is a response to such poor results. This Review will have important consequences for the School and for the Department. (These policies of the University and the School have as their consequence that there is no reason whatsoever, apart from the prestige of good publicity, for an institution in our School to galvanise itself and its researchers to perform well in the RAE; indeed,

reliable university lore has it that the more poorly an institution does, the more funding it is likely to receive. One is not supposed to say such things – which is why this observation belongs in brackets.)

The RAE results were announced as financial crisis deepened; ever since the crash of September 2008, the news and prophecies have only got gloomier. There is no doubt that the budgets for the next few years will feature sustained cuts. Despite nimble and imaginative use of resources, the CSHSS will fill, at most, only half of the vacancies for academic staff in 2010–11; forecasts for 2011–12 indicate an even more stringent policy.

It was against this background that the Department gratifyingly achieved much and also suffered a significant loss. Martin Kusch, who had been a major figure in the Department since arriving from Edinburgh in 1997, covering with equal mastery and flair the history, sociology and philosophy of science, accepted a Chair in Philosophy at the University of Vienna and took up the post in August 2009. Fortunately, the Council of the School finally agreed to fill the vacancy he left and, at the time of writing, the Department is advertising for a University Lecturer in Philosophy of Science. There is no concealing the considerable loss of expertise, both in breadth and depth, that Martin's departure represents. We can only console ourselves by reflecting that Cambridge was lucky to have him for a dozen years. We wish him and his growing family our very best wishes for the future.

The Department's achievements of the academic year were many, as this weighty Report documents, but were particularly notable in the winning of major research grants. Much hard work and collaboration went into two major projects, both of which received approval in the autumn of 2009. Nick Hopwood and Lauren Kassell led a team from six different institutions and four different Schools within the University in applying for a Wellcome Strategic Award in 'Generation to Reproduction' worth £785K over the period 2009–14, following on from the very successful Enhancement Award in the same research field (2004–09). Simon Schaffer collaborated with the National Maritime Museum with a proposal to produce 'The History of the Board of Longitude, 1714–1828: Science, Innovation and Empire in the Georgian World' (2010–15), worth £925K. In addition, the peace of Tamara's office has been regularly noisily interrupted by the many other researchers whom she has supported with her mercurial, detail-mastering and unflappable support in grant application triumphantly waving another letter announcing success. The research activity is clearly contagious; there were many student initiatives over the course of the year, with PhD students being particularly active organizing workshops and conferences.

November 2008 was the anniversary month of Peter Lipton's death and was marked by a conference on the philosophy of science, held in the Department and in the McCrum Theatre, Corpus Christi College. During the conference and in the presence of Peter's mother, the HPS graduate students, led by Lydia Wilson, presented an inscribed bench and an olive tree in Peter's memory to the Department; the bench was well used in the summer and the olive tree is thriving. The following day, many hundreds attended a very moving – and funny – memorial service held in King's College Dining Hall. In the spring of 2009, the University set up a 'Peter Lipton Fund' with the donations made following his death. The fund's income will be used to support research, teaching and other academic activities in the Department; the Managers decided as their first act to sponsor an annual Lipton Prize for the best performance on the new Part III.

During 2008–09 members of the Department spent considerable time planning the introduction of a new Part III in HPS. This course is designed to give existing Part II students the opportunity to continue to a fourth-year master's level course of study, providing the preparation needed for continuation to the Ph.D. Eight students were admitted in the first year's cohort, which started in October 2009. We are expecting higher numbers in coming years; at present, our limit is 12.

As usual we would like to take this opportunity to thank everyone who has contributed to the life of the Department. We recognise that it is your goodwill and hard work that has enabled us to achieve our current level of excellence!

*John Forrester*

*Tamara Hug*

*25 February 2010*

# Staff and affiliates

## Administrative Staff

Jenny Fox  
Tamara Hug  
Steve Kruse  
David Thompson

## Computing Staff

Mark Rogers

## Cleaning Staff

Agnieszka Lanucha

## Library Staff

Tim Eggington  
Dawn Moutrey

## Museum Staff

Elizabeth Hart  
Joshua Nall  
Karina Rivadeneira  
Sarah Robertson  
Derek Scurll

## Teaching Officers

John Forrester  
Nick Hopwood  
Nick Jardine  
Lauren Kassell  
Martin Kusch  
Tim Lewens  
Eleanor Robson  
Simon Schaffer  
Jim Secord  
Liba Taub

## Teaching Associates

Sorin Bangu  
Richard Barnett  
Alex Broadbent  
Kevin Brosnan  
Vanessa Heggie  
Nicky Reeves

## Research Fellows

Elma Brenner  
Marie-Françoise Besnier  
Philippe Clancier  
Andrew Cunningham  
Graham Cunningham  
Hilary Powell  
Robert Ralley  
Torben Rees  
Frances Reynolds  
Laurence Totelin

## Affiliated Lecturers

Patricia Fara  
Marina Frasca-Spada  
Richard Jennings  
Sachiko Kusukawa  
Deborah Thom  
Frances Willmoth

## College Research Fellows

Adam Bostanci  
Angela Breitenbach  
Alix Cohen  
Paul Dicken  
Michael Edwards  
Stephen John  
Russell Re Manning  
Christina McLeish  
Ayesha Nathoo  
Alisha Rankin  
Mark Sprevak  
Nick Tosh  
Sophie Weeks

## Affiliated Scholars

Jon Agar  
Robert Anderson  
Debby Banham  
Emm Barnes  
Andrew Barry  
German Berrios  
Sanjoy Bhattacharya  
Peter Bowler  
Robert Bud  
Tatjana Buklijas  
Jeremy Butterfield  
Cristina Chimisso  
Harry Collins  
Peter Collins  
John Cornwell  
Christopher Cullen  
Soraya de Chadarevian  
Silvia De Renzi  
Ipek Demir  
David Dewhirst  
Mary Dobson  
Matthew Donald  
Catherine Eagleton  
Samantha Evans  
Nader El-Bizri  
Roger Gaskell  
Axel Gelfert

Faye Getz  
Jeremy Gray  
Ole Grell  
Mary Hesse  
Annette Imhausen  
Shelley Innes  
Catherine Jami  
Peter Jones  
Harmke Kamminga  
Elselijn Kingma  
Gerald Kutcher  
Emese Lafferton  
David Leith  
Geoffrey Lloyd  
Helen Macdonald  
Matteo Mameli  
Scott Mandelbrote  
Anita McConnell  
Raymond Mercier  
Simon Mitton  
Jim Moore  
Adam Mosley  
Jaume Navarro  
Richard Noakes  
Onora O'Neill  
Alison Pearn  
Martin Peterson  
Katy Price  
Sadiah Qureshi  
Jason Rampelt  
Michael Redhead  
Evelleen Richards  
Ruth Richardson  
Martin Rudwick  
Colin Russell  
Christine Salazar  
Anne Secord  
Richard Serjeantson  
Irina Singh  
Sujit Sivasundaram  
Emma Spary  
Jacqueline Stedall  
Rebecca Stott  
Kim Taylor  
Karin Tybjerg  
John van Wyhe  
Andrew Wear  
Paul White  
Sarah Wilmot  
Elie Zahar

# Visitors and students

## Visiting Scholars

Pieter R. Adriaens  
Brita Brenna  
Justin Cruickshank  
William Dunham  
Vidar Enebakk  
Aude Fauvel  
Simon Grisold  
Céline Kermisch  
Juan Mayoral de Lucas  
Birgit Nemec  
David J. Williams  
Haiyan Yang

## Visiting Students

Valentina Fabbri  
Jesus Galech  
José Ramón Marcaida  
Antje Pfannkuchen  
Kelly Whitmer

## PhD Students

Salim Al-Gailani  
Alexandra Bacopoulous-  
Viau  
Caroline Baumann  
Geoffrey Belknap  
Joanna Birch Brown  
Mirjam Brusius  
Yoon Choi  
Mike Collins  
Robert Cord  
Sophia Davis  
Tom Eyers  
Bonnie Evans  
David Feller  
Carl Fisher  
Susannah Gibson  
Natasha Goldberg  
Sacha Golob

Jiri Hudecek  
Boris Jardine  
Natalie Kaoukji  
Melanie Keene  
Allison Ksiazkiewicz  
Sharon Ku  
Daniel Lim  
Iris Montero-Sobrevilla  
Sasha Mudd  
Lisa Mullins  
Sam Nicholson  
Signe Nielsen  
Margaret Olszewski  
Arash Pessian  
Jennifer Rampling  
Alix Rogers  
Leon Rocha  
Joab Rosenberg  
Joe Sandham  
Alireza Taheri  
Katie Taylor  
Nicholas Teh  
Julie Walsh  
Billy Wheeler  
Nicholas Whitfield  
Lydia Wilson  
Joeri Witteveen  
Alexander Wragge-Morley  
Katharine Zimmerman

## MPhil Students

Emily Alden  
Jenny Bangham  
Michael Barany  
Jonathan Birch  
Sophie Brockmann  
Rebecca Brown  
Alice Clarke  
Gerardo Con Diaz  
Matthew Drage

Hong Hai  
Ruth Horry  
Mark Janoff  
Emily McTernan  
Deirdre Moore  
Amber North  
Emma Perkins  
Clare Roche  
Patrick Rogers  
Jan Trnka  
Caitlin Wylie  
Devin Yagel

## Part II students

Chiara Badiali  
Michael Coxhead  
Helen Craig  
Xinyi Du  
Rebecca George  
Camilla Grundy  
James Hall  
Paul Hufton  
Michael Kattirtzi  
Rakhee Mandalia  
Philippa McKay  
Ewa Misztal  
Faye Murray  
(Phuong) Thao Nguyen  
Amin Oomatia  
Sarah Pape  
Jessica Paul  
John Pickavance  
Helen Prasad  
Anja Saso  
James Taylor  
Nathan Thomas  
Victoria Turner  
Atholl Tweedie  
Hannah Walsh

# Comings and goings

**Marie-Françoise Besnier** joined us in March 2009 taking over from Frances Reynolds on the Scholarly Libraries project.

**Philippe Clancier** left us in August 2009 taking up an academic post in France.

**Matthew Drage**, **Peter Foreshaw** and **Jack Hewetson** all worked on short-term projects during the course of the year.

**Jenny Fox** joined us as Receptionist in January 2009.

**Elizabeth Hart** retired from her post as Museum Attendant in December 2008.

**Ruth Horry** and **Josh Nall** resigned their full-time Museum Assistant posts in the summer of 2009 in order to start PhDs in the Department; they continue to do part-time work for the Museum.

**Martin Kusch** left us in August 2009 to take up a Professorship at the University of Vienna.

**Rob Ralley** keeps coming and going.

**Renée Raphael** joined the Department in October 2009 as a Research Associate on the project 'Diagrams, Figures and the Transformation of Astronomy, 1450–1650'.

**Torben Rees** left us in May 2009 to work for a technology for education company in Oxford.

**Frances Reynolds** left us in November 2008.

**Karina Rivadeneira** joined us Museum Attendant in January 2009.

**Derek Scurll** joined us in June 2009, replacing Torben Rees on the Science of Musical Sound Project.

**Laurence Totelin** left us at the end of August 2009 to take up a Lectureship at the University of Cardiff.

**Greta Van Buylaere** joined us in October 2009 taking over from Philippe Clancier on the Scholarly Libraries project.

# Roles and responsibilities

## Departmental positions

**Head of Department:** John Forrester

**Chairman of the HPS Board:** Jim Secord

**Secretary of the Board:** Tamara Hug

**Director of Graduate Studies:** Nick Jardine

**Secretary of the Degree Committee:** Tamara Hug

**MPhil Manager:** Eleanor Robson

**Part II Manager:** Lauren Kassell

**Part IB Managers:** Nick Hopwood

## HPS Board and Degree Committee

**Professors and Readers:** John Forrester, Nick Jardine, Martin Kusch, Simon Schaffer, Jim Secord, Liba Taub

**Curator and Director of the Whipple Museum:** Liba Taub

**Administrative Officer:** Tamara Hug

**Librarian:** Tim Eggington

**General Board Members:** Michael Akam, Malcolm Longair

**Co-options:** Kevin Brosnan, Vanessa Heggie, Nick Hopwood, Lauren Kassell, Tim Lewens, Halvard Lillehammer, Eleanor Robson

**Elected Senior Members:** Alex Broadbent, Marina Frasca-Spada, Mark Sprevak, Laurence Totelin

**Elected Junior Members:** Beccy Brown (Graduate); Amy Sinclair, Pippa McKay (Undergraduates)

## Philosophy Faculty Board

**HPS Representative:** Tim Lewens



# Examiners

## **NST Part IB History and Philosophy of Science**

**Senior Examiner:** Alex Broadbent

**External Examiner:** Professor John Dupré (University of Exeter)

**Examiners:** John Forrester, Stephen John, Eleanor Robson

## **NST Part II History and Philosophy of Science**

**Senior Examiner:** Tim Lewens

**External Examiner:** Professor John Henry (University of Edinburgh)

**Examiners:** Lauren Kassell, Sorin Bangu, Richard Barnett, Kevin Brosnan, Nicky Reeves

## **BBS Part II History, Ethics and Medicine**

**Senior Examiners:** Vanessa Heggie, Kevin Brosnan,

**External Examiner:** Dr Ulf Schmidt (University of Kent)

## **MPhil**

**Senior Examiner:** John Forrester

**External Examiner:** Dr Greg Radick (University of Leeds)

# Prizes, projects and honours

## Student prizes

**Jonathan Birch** was awarded the Twelfth Annual Jennifer Redhead Prize for the best performance in the essay component of the MPhil.

**Jonathan Birch** was awarded the Sixth Annual Rausing Prize for the best performance in the dissertation component of the MPhil.

**James Hall** and **Hannah Walsh** were jointly awarded the 2009 Jacob Bronowski Prize for the best performance in the HPS Part II course.

**James Hall** was awarded the Third Annual Frances Willmoth Prize for the best performance in the dissertation component of the HPS Part II course.

## New research projects

### **Arts and Humanities Research Council:**

**‘The History of the Board of Longitude, 1714–1828: Science, Innovation and Empire in the Georgian World’, Simon Schaffer, Collaborative Project, May 2010 to April 2015, £925,220**

This is a joint project of the Department of History and Philosophy of Science, University of Cambridge, and the National Maritime Museum (NMM), Greenwich, under the direction of Simon Schaffer (Professor of History of Science, Cambridge), Richard Dunn (Curator of History of Navigation, NMM) and Rebekah Higgitt (Curator for History of Science and Technology, NMM). The project also employs two postdoctoral researchers based in Cambridge, Alexi Baker and Nicky Reeves.

The project will result in the first comprehensive history of the Board of Longitude, examining its changing role as an influential player in Georgian culture. The Board’s papers in Cambridge University Library offer rich but underused evidence of ingenuity and invention during the Industrial Revolution. They will be researched alongside the NMM’s internationally important collection of instruments and other material evidence of these activities. Principal outputs of the project include a co-authored history of the Board, as well as journal articles and edited collections of studies on these themes, alongside exhibitions and installations within the Museum.

### **Wellcome Trust:**

**‘Generation to Reproduction’, Nick Hopwood et al, Strategic Award, October 2009 to September 2014, £785,058**

This grant brings together historians of medicine and biology in HPS (John Forrester, Lauren Kassell and Jim Secord, plus Eleanor Robson as collaborator) with colleagues in Classics (Rebecca Flemming), Physiology, Development and Neuroscience (Martin Johnson), King’s (Peter Jones), Geography (Richard Smith) and History (Simon Szreter) to work on the theme ‘Generation to Reproduction’ that over the last five years the Department has used an enhancement award to develop. We will now range from the deepest antiquity to the present day and bring in new approaches, especially in quantitative social history. For five years from 1 October 2009 the award

will provide £785,000 for PhD studentships, research assistance, research leave, events and outreach, as well as maintaining our entitlement to one quota master's award per year and attracting £46,000 from the Isaac Newton Trust.

### **British Council**

'Darwin and Darwinism between China and Cambridge', Jim Secord, International Network, June 2009 to May 2011, £20,000

### **Department of Culture Media and Sport**

Whipple Gallery Improvement Project, Liba Taub, Gallery, October 2009 to December 2010, £60,000

### **Isaac Newton Trust**

'Generation to Reproduction', Lauren Kassell, Matching Funds Leave Fellowship, Oct 2010 to September 2012, £45,774

'A History of Extreme Exploration Physiology', Vanessa Heggie, Early Career Fellowship, October 2009 to September 2011, £44,924

### **PHG Foundation**

'Causation and Explanation in Epistemology', Alex Broadbent, Workshops, October 2009 to December 2010, £6,000

### **Royal Society**

'Science of Sound', Liba Taub, Exhibition, November 2008 to October 2010, £2,500

### **Wellcome Trust**

'Higher, colder, further: extreme physiology and endurance', Vanessa Heggie, Fellowship, October 2009 to September 2012, £141,576

'Medicine and the Making of English Alchemy, 1300–1700', Jenny Rampling, Fellowship, January 2010 to December 2012, £125,704

'The Casebooks Project: Simon Forman and Richard Napier's Medical Records, 1596–1634', Lauren Kassell, Project, January 2010 to August 2013), £375,000

'To the Present Age and Posterity', Natalie Kaoukji, Fellowship, October 2009 to September 2012, £112,995

## Seminars and special lectures

### Peter Lipton Memorial Conference

A conference was held on Saturday 1 November 2008 to honour the memory of Professor Peter Lipton. Papers were given by David Papineau (KCL), Katherine Hawley (St Andrews), Alexander Bird (Bristol) and Timothy Williamson (Oxford). A memorial service was held the following day, Sunday 2 November, in the Dining Hall at King's College.

### Wellcome Lecture

**Professor Rayna Rapp** of New York University gave the Fourth Cambridge Wellcome Lecture in the History of Medicine on 4 December 2008. The title of the lecture was 'Making the invisible visible: the hidden history of families, schools, civil rights, media and science in the production of learning disabilities'.

### Rausing Lecture

**Professor Pamela H. Smith** of Columbia University gave the Fourteenth Annual Hans Rausing Lecture in the History of Technology and Industry on 28 May 2009. The title of the lecture was 'Local crafts and universal science: lived experience and the written word in the early modern world'.

### Valedictory Lecture

**Professor Martin Kusch** gave his Valedictory Lecture, 'Rulers, clocks and common sense: metrology as a key to Wittgenstein's *On Certainty*', on 4 June 2009.

## Seminars, graduate workshops, reading and discussion groups, and language groups

**Departmental Seminar in History and Philosophy of Science** organised by Lauren Kassell

**Research Topics and Resources Seminars** (first two weeks of Michaelmas Term) organised by Nick Jardine and Eleanor Robson

**History of Medicine Seminars** (Michaelmas and Lent Terms) organised by Vanessa Heggie, Nick Hopwood, Lauren Kassell and Laurence Totelin

**From Generation to Reproduction** (Michaelmas and Lent Terms) organised by Nick Hopwood and Lauren Kassell

**Cabinet of Natural History** organised by Sophia Davis

**Psy Studies Seminar:** History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences, organised by John Forrester and Deborah Thom

**Philosophy of Cognitive Science** (Lent Term) organised by Mark Sprevak

**HPS History Workshop** organised by Iris Montero

**Philosophy Workshop** organised by Mark Sprevak

**Metaphysics Reading Group** organised by Alex Broadbent

**Science and Literature Reading Group** organised by Daniel Friesner and Melanie Keene

**History and Theory Reading Group** organised by Signe Nipper Nielsen and Nick Whitfield

**Scientific Images Discussion Group** organised by Mirjam Brusius and Geoff Belknap

**Astronomical Images** organised by Katie Taylor

**Evolution Reading Group** (Lent and Easter Terms) organised by Jenny Bangham and Richard Barnett

**Kant Reading Group** organised by Sacha Golob

**Twentieth Century Think Tank** organised by Boris Jardine and Josh Nall

**Latin Therapy** organised by Jenny Rampling and Katie Taylor (language tutor: Debby Banham)

**Greek Therapy** organised by Lydia Wilson (language tutor: Liz Smith)

**Arabic Therapy** (Lent and Easter Terms) organised by Jenny Rampling (language tutor: Lydia Wilson)

# Students

## Student statistics

### Student numbers

<b>Undergraduates</b>	Part II.....	22
	Part II BBS: History and Ethics of Medicine .....	18
	Part IB.....	82
<b>Graduates</b>	MPhil.....	21
	PhD .....	46

### Examination results

<b>Part II</b>	1.....	7	(32%)
	2i .....	15	(68%)
	2ii .....	0	
	3.....	0	
	Fail .....	0	
<b>Part II BBS: History and Ethics of Medicine</b>	1.....	1	(6%)
	2i .....	12	(66%)
	2ii .....	4	(22%)
	3.....	0	
	Fail .....	1	(6%)
<b>Part IB</b>	1.....	15	(18%)
	2i .....	37	(45%)
	2ii .....	26	(32%)
	3.....	3	(4%)
	Fail .....	1	(1%)

### Graduate degrees awarded

MPhil degrees awarded.....	20
PhD degrees awarded.....	9

# Part II essay and dissertation titles

## Primary source essays

### **Paper 1: The Pseudo-Aristotelian *Problems***

Infinity, mathematics and physics in the *Problems*, Book XV

‘Metaphors are poetical’: comparing the use of analogy in the treatment of the sea in the Pseudo-Aristotelian *Problems* and Aristotle’s *Meteorology*

The roles of experts in Pseudo-Aristotle’s *Problemata*

### **Paper 2: Six Discourses delivered by Sir John Pringle**

An analysis of self-aggrandisement in Pringle’s *Discourse Upon Some Late Improvements of the Means for Preserving the Health of Mariners*

Multiple invocations of Newton are seen throughout Pringle’s discourses: what images of Newton are presented and what does this say about the Royal Society?

Rhetorical gestures to completion and experiment in three Pringle discourses

Why did John Walsh win the Copley Medal?

### **Paper 3: Selected letters from Charles Darwin’s correspondence**

Charles Darwin and Alfred Russell Wallace on man: an analysis of their private and public relationship, 1869–1871

Darwin and music: tracing a bad ear’s fascination through correspondence

Darwin’s correspondence and the spectrum of religious belief

Darwin’s correspondence with the gardener John Scott: status and science in the nineteenth century

Darwin’s delay – the evidence of the correspondence

Darwin’s ‘muddle’

Darwin’s problem of reversion

Friendship and confidence: Darwin’s relationships with Lyell and Hooker

Scientific disagreements in correspondence during the 19th century: a comparison of letters between Darwin and Sedgwick, and Darwin and Owen

The correspondence between James Crichton-Browne and Charles Darwin

The place of emotions in scientific life and in the relationship between science and other emotional domains

To drag in immortality: Darwin’s experience with and response to his treatment as a religious authority by his correspondents

What does Darwin’s correspondence suggest about his reaction to emerging Social Darwinism?

### **Paper 4: Bas van Fraassen, *The Scientific Image*, Chapter 2**

Churchland vs van Fraassen. Empirical adequacy: untenable, pragmatic and irrational

Does Musgrave show that the cautious approach of van Fraassen’s constructive empiricism is unnecessary and untenable?

Scientific realism versus constructive empiricism: empirical adequacy and diachronic virtues in relation to van Fraassen’s rebuttal of the ‘Ultimate Argument’

Standing on the shoulders of giants: the community-dependence of observability

Van Fraassen and the natural ontological attitude

Van Fraassen’s argument from the bad lot

### **Paper 6: Sigmund Freud, *Four Short Papers: ‘Negation’; ‘A note upon the “Mystic Writing-Pad”’; ‘Fetishism’; ‘Two lies told by children’***

Freudian lie in ‘Two Lies Told by Children’ and ‘Negation’

Meta-analysis and meta-drama: negation as a tactic of interpretation in Shakespeare’s *Hamlet*

Sex, lies and disavowal: a full evaluation of the reality of sexual difference

## **Paper 7: Helkiah Crooke, *Microcosmographia*, Book 4**

A study into the roles of heat within Book 4 of Helkiah Crooke's *Microcosmographia: A Description of the Body of Man*

'And so Nature made another sex'

Attitudes towards the womb, its role in disease and its potential for movement in Helkiah Crooke's *Microcosmographia*  
Crooke and the historiography of the one sex model

'It were to be wished that all men would come to the knowledge of these secrets with pure eyes and eares.' The controversies surrounding the publication of Crooke's *Microcosmographia*

'That the wombs of women are the causes of all diseases': the diseased womb in Crooke's *Microcosmographia*

The epitome of the body and the epitome of the world: seed as a means to an end in Helkiah Crooke's *Microcosmographia*

Was there eroticism in Book 4 of Helkiah Crooke's *Microcosmographia*, and if so, who was responsible?

## **Paper 8: Report of the Inter-Departmental Committee on Physical Deterioration**

Degenerate spaces or rooms for improvement? The role of the public house in national deterioration, as represented in the Report of the Inter-Departmental Committee on Physical Deterioration

Domestic science: making school meals and cookery lessons into scientific subjects

Governmentality, power and the state in the 1904 Report

How are the Irish used to reflect British fears of degeneration in the Inter-Departmental Report on Physical Deterioration?

How can exercise prevent degeneration and deterioration: sport in the Inter-Departmental Report

Women and the state of the nation's health: women's roles and responsibilities in the Inter-Departmental Report on Physical Deterioration

## **Paper 9: C.P. Snow, *The Two Cultures and the Scientific Revolution*, and F.R. Leavis, *Two Cultures? The Significance of C.P. Snow***

Arguments within *The Two Cultures* and *Two Cultures? The Significance of C.P. Snow* examined through rhetoric

Satirical characterisations of the Two Cultures controversy

'The Two Cultures'? The significance of the rich and the poor

# Dissertations

Are religious and scientific explanations for miracles reconcilable?

Butler's Darwinian utopia

Comment and critique: science in the *Comic Annual*, 1830–1842

Counting on Cantor: paradoxes of the infinite and Cantorian set theory

Ethical stances on eugenics

Eutocius' mathematical anthology

How did Darwin view the professionalisation of science?

Is the sociology of scientific knowledge compatible with scientific realism?

Menstruation in early modern England: were women's bodies inferior or powerful?

Monastic medicine in the visitation records of Eudes Rigaud, Archbishop of Rouen (1248–75)

Peter Parley's science: useful knowledge for children in the nineteenth century

Plague and syphilis tracts, 1500–1640: medical treatises or commercial advertisements?

Sound and the unborn in the late 20th century

The image of anatomical study: bringing autopsy back into the public domain

The introduction of the tea crop into Assam in the first half of the nineteenth century

The relationship between British medical research and the exhibition of human curiosities: from 'the Irish giant' to 'the elephant man'

The shifting boundaries between bad/mad during the 19th century: a contextualized comparison between British and French views

The uses of hashish and opium in medicine and culture in the Romantic Period

Thomas Kuhn

Thomas Sydenham (1624–1689): the 'English Hippocrates'?

Using the British Museum



# MPhil essay and dissertation titles

## Emily Alden

### *Essays*

Definitions and constructions of risk: breast cancer and the BRCA genes in the British print media  
(supervised by Vanessa Heggie)

George Cheyne's case histories: publicity and practice in Enlightenment medicine (supervised by Lauren Kassell)

Image guided medicine: the MRI and the practice of sports medicine in Britain (1960–1995)  
(supervised by Nick Hopwood)

### *Dissertation*

Finding the edge of life: cases and observations on life, death and drowning, 1744–1800 (supervised by Lauren Kassell)

## Jenny Bangham

### *Essays*

Transatlantic controversies over nuclear transplantation and totipotency, 1950–1980 (supervised by Nick Hopwood)

Darwinism in late nineteenth century anthropology (supervised by Jim Secord)

Social biology and population improvement in the works of Hogben and Needham in the 1930s  
(supervised by Nick Jardine)

### *Dissertation*

Uses of the Rhesus blood group system in transfusion medicine, genetics and anthropology, 1940–1960  
(supervised by Nick Hopwood)

## Michael Barany

### *Essays*

Materializing Edinburgh in Egypt: the five inch Great Pyramid standard of C. Piazzzi Smyth  
(supervised by Nicky Reeves)

'That learned men maie se[e], to practise their pennes': practices of truth in early modern English geometry  
(supervised by Jackie Stedall)

Quantitative epistemology and the structure of logical knowledge (supervised by Sorin Bangu)

### *Dissertation*

Prehistories of counting (supervised by Eleanor Robson)

## Jonathan Birch

### *Essays*

Irretrievably confused? The explanatory role of innateness in biology (supervised by Tim Lewens)

Duties concerning animals in Kantian ethics (supervised by Angela Breitenbach)

Self-locating belief and scepticism (supervised by Alex Broadbent)

### *Dissertation*

Teleological explanation (supervised by Tim Lewens)

## Sophie Brockmann

### *Essays*

The golden road to China: cartographical representations of the Burma–China railway project, c.1881–5  
(supervised by Nicky Reeves)

The meteorite collection in Vienna's newly-established natural history museum (1889) (supervised by Nick Jardine)

Central European alchemists in London (late seventeenth century) (supervised by Lauren Kassell)

### *Dissertation*

Subversive science? The construction of 'local' and 'useful' science in late colonial Central America  
(supervised by Nick Jardine)

## **Rebecca Brown**

### *Essays*

Long in the tooth: a study of a set of papier-mâché horses teeth (supervised by Liba Taub)

Is cultural change 'evolutionary'? (supervised by Tim Lewens)

Decision making and paternalism in medical ethics (supervised by Stephen John)

### *Dissertation*

(Dis)agreement in the philosophy of risk: when participation meets paternalism (supervised by Tim Lewens)

## **Alice Clarke**

### *Essays*

Epistemological problems of testimony (supervised by Kevin Brosnan)

Capacity for consent in psychiatric care (supervised by Tim Lewens)

The humanity formula in Kant's moral philosophy (supervised by Jens Timmermann)

### *Dissertation*

Moral realism (supervised by Tim Lewens)

## **Gerardo Con Diaz**

### *Essays*

Combe, Cox and other Christians: religious discourse in the *Phrenological Journal and Miscellany* (supervised by Jim Secord)

The poetic protest: AIDS, mourning and performance in Paul Monette's *Love Alone* (supervised by Ayesha Nathoo)

The life of a working man: James Croll and nineteenth-century autobiography (supervised by Jim Secord)

### *Dissertation*

'The monster has walked out of the hole': memory, plagues and representations of the past in literature about AIDS (supervised by Richard Barnett)

## **Matthew Drage**

### *Essays*

Touch and reality: materialism and immaterialism in Berkeley's *New Theory of Vision* (supervised by Marina Frasca-Spada)

'...This damnable psychology...!' Dostoevsky, psychoanalysis and the knife that cuts both ways (supervised by John Forrester)

Logical positivism and the unity of science (supervised by Nick Jardine)

### *Dissertation*

Interpreting Hume's *Dialogues Concerning Natural Religion* (supervised by Marina Frasca-Spada)

## **Hong Hai**

### *Essays*

Why I caught a cold: contrastive explanation and disease causation (supervised by Alex Broadbent)

Translating ancient technical terms: the terminology of traditional Chinese medicine (supervised by Christopher Cullen)

Notions of depletion and repletion in ancient Greco-Roman and Chinese medicine (supervised by Laurence Totelin)

### *Dissertation*

Contrasting paradigms of traditional Chinese medicine and Western medicine (supervised by John Forrester and Christopher Cullen)

## **Ruth Horry**

### *Essays*

Botany of the air: experiments, airships and agriculture in 1930 (supervised by Jim Secord)

BM 92668: a study of a Babylonian clay model of a sheep's liver in the British Museum  
(supervised by Eleanor Robson)

Atomic representations in the 1951 Festival of Britain (supervised by Patricia Fara)

### *Dissertation*

'Materials for a history of science in Cambridge': meanings of collections in the 1944 scientific instrument exhibition at the University of Cambridge (supervised by Liba Taub)

## **Mark Janoff**

### *Essays*

The ontological status of observables: a 'weakening' strategy (supervised by Sorin Bangu)

Self knowledge: 'inner sense' or rationality? (supervised by Mark Sprevak)

Harman vs Sturgeon on explanatory impotence in ethics (supervised by Kevin Brosnan)

### *Dissertation*

Mathematics and the physical sciences (supervised by Sorin Bangu)

## **Emily McTernan**

### *Essays*

The non-identity problem and intuitive moral judgements (supervised by Kevin Brosnan)

Are there laws of ecology? (supervised by Tim Lewens)

Social psychology and virtue ethics (supervised by Kevin Brosnan)

### *Dissertation*

Bioethics and virtue ethics (supervised by Stephen John)

## **Deirdre Moore**

### *Essays*

Aristotle and Herophilus: conceptions of heart and brain function (supervised by Laurence Totelin and Geoffrey Lloyd)

Christopher Wren: 'medical pursuits' (supervised by Lauren Kassell)

Images of Charles Darwin in Elizabeth Gaskell's *Wives and Daughters* (supervised by Jim Secord)

### *Dissertation*

Herophilus' pulsating medicine (supervised by Laurence Totelin)

## **Amber North**

### *Essays*

The dangers of getting too folksy: causation as a thick concept (supervised by Alex Broadbent)

Re-thinking the experience machine (supervised by Tim Lewens and Hallvard Lillehammer)

The problem of moral explanation (supervised by Simon Blackburn)

### *Dissertation*

Reducing reductionism (supervised by Alex Broadbent)

## **Emma Perkins**

### *Essays*

Navigation and drainage according to Thomas Badeslade (1725): the role of maps and Newtonianism  
(supervised by Frances Willmoth)

Changing approaches to the history of collections: the case of the Tradescant Collection (supervised by Nick Jardine)

Draper's *History of the Conflict Between Religion and Science* (supervised by Andrew Cunningham)

### *Dissertation*

Tycho Brahe's architectural images of his observatories on the island of Hven (supervised by Liba Taub)

## **Clare Roche**

### *Essays*

Furthering the cause: the Birkbeck anatomy lectures in 1827 (supervised by Jim Secord)

‘Agents of a new phase of evolution’: the Cambridge University Eugenics Society (supervised by Richard Barnett)

Pinnacles of achievement: investigating Victorian lady mountaineers (supervised by Vanessa Heggie)

### *Dissertation*

The medicalisation of back pain (supervised by Richard Barnett)

## **Patrick Rogers**

### *Essays*

Thomas Shadwell’s *The Virtuoso* (1676) (supervised by Patricia Fara)

Did Frankenstein’s Monster have a soul? (supervised by Jim Secord)

Images from the French expedition to Bossekop (1838) (supervised by Patricia Fara)

### *Dissertation*

The image of evidence in J. Herschel’s *A Preliminary Discourse on the Study of Natural Philosophy* (1830) and

C. Lyell’s *Principles of Geology* (1830–33) (supervised by Nicky Reeves)

## **Jan Trnka**

### *Essays*

Hans Jonas and teleology in biology (supervised by Angela Breitenbach)

The ‘transmethylation’ hypothesis (supervised by John Forrester)

Ethics of cognitive enhancement (supervised by Kevin Brosnan)

### *Dissertation*

Scientific heresy and orthodoxy – a case study in psychiatric research (supervised by John Forrester)

## **Caitlin Wylie**

### *Essays*

Preparation in action: paleontological skill and the role of the fossil preparatory (supervised by Jim Secord)

Teacher, toy or calculator? Reflections of mathematics, education and society in a 20th-century American object  
(supervised by Eleanor Robson)

When ‘below average’ means ‘diseased’: defining osteopenia in the 1980s and 1990s (supervised by Nick Hopwood)

### *Dissertation*

Nature teaching on the blackboard (supervised by Richard Barnett)

## **Devin Yagel**

### *Essays*

Epigenetics and the units of selection (supervised by Tim Lewens)

Definitions of magic in Europe, c.1200–1600 (supervised by Lauren Kassell)

The Edinburgh Stereoscopic Atlas of Anatomy (supervised by Nick Hopwood)

### *Dissertation*

Public discussion of Darwin’s religious beliefs, 1882–1909 (supervised by Richard Barnett)

# PhD theses

## Awarded

### **Katherine Angel**

‘Psychosomatic histories and the causes of contemporary biomedicine’  
(supervised by John Forrester)

### **Caroline Baumann**

‘Social norms, skills and rational choice’ (supervised by Martin Kusch)

### **Robert Cord**

‘The Keynesian revolution: a research school analysis’ (supervised by Geoff Harcourt)

### **Natalie Kaoukji**

‘Flying to nowhere: mathematical magic and the machine in the library’  
(supervised by Simon Schaffer)

### **Melanie Keene**

‘Object lessons: sensory science education, 1830–1870’ (supervised by Jim Secord)

### **Elselijn Kingma**

‘Health and disease: defining our concepts’ (supervised by Tim Lewens)

### **Sharon Ku**

‘There’s plenty of room at the bottom: a sociology of nanodrug standardisation’  
(supervised by Martin Kusch)

### **Nicky Reeves**

‘Constructing an instrument: Nevil Maskelyne and the zenith sector, 1760–1774’  
(supervised by Simon Schaffer)

### **Adam Toon**

‘Models as make-believe’ (supervised by Martin Kusch)

## Submitted

### **Tamas Demeter**

‘Mental fictionalism’ (supervised by Martin Kusch)

### **Sacha Golob**

‘Intentionality, freedom, method: theoretical and practical philosophy in Kant and Heidegger’  
(supervised by Nick Jardine)

### **Margaret Olszewski**

‘Papier-mâché flowers, fruits and seeds: the botanical teaching models of Dr Auzoux’  
(supervised by Liba Taub)

# The Library

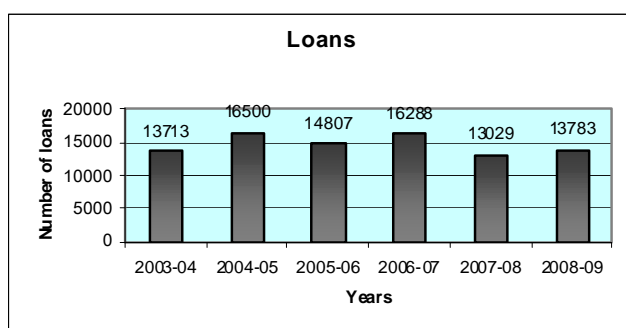
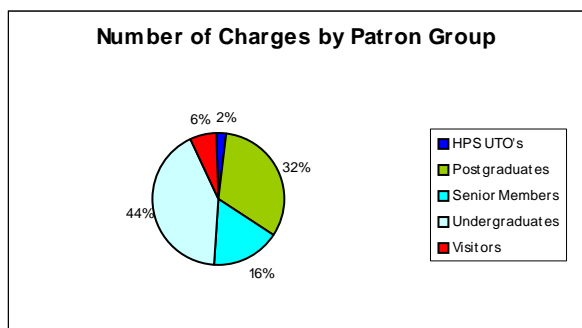
## Annual report of the Whipple Library

In addition to day-to-day activities, the Library's main task this year has been to settle into its new surroundings and undertake some important related tasks. These have included reorganising collections in order to make them more accessible to users, cataloguing a number of large gifts, establishing a new Collections Development Policy and Disaster Policy, and creating a new library website. This year the Library has been staffed by Tim Eggington (Librarian) and Dawn Moutrey (Library Assistant) with part-time assistance from Steve Kruse and Agnieszka Lanucha.

## Reader statistics

Readers have enjoyed the new library, and in particular its diverse kinds of study spaces, as well as the greatly increased numbers of books and journals now on open access. Despite the escalating availability and use of electronic resources, the year saw an increase in book loans (13,783 items compared with 13,029 last year) with UTO book issues increasing from 945 last year to 1557 this year.

219 Store requests were made compared with 294 last year. This reduction results from this year's project to transfer 20th century books from the store to the open shelves.



## Top five most borrowed books

Charges	Shelf mark	Book
60	L3.BOW 1	P. Bowler, <i>Making modern science</i>
46	W7.BYN 2	W. F. Bynum, <i>Science and the practice of medicine in the nineteenth century</i>
46	V3.JAR 1	N. Jardine, <i>Cultures of natural history</i>
38	V.BOW 1	P. Bowler, <i>Fontana history of the environmental sciences</i>
38	W.POR 6	R. Porter, <i>Greatest benefit to mankind : a medical history of humanity</i>

## Electronic developments

Further Whipple journal subscriptions became available online whilst some significant enhancements were made to the provision of HPS relevant electronic resources by the UL. Particularly important amongst these were the following (links to which can be found from the Whipple Library web pages):

- Dictionary of Scientific Biography
- Oxford Reference Online
- Oxford Scholarship Online
- Eighteenth Century Collections Online (ECCO) Part 2
- 17th and 18th century Burney Collection of newspapers

Also, the Web of Science Citation coverage was extended to include retrospective data from 1900 and the Springer Online Archive coverage was extended before 1997 thanks to the University-wide Journals Coordination Scheme.

Finally, following requests from the Department, the Ebooks@cambridge collection has now built up a significant number of texts on HPS reading lists. This is a welcome development both for students and for the Whipple Library books budget. A list of HPS ebooks can be seen on the ebooks section of the new Whipple Library website.

## Journals

This year the libraries of the SHSS joined the University's Journals Coordination Scheme. This department has allowed a proportion of its journals subscriptions to be included in the scheme. The scheme's purpose is to achieve a more strategic approach to University-wide journal provision, to maximise buying potential, and facilitate the acquisition of journal bundles. The Whipple Library continues to subscribe individually to those journals not included in the scheme. The Whipple Library now receives a total of 83 periodical titles (including those in the JCS) of which are also available in electronic form.

## New acquisitions

The Library's holdings now stand at 41,751 books and pamphlets.

The Library has received several donations throughout the year for which it is most grateful. The largest was a gift from Gerard Turner of 275 microscopy books and journals dating from the 19th and 20th centuries. The latter, along with the collections of Stephen Mason (173 history of Science books) and Peter Lipton (480 philosophy books) have all been catalogued this year, raising the annual total of titles accessioned and processed to 1555 (a Whipple Library record).

The Department continued to fulfil its official role in advising science departments in their disposal of books.

The Whipple continued to benefit from the support offered by Cambridge University Press to College and University libraries, through the allocation of £2,600 for the purchase of Press titles.

The following rare book acquisition was made:

Apian, Peter and Gemma Frisius, *Cosmographia, sive, Descriptio vniversi orbis* (Antwerp, 1584).

## Transfers from store

A large proportion of the Library's efforts this year were devoted to the transfer of books from library stores and cupboards to the open shelves. This entailed classification and labelling of around 2000 books along with the editing of their catalogue records. The increased open access of the Library's collections (especially, its important collected editions) has been widely appreciated by users. This project is ongoing.

## New collection development policy

This provides a revised framework for the development of the collection, aiming for the most efficient possible use of budget, space and staff time. Fundamental to the policy is the Library's relationship with the Whipple Museum and support of departmental teaching and research. Efforts have been made to achieve an integrated relationship between print-based collections in the Whipple and elsewhere in Cambridge as well as with centrally financed electronic resources. The policy is to be reviewed annually, and can be found on the Library's website.

In a related development, informal links have been established between the Whipple and University Library collection managers. All HPS UTO book suggestions the Whipple is unable to purchase are now being referred for purchase to the UL. This has achieved a welcome degree of coordination between the collection development of the two libraries. Most importantly, the system should help to improve coverage of HPS related books across Cambridge.

## Whipple rare books

The Darwin anniversary year has been marked with an exhibition of Darwin books in the Whipple Library display case, organised with the assistance of Jim Secord (an online version can be seen on the Library special collections web pages). Darwin-related Whipple books were also included in the Whipple Museum exhibition *Darwin's Microscope* and the Fitzwilliam Museum exhibition *Endless Forms: Charles Darwin, Natural Science and the Visual Arts*.

In the summer the Rare Books Group of the Chartered Institute of Library and Information Professionals visited the Whipple Museum and Library as part of their annual conference, held in Cambridge this year. Ruth Horry and the Librarian gave brief talks about Whipple instruments and rare books and a selection of early history of science books was displayed.



## New Library website

The Whipple Library website has been completely redesigned thanks largely to the efforts of David Thompson. In its new form, the site contains much additional content, and acts both as a guide to the Whipple Library and as a gateway to HPS-related library resources (including HPS e-resources, e-journals, catalogues, websites etc). The content of the site is under constant review.

# The Museum

## Annual report of the Whipple Museum of the History of Science

### Special projects

#### Science of Musical Sound

In 2007 the Whipple launched a project, The Science of Musical Sound, with a grant from the Newton Trust. The SMS project aims to increase interest in, and public understanding of, the history of interaction between music and science. During 2008–09 the Whipple was awarded additional funding to support this project, from the Designation Challenge Fund (DCF), for Audience Development. A new section of our *Explore* website has been launched, written by Torben Rees and Jonah Lipton, focusing on instruments in the collection relevant to acoustics. The DCF grant has been used to develop, with the help of CARET, new interactives for this section of *Explore*; these will launch soon, and will be accessible in the galleries on computer stations supplied through the DCF grant.

#### Globes

Another new project, aimed at increasing public access to the Whipple's impressive and diverse collection of globes, was launched in the summer of 2008, with support from Dr Anita McConnell, the Ann D Foundation and the Designation Challenge Fund. As part of the project, a special exhibition of our globes opened in September 2009 and will run until December 2009; Josh Nall took the lead on this, with help from other members of the Whipple team. A new section of *Explore*, created by Josh Nall and Ruth Horry, focusing on globes, has now been launched; a number of other people contributed their research to this. In addition, Syliva Sumira, the noted globe conservator, was funded to work eight of our globes, with support (£4640) from the PRISM Fund (for Preservation and Restoration of Industrial and Scientific Material); these globes have now returned to the Whipple.

#### Poet-in-Residence

In early 2009 the Whipple acquired its very own Poet-in-Residence. Kelley Swain's first collection of poems, *Darwin's Microscope*, has recently been published by Flambard Press and she has joined the Whipple to facilitate poetry-based events and outreach activities, as well as using the Museum galleries as inspiration for future work. It is hoped that Kelley's work will encourage new audiences to the Museum and foster relationships between art and science. The first event was held on 23 July; Kelley gave a lunchtime reading from her book, *Darwin's Microscope*, in the New Gallery and inspired a general discussion about poetry and science among the attendees. This first event from Kelley proved popular and we hope that more can be organised during her time at the Whipple. Trevor Philip and Sons has provided seed-funding to help launch this project.

# Exhibitions

In addition to the display of Globes, the following new displays were mounted:

## **The New Gallery**

The New Gallery, which was created out of a portion of the old Whipple Library space in 2007, is gradually taking shape. It will eventually become a gallery dedicated to the history of 20th-century science and already houses a large industrial electron microprobe. Other objects that will be housed in the gallery in the future include a prototype confocal microscope from the Laboratory of Molecular Biology, a pair of cyclotron dees from the Cavendish Laboratory, and a valve board from the first computer that was developed in Cambridge.

In the meantime the gallery has proved to be an excellent space for talks and activities and it is currently home to our recently opened exhibition, *Darwin's Microscope*.

## **Darwin Exhibition**

In the beginning of July the Whipple's exhibition *Darwin's Microscope* opened to the public to coincide with the week-long Darwin festival which took place throughout Cambridge.

In 1847 Charles Darwin purchased a large compound microscope, made by the firm Smith and Beck. He first used this microscope in his study of barnacles; work that was informed by his theory of evolution, and also helped to verify the theory. Darwin's microscope, and the manuscript documents that accompany it, are the centrepiece of a wide-ranging new display at the Whipple Museum that surveys two centuries of engagement with Darwin and evolutionary ideas.

The exhibition also features a display of rare evolutionary books from the decades before the *Origin of Species* and material relating to the early history of the Darwin Correspondence Project. Visitors are invited to explore the extraordinary world of contemporary Darwin memorabilia, from car bumper stickers and postage stamps to tea towels and specially brewed Darwin ales.

This temporary exhibition was produced by special guest curators Melanie Keene, Boris Jardine and Jim Secord, from the Department of History and Philosophy of Science, University of Cambridge, with help from our work placement students and summer interns.

The exhibition will run from July to December 2009, in the New Gallery, and has so far been a great success with our visitors.

You can learn more about Darwin's microscope in the Whipple Museum's *Explore* website.

## **New displays in the Main Gallery**

### ***Bate display***

A new display, focusing on the instrument maker Robert Brettell Bate (1782–1847) and his wife, Anna Maria Brettell Bate, features a pair of pencil sketch portraits of by English artist Leonard Charles Wyon, English, dated 1842 and 1843, respectively (Wh.6262). A number of Bate instruments are also featured, including: a brass circular protractor, c.1825 (Wh.0460); a mid-19th century kaleidoscope (Wh.0109); and a boxwood slide rule for the determination of longitude by the lunar distance method, c.1820 (Wh.2253).

### ***Pomological and plant sciences***

Two summer interns, Becky Brown and Ruth Horry, organized a beautiful new display case featuring various and unusual models of plant material in the Whipple; the centrepiece of the display is a pomological set of twenty-four wax apples, in a display case, from the Botanical Institute of the Royal University of Turin, c. 1900 (Wh.6267).

### ***Recent acquisitions***

A stunning display of recent acquisitions was mounted by David Budd (work experience student), Anna Judson and Charlie Draper (summer interns), with help from Josh Nall (museum assistant). The recent acquisitions case contains newly accessioned objects including: mid-20th century ball-and-stick crystal structure models, by Crystal Structures Ltd., Cambridge, (Wh.6241.2 and Wh.6241.4); a 1950s demonstration model of a cell, (Wh.6230); a 19th-century walking stick telescope by Willson of London (Wh.6133); and sets of faulty and badly designed school protractors on sale in the 1990s, (Wh.6139), which were a gift from a frustrated maths teacher.

In addition, a Gömböc (number 1209) is on display in the Main Gallery. For more information on this special object, see below (under *Donations*).

## **Outreach events**

### **Community Learning and Outreach funding**

The following events were supported by funding from the Community Learning and Outreach fund, made possible by a grant from MLA Renaissance East of England ([www.renaissance-east.org.uk](http://www.renaissance-east.org.uk)).

### **Festival of Ideas**

The Whipple's contribution to the Festival of Ideas began on the evening of 22 October 2008 with a return visit of the hugely popular 'Jazz at the Whipple', following its previous success in April 2008. Again, the Museum's galleries were open for visitors to look around as they enjoyed the music of the Torben Rees Quartet. This was closely followed by an evening lecture by Dr Torben Rees on 29 October, which explored the fascinating history of the scientific understanding of music.

The Festival of Ideas and the Whipple's ongoing Science of Musical Sound project then worked together on an interesting and successful outreach initiative. From 22 October to 2 November a modified Stagecoach bus, known as the ArtSbus, travelled around seven local schools in Cambridgeshire. The project enabled primary and early-year pupils to take part in activities relating to the visualisation of sound.

This project was developed through a partnership between stART (supporting arts development, with funding and support received through the Arts Development Managers from Swavesey, Melbourn, Sawston and Linton Village Colleges), the Festival of Ideas, the Whipple Museum of the History of Science, and the artSbus. The artSbus brought workshops to young people in South Cambridgeshire, using elements of the Whipple's collection as inspiration, and encouraged them to participate in the Festival of Ideas. Workshops were delivered on the artSbus by Sam Bennett, an engineering PhD student at King's College, Cambridge, supported by Gillian Hunter, violinist and Arts Development Manager for the Swavesey area.

Workshops focused on visualising musical sound using a Chladni plates experiment and computer visualisation. The ideas of frequency and volume were introduced, and the concept of sound as vibrations in air. Chladni plates are sheets of metal vibrated by a speaker at different frequencies. When tea leaves are sprinkled on top of them, shapes emerge at resonant frequencies. Short pieces of music were analysed using computer visualisation, including recordings of the students' voices and a violin. The bus accommodated approximately 15 young people for a 30 minute workshop, allowing the artSbus to reach 340 Key Stage 2 and Key Stage 3 children in total, plus 20 young adults with learning difficulties. Young people who participated were encouraged to create a drawing or piece of art that represents their way of 'seeing sound' based on what they had learned in the workshop. These were then displayed at the Whipple Museum during the Festival.

### **Cambridge Science Festival**

This year's annual Cambridge Science Festival took place in March, and the Museum's special Saturday opening on 14 March was very successful. As well as the ever-popular handling trolley and the other activities and trails for children, the Museum also offered a series of talks and hands-on activities relating to the Science of Musical Sound. The talks and activities were coordinated and conducted by Sam Bennett, a PhD student in Engineering, and the day was a huge success with 338 visitors.

As part of the Science Festival events, the Whipple also hosted an evening talk with musical accompaniment on 12 March entitled *A Function of the Time: The Cavendish Society and its Postprandial Proceedings*. The talk was given by Dr Jeff Hughes, Senior Lecturer in the History of Science and Technology at the University of Manchester, and explored the writing of humorous, scientific songs to well-known tunes. These songs about science were a tradition of the research students of the Cavendish Laboratories in the 20th century and were performed each year at their annual dinner. The talk explored what this tradition, known as the 'Postprandial Proceedings of the Cavendish Society', reveals about the culture of the Cambridge physics research community. The event included performances of some of the songs by the HPS chorus, assembled and directed by Dr Torben Rees.

You can visit the *Naked Scientists* website to listen to a podcast report of the Cambridge Science Festival 2009, including a section on the Cavendish Society talk ([www.thenakedscientists.com/HTML/podcasts/show/2009.03.15/](http://www.thenakedscientists.com/HTML/podcasts/show/2009.03.15/) – skip forward to the 42 minute mark to hear an interview with Dr Jeff Hughes and some short excerpts of the songs being sung by the HPS chorus).

### **Mid-air Music at the Whipple**

On Wednesday 6 May a sell-out crowd packed the Whipple Museum's Main Gallery to join theremin player Charles Draper in exploring the mysterious ninety-year history of the theremin, the world's first purely electronic instrument, invented by the physicist Léon Theremin, and the only instrument played without touching. Encompassing events from the Russian Revolution to the present day, Charlie Draper's strange tale of the theremin, which included fantastic performances on the instrument, proved a huge hit. The evening was accompanied by a historical narrative presented by Dr Torben Rees.

## **Art Workshop**

An art workshop took place in the New Gallery of the Museum on 23 June. The workshop ran in conjunction with the Darwin Festival and the Fitzwilliam Museum exhibition *Endless Forms: Charles Darwin, Natural Science and the Visual Arts*. The workshop was part of a programme of events that attempted to offer related outreach activities in other University institutions. The workshop was run by Issam Kourbaj, Artist in Residence at Christ's College, and used the Whipple's collection as inspiration for print-making based on the theme of 'evolution'.

## **Museum Fair**

On Saturday 2 May 2009 the embedded University Museums joined together for a day-long promotional event to raise profiles of the smaller institutions. The day was a huge success with each Museum providing a variety of activities. The event gave the Whipple the opportunity to reach certain audiences that find it hard to visit the Museum during its weekday opening hours; the feedback was extremely positive.

## **Cambridge Collectors Cards**

To encourage visitors to see all of the University Museums and the Botanic Garden, a set of 28 collectors cards were distributed, featuring three objects from each collection. The card featuring the Whipple's papier-mâché horses' teeth (Wh.6135) was especially popular; other Whipple objects included the electrostatic castle (Wh.5194) and the Herschel telescope (Wh.0012).

# **Other events**

## **Antikythera Conference**

In association with the popular exhibition on the Antikythera Mechanism, which opened on 31 July 2008, the Museum hosted a half-day conference on the ancient calculating machine. The conference, *The Antikythera Mechanism Research Project – A Timely Update*, was held on 6 February 2009 and was a collaborative effort between the Department of History and Philosophy of Science and the Classics Faculty. Seventy-five people attended the event, which included discussion about the history of research into the mechanism as well as an update on recent discoveries. The speakers included Mike Edmunds (Cardiff University), Tony Freeth (Antikythera Mechanism Research Project), Yanis Bitsakis (Athens University), Alexander Jones (Institute for the Study of the Ancient World) and Paul Cartledge (Classics).

## **Twilight at the Museum**

On 18 February 2009 the Whipple extended its opening hours from 4.30–7pm. The lights were turned off to provide an unusual and exciting experience for a packed gallery of 302 visitors, in a very dark museum. A trail focusing on the theme of outer space led visitors around the galleries and culminated in them discovering a secret codeword written in UV ink.

## **Television appearances**

This year has seen the Whipple enjoy various television appearances. In January the BBC filmed Dr Patricia Fara, alongside Newton's prism on display in the Main Gallery, to contribute to a feature on the 800th Anniversary of the University of Cambridge.

Following this, ITV Anglia News filmed a series of short pieces during May that included the evening therein concert, the Whipple's collection of calculators, the Gömböc, and the set of papier-mâché horse's teeth by Auzoux to promote the launch of the University Museums' Collectors Cards initiative. The Whipple's Bacon fuel cell was then the focus of filming in July for an episode of the BBC's *The One Show*, celebrating the anniversary of the Apollo moon landing. Later in the same month Channel 4 filmed the inventor James Dyson in the Victorian Parlour for the programme *Genius of Britain*. Mr Dyson was filmed alongside the 18th-century Nairn & Blunt air pump, where he discussed his inspiration and motivation in developing the Dyson vacuum.

## Teaching and research

### Departmental teaching

The Whipple Museum plays an important role in teaching within the Department of History and Philosophy of Science. Lecturers use the Museum displays and the collection to illustrate their own lectures, whilst the Director offers lecture-demonstration classes on instruments, models and collections for Papers 1, 2 and 3. Students have the opportunity to work with the Museum's collection as part of their studies, and in recent years a number of undergraduates and postgraduate theses have been undertaken on objects in the collection.

### Student and staff research

During the period November 2007 to November 2008 historian of medicine Michael Crumplin undertook a volunteer research project to improve the Whipple Museum's catalogue entries for all our medical instruments. Dr Crumplin (author of *Men of Steel: Surgery in the Napoleonic Wars* (2007) and Honorary Curator of Instruments at the Royal College of Surgeons of England) reviewed all of our catalogue information and suggested a wealth of important improvements to how the Museum catalogues and describes its medical instruments.

### *Doctoral thesis*

Margaret Olszewski      'Papier-mâché flowers, fruits and seeds: the botanical teaching models of Dr Auzoux in late 19th-century France, Great Britain and America'  
(submitted September 2009)

### *MPhil essays and dissertations*

Michael Barany      'Materializing Edinburgh in Egypt: the five inch Great Pyramid standard of C. Piazzzi Smyth' (Wh.1155)

Rebecca Brown      'Long in the tooth: a study of a papier-mâché set of horses teeth'  
(Wh.6135)

Ruth Horry      'Botany of the air: experiments, airships and agriculture in 1930'  
(Wh.5826)

Ruth Horry      "'Materials for a history of science in Cambridge": meanings of collections and the 1944 scientific instrument exhibition at the University of Cambridge' (dissertation)

Caitlin Wylie      'Teacher, toy or calculator? Reflections of mathematics, education and society in a 20th-century American object' (Wh.5821)

Devin Yagel 'The Edinburgh Stereoscopic Atlas of Anatomy' (Wh.6247)

### ***Publications***

Boris Jardine 'Darwin's microscope', *Bulletin of Scientific Instrument Society*, No. 100 (2009), pp. 4–7 (Wh.1709)

Boris Jardine 'From Humphrey Cole to Henry Coker: a faulty Elizabethan sundial in the Whipple Museum', *Bulletin of Scientific Instrument Society*, No. 100 (2009), pp. 2–3 (Wh.3788)

### ***Papers given at conferences***

Liba Taub 'Different sciences, different audiences', Science on Display: Exploring and Exhibiting Science Artefacts, Royal Society, London

Robin Scheffler 'Finding out about an x-ray crystallography camera' (based on his MPhil essay, 2008, Wh.3469), XXIII International Congress of History of Science and Technology, Budapest, July/August 2009

Liba Taub and Josh Nall 'Selling by the book: scientific trade literature', XXIII International Congress of History of Science and Technology, Budapest, July/August 2009

## **Grants and donations**

### **Royal Society 350th Anniversary Local Heroes Grant**

A Royal Society grant of £2,500 was awarded to the Whipple as part of the Society's 350th anniversary celebrations; we have chosen Lord Rayleigh, the first Chancellor of the University to be awarded the Nobel Prize, as our 'Local Hero'. This funding will be used to help develop an exhibition on Rayleigh's acoustical apparatus, fund outreach activities and hands-on demonstration equipment, as well as promotional material for related events. This exhibition is part of our continuing project on the Science of Musical Sound.

### **Cambridgeshire County Council and Renaissance Museums Development Fund**

After a successful application to the joint Cambridgeshire County Council and Renaissance Museums Development Fund in June, the Whipple received £1,000 to contribute towards the purchase on a new display case. This will support ongoing care of the collection and help keep the Museum up-to-date with professional standards of display. This money will be combined with a special donation from the Ann D Foundation, to enable us to purchase a new display case which meets modern museum standards; we intend to use this case for the first time in our up-coming exhibition on Lord Rayleigh.

### **PRISM Grant Fund**

This academic year the Whipple has been awarded PRISM (Preservation and Restoration of Industrial and Scientific Material) funding of up to £2,000 for the acquisition of acoustic experimental apparatus, as part of the Whipple's ongoing Science of Musical Sound project.



## **Gift of the Gömböc**

### ***Vice-Chancellor visits the Whipple to accept gift of Gömböc 1209***

The Vice-Chancellor of the University of Cambridge, Professor Alison Richard, visited the Whipple Museum on 22 April 2009 to accept on behalf of the University an unusual and fascinating gift to mark the 800th anniversary year.

Hungarian engineering professor Gabor Domokos, currently Visiting Fellow Commoner at Trinity College, was joined by his co-inventor Dr Péter Várkonyi to present Gömböc 1209. First described by Professor Domokos and Dr Várkonyi in 2006, the Gömböc is the first known homogenous convex object with only one stable and one unstable equilibrium point. A unique 800th anniversary edition of the precision-made convex shape, inscribed GÖMBÖC 1209, the year of the University's foundation, was placed by the pair into a display case in the Whipple's Main Gallery.

Professor Domokos said: 'Our goal was to make this shape accessible to the academic community worldwide and if one had to pick one place for this purpose, the Whipple Museum would be the first choice. We are both very glad that our initiative was received so warmly by the University.' The Gömböc has since proved to be an interesting and popular new addition to the displays in the Museum.

## **Tjeerd van Andel Collection**

In June 2009 the Museum was delighted to accept a donation of a collection of the working instruments of Professor Tjeerd van Andel, formerly an Honorary Professor in the Department of Earth Sciences at the University of Cambridge; his research interests lay in climate change and earth-ocean-atmosphere systems. The collection will be a welcome addition to the Whipple's holdings.

## **Other donations**

We are grateful to the special friends of the Whipple for donations (of objects, books, and funds) that support the work of the Museum; generous gifts from Dr Anita McConnell, the Ann D Foundation (both to support student work in the Museum) and Trevor Philip and Sons (for the Poet-in-Residence) have been noted earlier in this annual report.

In addition, The Ann D Foundation donated £5,000, which will be used towards the purchase of a new display case. This donation will provide the Museum with the facilities to continue with its high standards of collection care and management.

Dr Anita McConnell thoughtfully donated special funding to support conservation work on our barometers, enabling Patrick Marney, a barometer specialist, to drain eight of our instruments, so that they can be stored safely.

Professor Gerard Turner generously donated a significant number of volumes from his working library, for use by students and researchers in the Whipple Museum and the Department of History and Philosophy of Science. Saf Waterman kindly donated two mid-20th century sets of molecular models. Shirley Horry gave the Museum a tea set, for use in the Victorian Parlour.

## Staff news

In December 2008 Elizabeth Hart retired as our Museum Attendant after eight years of working in the Whipple Museum. The Museum bid farewell to Elizabeth just before the winter holidays, and Karina Rivadeneira took up the post at the beginning of January 2009.

We also welcomed Jack Hewitson as an intern in January 2009, who came to work in the Museum part-time on a temporary contract that saw him gain experience in a wide variety of museum work. Jack left the Museum in June to take up his place at the Royal College of Music in London.

Derek Scurll took over from Dr Torben Rees as Research Assistant on the Science of Musical Sound project. Derek will continue to organise related events, including evening concerts, talks and other outreach activities, and will play a pivotal role in the forthcoming exhibition on the acoustical work of Lord Rayleigh, which is due to open in the Museum in early 2010.

### Work placements

The Museum is proud to have been able to provide work placements for several students this academic year, funding by the DCF Audience Development grant, as well as through generous donations from Dr Anita McConnell and the Ann D Foundation. Ruth Horry, Rebecca Brown and Emma Perkins, who are HPS MPhil students, joined the Museum staff for the summer months prior to beginning doctoral study in October. They were joined by Melanie Keene, a former HPS PhD student; Michael Coxhead, HPS Part II student, Charles Draper, a first year History student; and Anna Judson, a first year Classics student. These students have all made a valuable and much appreciated contribution to the work of the Museum during their placements.

The Whipple was also host to two work experience placements from local schools. In May, Nathalie Botcherby from Sawston Village College undertook a two-week placement in the Museum where she developed a new gallery trail for teenagers. Similarly, David Budd from Saffron Waldon County High helped in the Museum in late June. These students were able to undertake a varied and interesting work placement where they learnt new skills including photographing artefacts, object handling, condition report writing and exhibition preparation. By providing this work experience, the Whipple is able to offer a special museum training experience to young people in the community, whilst gaining from their interest and enthusiasm.

### Training

November 2008

*Protecting Children and Vulnerable Adults* – run by Fitzwilliam Museum, for embedded University museum staff (Josh Nall and Sarah Robertson)

23 March 2009

*In the Frame: The Conservation of Framed and Paper Objects* – run by Renaissance East of England (Sarah Robertson)

27 July 2009

*Pest Control and Management* – run by Fitzwilliam Museum, for embedded University museum staff (Sarah Robertson)

# Loans

## Loans out

The Whipple Museum continues to receive requests from other museums for the loan of objects from its collection. This is evidence of how highly regarded the collection is both nationally and internationally. The Whipple contributes material to exhibitions in other institutions in order to encourage new research in and public enjoyment of its collection. Below is a list of the borrowing institutions, exhibitions held and the objects borrowed during this academic year.

### ***Sedgwick Museum of Earth Sciences, University of Cambridge***

*Charles Darwin: Becoming a Geologist*, October 2008 – 2013

- (Wh.0244) Simple folding microscope, by Robert Banks, c. 1825
- (Wh.3728) Clinometer, by Canivet, 1770
- (Wh.1503) Wollaston type goniometer, by Cary, c. 1820
- (Wh.3401) Sounder, 'Walker's Harpoon II Depth Finder', by T. Walker & Son, c. 1850

### ***The Royal Society***

*The New Alchemy: Rutherford and the Atom*, November 2008 – June 2009

- (Wh.3370) Dees from the Cambridge cyclotron, c. 1936
- (Wh.3702) Battery of five leyden jars, c. 1825–1875
- (Wh.2050) Series 12 Müller type X-ray tube, early 20th century
- (Wh.2061) X-ray tube by Andrews, 20th century
- (Wh.5815) Set of Courtauld atomic models by Griffin and George, 20th century
- (Wh.4414) Geissler tube with devil's head blown in the glass, c. 1900–1925

### ***Museum of Archaeology and Anthropology, University of Cambridge***

*Assembling Bodies*, February 2009 – October 2010

- (Wh.5851) Philips' fold-out book of human anatomy (female), edited by W.S. Furneaux, c. 1900
- (Wh.4421) Maxwell's colour wheel, Newton & Co., late 19th century
- (Wh.0550) Galton Whistle, by Cambridge Scientific Instrument Company, c. 1900
- (Wh.0549) Points for measuring sensitivity of the skin, by the Cambridge Scientific Instrument Company, c. 1900
- (Wh.3979) Anthropometric head callipers, by Mathieu, 19th century
- (Wh.2974) Monaural stethoscope; c. 1870
- (T761) Telegraph key, 19th century
- (Wh.2689) Tailboard camera, by Dallmeyer, c. 1870
- (Wh.5984) Model of the human eye in the form of a camera obscura, 19th century
- (Wh.4521 & T338) Tintometer, by J.W. Lovibond Ltd and box of tintometer slides, 20th century
- (T50) Plaster model of human head, 19th century
- (Wh.4618) Phrenological head by A.L. Vago, 19th century
- (Wh.2744) Creamware phrenological head by Fowler, c. 1850
- (Wh.1428) Boxed set of post-mortem and dissection instruments, by S. Maw, Son and Thompson, 1870–1901
- (Wh.5893) Papier-mâché and plaster anatomical model of a human, by Dr Auzoux, 19th century
- (Wh.1786) Culpeper type compound microscope, c. 1730
- (Wh.3133) Monaural stethoscope, c. 1900

(Wh.3135) Binaural stethoscope, by Arnold & Sons, 1930s / 40s

***Christ's College Library, Cambridge***

*Charles Darwin: On Land and at Sea*, March – December 2009

(Wh.4510) Mounted aquatint of Cambridge Botanic Gardens, by Stadler, 1815

***Museum of the History of Science, University of Oxford***

*Compass and Rule: Architecture as Mathematical Practice in Early Modern England*,

June – September 2009

(Wh.0446) Wooden carpenter's rule, 1648

**Loans in**

During this academic year, all former long loans to the Whipple Museum have been formalised to reflect current museum documentation standards. The loans have been updated to rolling loans, which will be systematically reviewed on a regular basis. Below are the institutions that have updated rolling loans at the Whipple Museum during the past year.

Cambridgeshire County Council

St Edmundsbury Borough Council

Royal Astronomical Society

Fitzwilliam Museum, University of Cambridge

Science Museum

Department of Physiology, University of Cambridge

St John's College, Cambridge

King's College, Cambridge

Pembroke College, Cambridge

Christ's College, Cambridge

Trinity College, Cambridge

Homerton College, Cambridge

Gonville and Caius College, Cambridge

## New acquisitions

- 6233 Calculator kit used/issued by the Open University with accompanying booklets relating to the 'Microprocessors and Product Development' course, c. 1970
- 6234 Cabinet of 199 geological specimens (minerals, rocks, fossils and shells), with examination sheets, off-print journal articles, and catalogue (part manuscript), arranged by James Tennant, 1872
- 6235 Hand surveying magnetic compass, by Suunto of Helsinki, Finland, c. 1970
- 6236 13-inch letter-opener for the Eastern Telegraph Co. Ltd, showing international telegraph cable routes, English, 1888
- 6237 6-inch lunar (Moon) globe, produced by Camille Flammarion after the map of Casimir Marie Gaudibert, made by E. Bertaux, Paris, France, c. 1895
- 6238 6-inch globe of the Planet Mars, produced by Camille Flammarion after the map of Eugene Antoniadi, made by E. Bertaux, Paris, France, c. 1898
- 6239 Folding boxwood rule, by Henry Sutton, English, 1655
- 6240 20-inch plastic topographical globe of the planet Mars, by Raco Astro, 1978
- 6241 Eight ball-and-stick crystal structure models, by Crystal Structures Ltd., Cambridge, 2/2 20th century
- 6242 5-inch manuscript terrestrial globe, possibly German, 19th century
- 6243 Six images of harmonic vibrations in a picture frame, made using a harmonograph, by J.E. Austin, F.R.A.S., F.G.S., first half of the 20th century

- 6244 1 3/4-inch miniature terrestrial globe, German [probably by MPS], 19th century
- 6245 Surveying compass (a.k.a. mathematical compass), by Henry Sutton, 1661
- 6246 Electrostatic wimshurst machine, in box and including accessories, 1/2 20th century
- 6247 Four boxes of human anatomical stereoscopic slides from the Edinburgh Stereoscopic Atlas of Anatomy, c. 1900
- 6248 13-inch topographical terrestrial globe, 'Räths Relief-Erdgloбус', by Paul Rätth / Rätthgloбен, East German, 1950
- 6249 13-inch celestial globe, made by Columbus-Himmelsgloбус, edited by Johannes Riem, after the cartography of C. Luther, German, c. 1930
- 6250 'Sternprojektor' ('Star Projector') instrument for tracking celestial projection locations onto the world map, by Jakob Uhlmann, Austria, c. 1913
- 6251 Set of three painted metal models showing eight different types of plant germination, by A. Fumeo, Italian, c. 1925
- 6252 Butterfly kit, including net, specimen boxes and specimen display boxes, 20th century
- 6253 13-inch lunar (Moon) globe, by Paul Rätth / Rätthgloбен, East German, 1976
- 6254 Display case containing 10 wax models of the lower jaw of deer, by Hermann Eppler, c. 1930, German
- 6255 Six botanical Models of economic Plants: cacao, tobacco, tea, olives, cotton and coffee, by the 'Laboratorium für Biologie und Projektion', Austrian, c. 1900
- 6256 Box of wood-preparations, containing twenty panels each mounted with dried samples of leaf, wood, flower and seeds, c. 1900
- 6257 Set of six mercury-in-glass hydrometers with measuring vessel, in fitted case, c. 1940
- 6258 Otis King's Patent Calculator, cylindrical slide rule, model E, in fitted box with instruction manual and promotional material, by Carbic Ltd., English, mid 20th century
- 6259 Hutton's Graphic Projector for solid & descriptive geometry, by T. Laurie, English, c. 1900
- 6260 Model G 'Electrobalance' micro-balance, by Cahn, USA, c. 1965, from the Cambridge Department of Zoology
- 6261 Wax model of micro-organism Dinophyta (common name: dinoflagellates) with hand-written description labels in French, after 1885
- 6262 Pair of pencil sketch portraits of the instrument maker Robert Brettell Bate & his wife, Anna Maria Brettell Bate, by Leonard Charles Wyon, English, 1842 and 1843
- 6263 Set of six cardboard Crystal structure models, three with glass faces, by Vaclav Fric, Czech, c. 1890
- 6264 8-inch topographical lunar (Moon) globe, with accompanying map and manual, by Educational Frontiers inc., USA, 1969
- 6265 'The New Slipper Bed Pan', ironstone ceramic bed pan with carrying handle, English, c. 1900
- 6266 Gömböc 1209, self-righting convex homogenous mathematical shape, inscribed with serial number 1209 to celebrate the foundation year of the University of Cambridge, Hungarian, 2009
- 6267 Pomological set of twenty-four wax apples, in display case, from the Botanical Institute of the Royal University of Turin, Italian, c. 1900
- 6268 Glass Helmholtz resonator, late 19th century
- 6269 Five organ pipes by Yeates & Son, Dublin (not an original set). Second half of 19th century.
- 6270 Wind chest for blowing organ pipes, by Rudolph Koenig, French, late 19th century
- 6271 Manometric flame capsule on stand (unknown maker) and rotating four-sided mirror on stand by Phillip Harris & Co. Ltd.; Birmingham and Dublin; late 19th century
- 6272 Singing flame apparatus, by Yeates & Son, Irish, late 19th century
- 6273 Pair of parabolic mirrors for sound experiments, French or German, c. 1840
- 6274 16-inch celestial globe by Denoyer-Geppert Co., Chicago, c. 1956
- 6275 Wall chart by Denoyer-Geppert, 'Our Moon' Science Series, USA, 1961
- 6276 6-inch globe of the planet Mars, by Replogle, after the map of LeRoy M. Tolman, c. 1970, USA
- 6277 Magic lantern slide of the planet Mars, by Carpenter and Westley, c. 1860, London, UK
- 6278 Thirteen magic lantern slides depicting scientific (predominantly astronomical) phenomena, c.1910
- 6279 Kaleidophone, by Yeates & Son, Irish, late 19th century
- 6280 Thirty-nine slides (35mm) of Mariner 9 Mission to Mars showing images of planet and spacecraft, by Finley Holiday Films, c. 1972, California
- 6281 6-inch globe of the Moon, by Replogle (manufactured in Denmark, by Scan-Globe) c. 1971
- 6282 12-inch lunar (Moon) globe, by Replogle, U.S.A., c. 1980–2000
- 6283 Dissected paper globe, with orthographic terrestrial / astrolabic projections, by ES Thomas, South Town, December 1831
- 6284 'Theoria Lunae', Lunar chart with insets of positions and phases of the moon after Doppelmayer, mid 18th century
- 6285 Set of eleven wall charts with colour lithographs of colonial economic plants, artwork by Goering/Schmidt/Bukacz, published by F.E. Wachsmuth, German, c. 1895

- 6286 Compartmented wooden box containing painted wooden and metal components for modelling molecular forms, by Leynbold, post-1952
- 6287 Compartmented wooden box containing plastic components for modelling molecular forms, by Catalin Ltd., c. 1960, Waltham Abbey, Essex, UK
- 6288 Slide rule and case made by Faber-Castell, model 1/98 for use in electrical calculations, c. 1960
- 6289 6-inch globe of the planet Mars, manufactured by Scan-Globe in Denmark, after the map of LeRoy M. Tolman, c. 1970, Denmark
- 6290 Zoological wall chart depicting tortoise (*Trionyx*)
- 6291 Zoological wall chart with diagram showing relationship of ambulatory mammals
- 6292 Zoological wall chart with diagram depicting sheep's brain
- 6293 Zoological wall chart with diagram depicting diptera – thoraces
- 6294 Zoological wall chart with diagram depicting green turtle skull
- 6295 Zoological wall chart with diagram depicting green turtle skull (side view)
- 6296 Zoological wall chart depicting skull of *trionyx*
- 6297 Zoological teaching diagram depicting skull of *Urodela Necturus*
- 6298 Zoological wall chart depicting European brook lamprey (*cyclostome*)
- 6299 Zoological wall chart depicting the mouthparts of the shore crab
- 6300 Zoological wall chart depicting the head and gills of a dogfish
- 6301 Zoological wall chart depicting lower internal organs of the rabbit
- 6302 Zoological wall chart with diagram depicting the upper internal organs of the rabbit
- 6303 Zoological wall chart with diagram depicting molluscs
- 6304 Zoological wall chart with diagram depicting skull of *boa*
- 6305 Zoological wall chart with diagram depicting skull of *amia*
- 6306 Zoological wall chart with two diagrams depicting skull of *sphenodon*
- 6307 Zoological wall chart with diagram depicting the cranial nerves of a whiting
- 6308 Zoological wall chart with diagram depicting the skull of an *amia*
- 6309 Zoological wall chart with diagram depicting the internal organs of *asterias* (a sea star)
- 6310 Zoological wall chart with diagram depicting the skull of a *capitosaurus*
- 6311 Zoological wall chart with diagram depicting sponges
- 6312 Zoological wall chart with diagram depicting the upper circulatory system of a rabbit
- 6314 Zoological wall chart with diagram depicting ventral view of sheep's brain
- 6315 Zoological wall chart with diagram depicting locusts
- 6316 Zoological wall chart with diagram depicting dissection of a rabbit's neck
- 6317 Zoological wall chart with diagram depicting a whelk
- 6318 Zoological wall chart with diagram depicting a dog skull (side view)
- 6319 Zoological wall chart with diagram depicting the nerves of the neck of a rat
- 6320 Zoological wall chart with diagram depicting the skull of a common fowl
- 6321 Zoological wall chart with diagram depicting *Astacus Fluviatilis* (crayfish)
- 6322 Zoological wall chart with diagram depicting a sheep's brain
- 6323 Zoological wall chart with diagram depicting the life cycle of *filaria bancrofti* (parasite)
- 6324 Zoological wall chart with diagram depicting T.S. anterior pharyngeal region
- 6325 Zoological wall chart with diagram depicting skull of an *amia*
- 6326 Zoological wall chart with diagram depicting skull of an *amia*
- 6327 Zoological wall chart with diagram depicting a skull of an *amia*
- 6328 Zoological wall chart with diagram depicting a chaetopterus (or cheatopterus)
- 6329 Zoological wall chart with diagram depicting a *bougainvillea*
- 6330 Zoological wall chart with diagram depicting a *sepia*, male, with mantle cavity opened
- 6331 Zoological wall chart with diagram depicting a *sabella* filament
- 6332 Zoological wall chart with diagrams depicting the head region and transverse section of *Amphiporus* (a marine worm)
- 6333 Zoological wall chart with diagrams depicting galloping horses
- 6334 Zoological wall chart with diagrams depicting the Batesian mimicry of the *Papilio Dardanus* butterfly
- 6335 Zoological wall chart with diagrams depicting Mullerian mimicry in Brazilian butterflies
- 6336 Zoological wall chart with diagram depicting the brain and cranial nerves of a skate
- 6337 Zoological wall chart with diagrams depicting a *sabella*
- 6338 Zoological wall chart with diagrams depicting organs of Teleost and Elasmobranch (ray-finned fish and cartilaginous fish)

- 6339 Zoological wall chart with diagrams depicting the muscles of an arm, probably a bird's
- 6340 Zoological wall chart with diagram depicting the internal organs of a ciona (sea squirt)
- 6341 Zoological wall chart with illustration depicting a metameric arthropod
- 6342 Zoological wall chart with diagram depicting the circulatory system of larval and adult Urodela (salamander) and adult Anura (frog)
- 6343 Zoological wall chart with diagram depicting the internal organs of a ciona
- 6344 Zoological wall chart with diagram depicting unidentified single celled organism (?)
- 6345 Zoological wall chart with diagram depicting the genital organs of a polystomum
- 6346 Zoological wall chart with diagram depicting sabella
- 6347 Zoological wall chart with diagram depicting Sabella, T.S. filament
- 6348 Zoological wall chart with diagram depicting hearts of crocodile and bird
- 6349 Zoological wall chart with diagram depicting heart and lungs of a dogfish
- 6350 Zoological wall chart with diagram depicting sabella 3
- 6351 Zoological wall chart with diagram depicting cyanea
- 6352 Zoological wall chart with diagram depicting muscles of a frog
- 6353 Zoological wall chart with diagrams depicting brains of selachian, teleost, amphibian, reptile, bird, and mammal
- 6354 Two zoological wall charts with diagrams depicting the hearts of a crocodile and bird, and the heart of a mammal
- 6355 Zoological wall charts with diagram depicting the circulatory system of Neoceratodus and Protopterus (lungfish)
- 6356 Zoological wall charts with diagram depicting sabella
- 6357 Zoological wall charts with diagram depicting the indirect flight muscles of Schistocerca
- 6358 Zoological wall charts with illustration depicting Nereis
- 6359 Zoological wall charts with diagram depicting cephalopods
- 6360 Dymaxion globe kit, 'OUR SPACESHIP EARTH', designed according to Buckminster Fuller's 1946 Dymaxion projection, 2002, USA
- 6361 Papier-mâché human anatomical model with detachable limbs and organs, by Auzoux, France, late 19th to early 20th century
- 6362 Deck of manuscript astronomy/geography cards, by Mary Morris, England, 1810s
- 6363 'Globular projection' surveying compass, by Benjamin Martin, English, c. third quarter 18th century
- 6364 Phrenological bust showing the 'Psycho-Physiognomik' theories of Carl Huter, German, c. 1900
- 6365 Eleven point spacing dividers, by Theodore Altoneder and Sons, Philadelphia, USA, mid-late 20th century
- 6366 Gerber variable scale; Gerber Scientific Instrument Company, Hartford, Connecticut, USA
- 6367 18-inch flexible curve rule, by Keuffel and Esser Co.; USA; c.1966
- 6368 Two leather paperweights used in geological mapping, presented to Professor Tjeerd Van Andel by the Rocky Mountain Association of Geologists (RMAG), USA; 1953 and 1962
- 6369 Compensating polar planimeter in green box, Keuffel & Esser Co., U.S.A., c. 1938
- 6370 Map measure in green box, by Hamilton Watch Co. , U.S.A., c. 1950s
- 6371 Proportional dividers in black case; Keuffel & Esser Co.; c. 1867 - 1982
- 6372 Gerber Variable Scale in a brown, leather bound case with a black Allen key; The Gerber Scientific Instrument Company, Hartford, Connecticut, USA; c. 1948–1976

# Individuals

## Annual reports of members of the Department

### Sorin Bangu

Sorin Bangu started a fixed-term position in philosophy of science in October 2008. He has recently been awarded the David Savan Dissertation Prize by the Philosophy Department, University of Toronto for the best dissertation written between 2005 and 2008. In January 2009 he proposed a symposium with international participation to the European Philosophy of Science Association, which has been accepted on the programme of the conference (taking place in Amsterdam in October 2009).

#### Publications

##### Articles in journals

Bangu, S. 'Reifying mathematics? Prediction and symmetry classification', *Studies in History and Philosophy of Modern Physics* 39 (2008), 239–258

##### Reviews

Bangu, S. Review of E. Grosholz, *Representation and Productive Ambiguity in Mathematics and the Sciences*, in *Isis* 100 (2009), 137–139

#### In Press

##### Articles in books

Bangu, S. 'Probability assignments and the principle of indifference. An examination of two eliminative strategies' in M. Suarez (ed.) *Probabilities, Causes and Propensities in Physics*, Kluwer, Synthese Book Library

##### Articles in journals

Bangu, S. 'Understanding thermodynamic singularities. Phase transitions, data and phenomena', *Philosophy of Science*

Bangu, S. 'On Bertrand's paradox', *Analysis*

Bangu, S. 'Wigner's puzzle for mathematical naturalism', *International Studies in Philosophy of Science*

#### Lectures, Seminars and Conferences

##### January 2009

'What piranhas can't do', Explanation, Indispensability of Mathematics and Scientific Realism Workshop, Department of Philosophy, University of Leeds

Comments on D. Rizza's paper, Second Cambridge Graduate Conference on the Philosophy of Logic and Mathematics, University of Cambridge

'Probabilistic indispensability', University of Washington, Seattle

##### February 2009

'Understanding singularities in thermodynamics', Philosophy of Physics Seminar, University of Cambridge

##### March 2009

'Jaynes and Uffink on MAXENT', Philosophy of Physics Seminar, University of Cambridge

'Mathematical and causal reasoning in Dirac's prediction of the positron', Second History and Philosophy of Science Conference, University of Notre Dame

### Debby Banham

This year I've been concentrating on my Anglo-Saxon farming book (Banham, D. and Faith, R. (forthcoming), *Anglo-Saxon Farms and Farming*, Oxford University Press), but I've still had time to give a few papers, including to our own Cabinet of Natural History, continue tutoring the Latin Therapy group, and organise a workshop for September.

#### Publications

##### Online

Banham, D. 'Medical texts in Old English', *The Literary Encyclopedia*, [www.litencyc.com](http://www.litencyc.com)



## Reviews

Banham, D. Review of C. Lee, *Feasting the Dead: Food and Drink in Anglo-Saxon Burial Rituals*, in *English Historical Review* 124 (2009), 669

## In Press

### Articles in books

Banham, D. (2009) 'Race and tillage: Scandinavian influence on Anglo-Saxon agriculture?' in M. Kilpio et al. (eds) *Proceedings of the 2003 Conference of the International Society of Anglo-Saxonists*

Banham, D. (2009) 'The staff of life: cross and blessings in Anglo-Saxon cereal production' in S. Laratt Keefer, et al. (eds) *The Cross in Anglo-Saxon England and on the Continent*

Banham, D. (2009) 'England joins the medical mainstream: new texts in eleventh-century manuscripts' in H. Sauer and J. Story (eds) *Proceedings of the 2005 Conference of the International Society of Anglo-Saxonists*

## Lectures, Seminars and Conferences

### November 2008

'Did the Anglo-Saxons have hops in their beer?', Medieval Diet Group, Somerville College, Oxford

### December 2008

'Fair weather, food, furrows and fields: fundamental change in Anglo-Saxon England', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

### February 2009

'Seedtime and harvest: the annual cycle in Anglo-Saxon life and thought', London Medieval Society, Queen Mary, University of London

### March 2009

'Anglo-Saxon and Viking Cambridge', Between the Islands conference, Department of Anglo-Saxon, Norse and Celtic, University of Cambridge

### April 2009

'The very useful and accessible skill of bending the fingers: finger-counting in Bede's *De temporum ratione*', Bede's World, Jarrow

### September 2009

Organiser with Rachel Ballantyne and Emma Lightfoot, '*Vegetable Love*': *Edible Plants Between Nature and Culture*, CRASSH, University of Cambridge

## Richard Barnett

I joined HPS as a Teaching Associate in September 2008, and have been very grateful for the support provided by the faculty and administrative staff as I found my feet both in the Department and in Cambridge. My main role this year has been to teach on Papers 3, 5 and 8, and to provide supervisions for students taking the History & Ethics of Medicine option. Within the Department I co-convened the Evolution Reading Group, and at CRASSH I continued to co-convene the Health & Welfare Research Group, and co-organised the group's second annual symposium.

Outside departmental life, much of my year has been dominated by the unexpected success of the *Medical London* project – not only a BBC Radio 4 *Book of the Week*, but also a sell-out reading at the Cheltenham Literature Festival and one of the *Guardian* books of the year. This has provided an excellent opportunity to develop my interests in historical outreach. In addition to an on-going programme of guided walks around the history of medicine in London, both for Wellcome Collection and the Mayor of London's 'Story of London' festival, I have been involved in events at the Royal Institution, the University of Delaware summer school and the Royal Society of Medicine. Over a damp and windy weekend in February I took part in the filming of *Trashopolis*, a Discovery Channel documentary on the history of sanitation, and in April I recorded an MP3 audio version of *Blood, Guts, Brains and Babies*, a Wellcome Collection-sponsored guided walk around the history of medicine in Bloomsbury (downloadable from [www.medicallondon.org](http://www.medicallondon.org)). And having been appointed one of the judges for the inaugural Wellcome Trust Book Prize, I'm spending much of the summer knee-deep in the latest hardback history and fiction.

## Publications

### Books

Barnett, R. and Jay, M. (2008) *Medical London: City of Diseases, City of Cures*, Strange Attractor Press for Wellcome Collection

### **Articles in journals**

Barnett, R. 'Lost wax: medicine and spectacle in Enlightenment London', *Lancet* 372 (2008), 366–367

### **Reviews**

Barnett, R. Review of J. Vernon, *Hunger: A Modern History*, in *Lancet* 371 (2008), 889–890

Barnett, R. Review of R. Friedel, *A Culture of Improvement: Technology and the Western Millennium*, in *Annals of Science* 65 (2008), 445–451

Barnett, R. Review of J.R. Allard, *Romanticism, Medicine and the Poet's Body*, in *Medical History* 53 (2009), 158–159

Barnett, R. Review of G. Johnson, *The Ten Most Beautiful Experiments*, in *Lancet* 373 (2009), 536

### **In Press**

#### **Articles in books**

Barnett, R. and Neve, M. (2010) 'Dr Lindsay's lemmings: mad beasts and misanthropy in Victorian Scotland' in M. Pilkington (ed.) *Strange Attractor Four*, Strange Attractor Press

#### **Reviews**

Barnett, R. Review of J.S. Partington (ed.) *H.G. Wells in Nature, 1893–1946: A Reception Reader*, in *Annals of Science* (2009)

Barnett, R. Review of M. Micale, *Hysterical Men: The Hidden History of Male Nervous Illness*, in *International Journal of Men's Health* (2009)

Barnett, R. Review of M. Bostridge, *Florence Nightingale: The Woman and her Legend*, in *Medical History* (2009)

Barnett, R. Review of G. Chamberlain, *From Witchcraft to Wisdom: A History of Obstetrics and Gynaecology in the British Isles*, in *Annals of Science* (2009)

Barnett, R. Review of T.F. Baskett, *On the Shoulders of Giants: Eponyms and Names in Obstetrics and Gynaecology*, in *Medical History* (2010)

Barnett, R. Review of G. Schaffer, *Racial Science and British Society, 1930–1962*, in *Isis* (2010)

### **Lectures, Seminars and Conferences**

#### *November 2008*

'Maternal care, pain relief and hospital birth in twentieth-century Britain', Cambridge Interdisciplinary Forum on Reproduction, University of Cambridge

#### *January 2009*

'Educate or degenerate: science and world history in the popular writings of E. Ray Lankester and H.G. Wells', History of Medicine Research Seminar, Centre for the History of Medicine, University of Glasgow

#### *March 2009*

'Dr Lauder Lindsay's lemmings: mad beasts and misanthropy in a Victorian asylum', Zoologica Fantastica workshop, University of Essex

#### *April 2009*

'Sick city: folklore, medicine and the body in London's history', Folklore of London conference, Folklore Society, Bishopsgate Institute, London

#### *May 2009*

'The *Reports on Confidential Enquiries* and obstetric anaesthesia in Britain, 1928–1957', International Conference on Obstetric Anaesthesia, St Helier, Jersey

#### *June 2009*

'Elusive histories', Methods in Theory and Practice: A Conference for Postgraduate Students in the History of Medicine and Allied Sciences, Wellcome Trust Centre for the History of Medicine at UCL, London

## **Andrew Barry**

Andrew Barry co-convenes the research group on Technological Natures in the School of Geography, University of Oxford, and directs the MSc programme in Nature, Society and Environmental Policy.

### **In Press**

#### **Articles in books**

Barry, A. 'Tarde's method: from statistics to experimentation' in M Candea (ed.) *The Social after Tarde*, Routledge

Barry, A. 'Materialist politics' in B. Braun and S. Whatmore (eds) *Stuff Matters*, Minnesota University Press

Barry, A. 'Pipelines' in N. Thrift, A. Tickell and S. Woolgar (eds) *Globalisation in Practice*, Oxford University Press

#### **Articles in journals**

Born, G. and Barry, A. 'Art-science: from public engagement to public experiment', *Journal of Cultural Economy*

### **Lectures, Seminars and Conferences**

#### *October 2008*

'The curse of economics: oil, conflict and the law', conference on Legal Knowledge and Anthropological Engagement, Newnham College, Cambridge

#### *February 2009*

'Materialist politics', Geographies of Nature seminar, Department of Geography, Open University

#### *March 2009*

'Georgia and the politics of oil', Departments of Political Science & Sociology and Anthropology, Carleton University, Ottawa

'Between geopolitics and science studies', Contentious Knowledge Lecture Series, Departments of Government and Science and Technology Studies, Cornell University

'Materiality, politics and the event', Cambridge University Anthropology Society seminar

'Mixing oil and politics', School of Environment and Development research seminar, University of Manchester

#### *April 2009*

'Making social and environmental impacts visible', plenary speaker, conference on *The Architecture of the Energy (Oil and Gas) Export System of the Caucasus and Central Asia: Now and in The Future*, Harriman Institute/Center for Energy, Marine Transportation and Public Policy, Columbia University, New York

#### *May 2009*

'Art-science: from public understanding to public experiment', Science and Literature seminar, Merton College, Oxford  
Discussant, Waste of the World conference, Royal Geographical Society

#### *June 2009*

'After public engagement? Simulation, security and ontological politics', keynote speaker at 9th Nordic Environmental Social Science conference, *Knowledge, Learning and Action for Sustainability*, University College London

## **Peter J. Bowler**

Peter Bowler will retire from his position as Professor of the History of Science at Queen's University, Belfast, on 30 September 2009. He hopes to spend more time in Cambridge, although this may not be possible until the current round of Darwin bicentenary celebrations dies down.

### **Publications**

#### **Books**

Bowler, P.J. and Pickstone, J.V (eds) (2009) *The Cambridge History of Science*, Vol. 6: *The Modern Biological and Earth Sciences*, Cambridge University Press

#### **Articles in books**

Bowler, P.J. (2009) 'Geographical distribution in the *Origin of Species*' in M. Ruse and R.J. Richards (eds) *The Cambridge Companion to the Origin of Species*, Cambridge University Press, 153–172

#### **Articles in journals**

Bowler, P.J. 'What Darwin disturbed: the biology that might have been', *Isis* 99 (2008), 560–567

Bowler, P.J. 'Darwin's originality', *Science* 323 (2009), 223–226

### **In Press**

#### **Books**

Bowler, P.J. *Science for All: Scientists and Popular Science Writing in Early Twentieth-Century Britain*, University of Chicago Press

Bowler, P.J. *Evolution: The History of an Idea*, reprint of 3rd edition with new preface, University of California Press

## Lectures, Seminars and Conferences

January 2009

'Charles Darwin: the man and the myths', Royal Irish Academy, Dublin

February 2009

'Charles Darwin: the man and the myths', University of Cape Town, South Africa

July 2009

'Popularizing Darwinism in early 20th-century Britain', Darwin 200 Conference, Cambridge

'New initiatives in popular science writing in early 20th-century Britain', International Congress of the History of Science, Budapest

## Michael Bravo

Michael Bravo is a graduate of HPS (PhD 1992) and is currently Senior Lecturer at the University of Cambridge and a Fellow of Downing College. He is based at the Scott Polar Research Institute, Department of Geography, where he is Head of the Circumpolar History and Public Policy Research Group. The group undertakes research relating to knowledge and governance, specialising in the Canadian Arctic, through the lens of international, circumpolar issues.

Bravo has written extensively on the role of scientific research in the exploration and development of the Arctic, exploring issues in the philosophy of experiment such as the nature of precision and calibration. Bravo has been leading an International Polar Year project making a comparative study of the uses of polar research stations. This has enabled his team to begin assembling the first overview of the creation of polar research stations from the 1820s to the present day, linking them to other crucial developments in science such as the laboratory revolution and the invention of international scientific years (e.g. IPYs). Last year Bravo on behalf of an international panel commissioned by the Council of Canadian Academies, authored a report in which recommendations about the priorities of a new Arctic research station were accepted and funded by the Government of Canada.

### Publications

#### Articles in books

Bravo, M.T. (2009) 'Preface: legacies of polar science' in J. Shadian and M. Tennberg (eds) *Legacies and Change in Polar Sciences: Historical, Legal and Political Reflections on the International Polar Year*, Ashgate Press, xiii–xvi

Bravo, M.T. (2008) 'Sea ice mapping: ontology, mechanics and human rights at the ice floe edge' in D. Cosgrove and V. della Dora (eds) *High Places: Cultural Geographies of Mountains and Ice*, IB Tauris, 161–176

Bravo, M.T. (2008) Rapporteur/Lead Writer, International Expert Panel on Science Priorities for the Canadian Arctic Research Initiative, *Vision for the Canadian Arctic Research Initiative: Assessing the Opportunities*, Council of Canadian Academies, Ottawa. Online at [www.scienceadvice.ca](http://www.scienceadvice.ca)

#### Articles in journals

Bravo, M.T. 'Voices from the sea ice and the reception of climate impact narratives', *Journal of Historical Geography*, 35 (2009), 256–278

Paci, C., Hodgkins, A., Katz, S., Braden, J., Bravo, M.T. et al., 'Northern science and research: postsecondary perspectives in the Northwest Territories', *Journal of Northern Studies* 1 (2008), 23–52

## Angela Breitenbach

In 2008/09 Angela Breitenbach lectured for Part II, Papers 5 and 9, and acted as MPhil supervisor and Part IB examiner. She was involved in organising the Fourth Annual Kant Conference, which took place at the Department in May. In October 2008 she was awarded a Humboldt Prize for her doctoral dissertation by the Humboldt University of Berlin. As her three-year research fellowship at Sidney Sussex College is coming to an end, she is preparing to move to the University of East Anglia where she will start a lectureship in philosophy.

### Publications

#### Books

Breitenbach, A. (2009) *Die Analogie von Vernunft und Natur: Eine Umweltphilosophie nach Kant*, Walter de Gruyter

#### Articles in books

Breitenbach, A. (2008) 'Vernunft in der Natur: Umweltphilosophie bei Kant' in V. Rohden, R.R. Terra, G.A. de Almeida and M. Ruffing (eds) *Proceedings of the Xth International Kant Congress*, Walter de Gruyter, Vol. 3, 485–496

Breitenbach, A. (2009) 'Die Frage nach dem Lebendigen in Zeiten biowissenschaftlichen Fortschritts' in A. Trautsch and S. Springmann (eds) *Was ist Leben? Festgabe für Volker Gerhardt zum 65. Geburtstag von seinen Schülern und Kollegen*, Duncker & Humblot, 29–34

#### **Articles in journals**

Breitenbach, A. 'Teleology in biology: a Kantian approach', *Kant Yearbook* 1 (2009), 31–56

Breitenbach, A. 'Umweltethik nach Kant: Ein analogisches Verständnis vom Wert der Natur', *Deutsche Zeitschrift für Philosophie* 57 (2009), 377–395

Breitenbach, A. 'Two views on nature: a solution to Kant's antinomy of mechanism and teleology', *The British Journal for the History of Philosophy* 16 (2008), 351–369

#### **In Press**

##### **Articles in books**

Breitenbach, A. (2010) 'Fakultät', 'Organon', 'Organon der reinen Vernunft' and 'Skandal der Philosophie' in G. Mohr, J. Stolzenberg and M. Willaschek (eds) *Kant-Lexikon*, Walter de Gruyter

#### **Lectures, Seminars and Conferences**

Various presentations at the Kant Reading Group, Department of History and Philosophy of Science, Cambridge

*September 2008*

'Kant on environmental ethics', Workshop on Kant's Practical Philosophy, Newnham College, Cambridge

*July 2009*

'Kant's organic analogy and contemporary biology', The Joint Session, University of East Anglia

## **Elma Brenner**

Elma Brenner became a Research Fellow at Hughes Hall in February 2009. This year she has undertaken archival work in Paris and Rouen, France, and is working on a monograph, *Leprosy and Society in Rouen, c.1100–c.1400*. She is also co-editing two essay collections, *Memory and Medieval France, c.500–c.1400* and *Society and Culture in a Medieval City: Rouen 989–1300*. She has submitted an article, 'Recent perspectives on leprosy in medieval Western Europe', to the online journal *History Compass*. She is Director of the London Society for Medieval Studies, and a Board Member of the International Medieval Society, Paris. In 2008–2009 she lectured for Part II Paper 7, supervised a Part II dissertation, and supervised History Part I Paper 14.

#### **In Press**

##### **Articles in books**

Brenner, E. (2010) 'The leprosy body in twelfth- and thirteenth-century Rouen: perceptions and responses' in S. Conklin Akbari and J. Ross (eds) *The Ends of the Body: Identity and Community in Medieval Culture*, University of Toronto Press

Brenner, E. (2010) 'Outside the city walls: leprosy, exclusion and social identity in twelfth- and thirteenth-century Rouen' in M.M. Cohen and J. Firnhaber-Baker (eds) *Difference and Identity in Francia and Medieval France*, Ashgate

##### **Reviews**

Brenner, E. Review of R.L. Winer, *Women, Wealth, and Community in Perpignan, c.1250–1300: Christians, Jews, and Enslaved Muslims in a Medieval Mediterranean Town*, in *Al-Masaq: Islam and the Medieval Mediterranean* (2009)

#### **Lectures, Seminars and Conferences**

*February 2009*

'Finding and interpreting evidence about the medical care of lepers in medieval Rouen, France', Voluntary Action History Society workshop on *Medicine and Charity in History*, Oxford Brookes University

*March 2009*

'Charters, letters and statutes: the documentary evidence for Rouen's leper hospitals in the twelfth and thirteenth centuries', conference on *Medieval Hospitals* at the King's House, Salisbury, organised by the Wessex Centre for History and Archaeology, University of Winchester

*April 2009*

'Treating the body or caring for the soul? Institutional provision for lepers in Rouen, France, c.1100–c.1400', American Association for the History of Medicine 82nd Annual Meeting, Cleveland, Ohio

July 2009

‘On the edges of society? Leprosy and Christian identity in medieval Rouen’, International Medieval Congress, University of Leeds

## Alex Broadbent

### Publications

#### Articles in journals

Broadbent, A. ‘The difference between cause and condition’, *Proceedings of the Aristotelian Society* 108 (2008), 355–364

Broadbent, A. ‘For analytic bioethics’, *Clinical Ethics* 3 (2008), 185–188

### In Press

#### Articles in journals

Broadbent, A. ‘Causation and models of disease in epidemiology’, *Studies in the History and Philosophy of the Biological and Biomedical Sciences*

Broadbent, A. ‘Fact and law in the causal inquiry’, *Legal Theory*

### Lectures, Seminars and Conferences

#### October 2008

‘Can we blame our brains?’, as part of a panel discussing neuroscience in the law, organised by the Triple Helix Society, Cambridge

#### November 2008

‘Holmesian elimination and Liptonian loveliness’, reply to Alexander Bird at the Peter Lipton Memorial Conference, University of Cambridge

#### December 2008

‘Causation and neglected diseases’, Conference on Neglected Disease Research, Brocher Foundation, Geneva

#### April 2009

‘Causation, models of disease and epidemiology’, Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge

#### May 2009

‘Fact and law in the causal inquiry’, workshop *Causation in Context: Causes and Effects in Law and Philosophy*, Hughes Hall Centre for Biomedical Sciences in Society, Cambridge

#### July 2009

‘Causation and models of disease in epidemiology’, Annual Conference of the British Society for the Philosophy of Science, University of East Anglia

## Mirjam Brusius

Mirjam Brusius continued to co-organise the Scientific Images Discussion Group and participated in the ‘Invisible Seminar’ on the biography of 10 scientific images at the Max Planck Institute for the History of Science and the University of Pisa.

### Publications

#### Articles in books

Brusius, M. (2009) ‘Unschärfe als frühe Fotokritik. Julia Margaret Camerons Frage nach dem Maß der Fotografie im 19. Jahrhundert’ in I. Reichle and S. Siegel (eds) *Maßlose Bilder. Visuelle Ästhetik der Transgression*, Wilhelm Fink Verlag München, 342–358

#### Reviews

Brusius, M. ‘Noch einmal von vorne. Drei neue Publikationen zur frühen Fotografie’, reviews of G. Batchen, *William Henry Fox Talbot*, K. Jacobson, *Odalisques & Arabesques: Orientalist Photography 1839–1925*, and R. Taylor, *Impressed by Light: British Photography from Paper Negatives, 1840–1860*, in *Rundbrief Fotografie*, NF, Heft 61 (March 2009)

## In Press

### Articles in books

Brusius, M. (2009) 'Re-inventing Sinai. Biblical myth, photographic imagination and the arrival of tourism' in A. Hosni (ed.) *Go Down, Moses: a book on South Sinai*, Cairo: Contemporary Image Collective

### Articles in journals

Brusius, M. "'What is focus?'" – Julia Margaret Cameron's early portrait photography', *History of Photography* (2010)

Brusius, M. 'Inscriptions in a double sense: an early scientific photograph of script', *Nuncius: Journal of the History of Science* (2010)

### Reviews

Brusius, M. Review of H. Bredekamp, B. Schneider and V. Dünkel (eds) *Das Technische Bild. Kompendium zu einer Stilgeschichte wissenschaftlicher Bilder*, in *British Journal for the History of Science* (2009)

## Lectures, Seminars and Conferences

### October 2008

'William Henry Fox Talbot and the invention of photography', lecture, Sotheby's Institute, London

'Inscriptions in a double sense: An early scientific photograph of script', The Biography of 10 Scientific Images, Università di Pisa

'"A science not yet ripe enough": William Henry Fox Talbot's early attempts to advance photography in archaeology', Visualisation in Archaeology, University of Southampton

### January 2009

'William Henry Fox Talbot's invisible traces in ancient Mesopotamia: exploring the centres of ancient scripts in Syria', British Institute of Persian Studies Workshop, University of Manchester

### February 2009

'Useful, good and beautiful – William Henry Fox Talbot's invention of the Calotype: a new art and a scientific breakthrough', Natural Dialogues, Art, Science & Material Culture, Yale Center for British Art, Yale University

### April 2009

'Representations in a triple sense – Talbot's photographs of a plaster cast of "Patroclus"', *Multiplying the Visual in the Nineteenth Century*, Columbia University

### June 2009

'Is art historical methodology useful for HPS and how could it be applied?', Scientific Images Discussion Group, Department of History and Philosophy of Science, University of Cambridge

### September 2009

'Nasser Al-Din Shah und die frühe Photographie in Persien zu Zeit der Qajar Dynastie', Forschungskolloquium Prof. Dr Bredekamp, Humboldt-Universität zu Berlin

## Robert Bud

Robert Bud is Principal Curator of Medicine at the Science Museum. This year he was also appointed to the three-year honorary position of Visiting Professorial Fellow at Queen Mary University of London where he has worked with Peter Hennessy on the history of nuclear power. The website entitled 'Brought to Life: Exploring the History of Medicine' ([www.sciencemuseum.org.uk/broughttolife](http://www.sciencemuseum.org.uk/broughttolife)), in whose conception, fundraising and building he took a leading role, was launched in March 2009 and will be enriched to completion early in 2010. This year he has launched a major new project on the history of applied science. He has also been working on the Science Museum's forthcoming science gallery.

## Publications

### Books

Bud, R. (2009) *Penicillin: Triumph and Tragedy*, Oxford University Press, paperback edition

### Articles in books

Bud, R. (2009) 'History of biotechnology' in P. Bowler and J. Pickstone (eds) *The Cambridge History of Science*, Vol. 6: *The Modern Biological and Earth Sciences*, Cambridge University Press, 524–538

### Online

Bud, R. (2009) 'Discoverers and developers of penicillin (act. 1928–1950)', *Oxford Dictionary of National Biography*, online edition, Oxford University Press

## In Press

### Articles in journals

Bud, R. 'A sword from the field of battle: the Double Helix and debates over the secret of life', *British Journal for the History of Science*

## Lectures, Seminars and Conferences

### October 2008

'The creation of the category of "applied science", engineering training and the international circulation of ideas in early 19th-century Europe', Society for the History of Technology meeting, Lisbon

### November 2008

'Power, belief and trust: a context for scholarly priorities in the history of science', *The Exhibition as Product and Generator of Scholarship*, The Deutsches Museum, Munich

### December 2008

'Making sense of change today: through the heritage of science's yesterday', *Material Worlds*, University of Leicester

### January 2009

'From the founding of the Science Museum to the Dawkins bus: 100 years of the Two Cultures', keynote address, *The Two Cultures: Art and Science Today*, London Consortium, The Dana Centre, London

### February 2009

'Wonderdrug: the emergence of antibiotics in the 20th century', Bayer UK

### March 2009

'Making sense of change: "applied science" and the promise of meaning amidst industrial revolution', *Owning and Disowning Invention* workshop, University of Leeds

### May 2009

'Wonder drugs, technical fixes and modernity', keynote address at the *Pharmacy and History* conference sponsored by the Royal Society of Chemistry Historical Group, the Faculty of the History and Philosophy of Medicine and Pharmacy, Society of Apothecaries and the Society for History of Alchemy and Chemistry, London

'Using Kant, Comte and chemistry: making sense of industrial revolution and the origins of the applied science dream', University of Oxford, Maison Française d'Oxford, Oxford Brookes University, Society for the History of Alchemy & Chemistry, Oxford

'Sowing penicillin: Chain, Foster and other Pharmas in the early post-war era', *Innovation Economy and History of Science and Technology: The Making of the Contemporary Pharmaceutical Research System*, Barcelona

### June 2009

'Seeded through wandering craftsmen: the dissemination of penicillin', *Circulation of Antibiotics: Journeys of Drug Standards, 1930–1970*, ESF workshop, Madrid

'When science was natural: the freezing of the concepts of "pure" and "applied" in cold war environments', plenary lecture, *Britain and the Cold War*, CCBH Summer Conference

### July 2009

'Exploding the South Kensington Museum: the formation of the Science Museum', British Society for the History of Science annual meeting, Leicester

### September 2009

'The Two Cultures: a 20th-century dilemma', *Culture Clash: The Two Cultures 50 Years On*, The British Science Festival, Guildford

Local organiser of the 14th Artefacts Conference, held at the Science Museum, on the theme of the representation of science technology relations in museums

## Tatjana Buklijas

In October 2008, Tatjana Buklijas took up a research fellowship at the Centre for Human Evolution, Adaptation and Disease at the Liggins Institute, University of Auckland.

## Publications

### Online

Buklijas, T. and Hopwood, N. (2008) Virtual exhibition *Making Visible Embryos* ([www.hps.cam.ac.uk/visibleembryos](http://www.hps.cam.ac.uk/visibleembryos)). Reviewed in *Nature*, *New Scientist*, *Sapere (Galileo)*, *Bulletin of the History of Medicine*, *Social History of Medicine* and *British Journal of the History of Science*



## Reviews

- Buklijas, T. Review of E. Dietrich-Daum, *Die 'Wiener Krankheit': eine Sozialgeschichte der Tuberkulose in Österreich*, in *Austrian History Yearbook* 40 (2009), 311–313
- Hopwood, N. and Buklijas, T. Media review of the online database of the German Hygiene Museum, Dresden, in *Bulletin of the History of Medicine* 82 (2008), 917–918
- Buklijas, T. Review of D.R. Coen, *Vienna in the Age of Uncertainty: Science, Liberalism and Private Life*, in *Isis* 99 (2008), 631–632

## Lectures, Seminars and Conferences

### September 2008

'The politics of anatomy in late nineteenth-century Vienna', 3rd International Conference of the European Society for the History of Science, Austrian Academy of Sciences, Vienna

### February 2009

'A history of evolution in medicine', BioEd 2009, Allan Wilson Centre for Molecular Ecology and Evolution and the IUBS Commission for Biological Education, Christchurch, New Zealand

### June 2009

'Anatomy in Vienna, ca.1900–1934', seminar series, Josephinum/Collections of the Medical University of Vienna

# Graham Cunningham

As well as contributing to the Geography of Knowledge in Assyria and Babylonia project, Dr Cunningham researches cultural history in the third and second millennia BC.

## Publications

### Articles in books

Cunningham, G. (2008) 'Identifying Sumerian compound nouns' in R.D. Biggs, J. Myers and M.T. Roth (eds) *Proceedings of the 51st Rencontre Assyriologique Internationale, University of Chicago, 2005* (Studies in Ancient Oriental Civilization 62), The Oriental Institute of the University of Chicago, 17–23

## In Press

### Articles in books

- Cunningham, G. (2010) 'Hero and villain: analyses of *Sargon and Ur-Zababa*' in F. Hagen et al. (eds) *Literary-Linguistic Approaches to Narrative: the Ancient Near East (including Egypt), and Neighbouring Regions*, Peeters
- Cunningham, G. (2010) 'Sumerian religion' in M. Salzman and M.A. Sweeney (eds) *Cambridge History of Ancient Religions*, Cambridge University Press
- Cunningham, G. (2010) 'Sumerian word classes reconsidered' in H.D. Baker, E. Robson and G. Zólyomi (eds) *Your Praise is Sweet: A Memorial Volume for Jeremy Black from Students, Colleagues and Friends*, Griffith Institute

# Sophia Davis

Sophia Davis was secretary of the Cabinet of Natural History seminar series. She co-organised the conference 'The right to landscape', held in Cambridge 10–12 December 2008, with Gloria Pungetti, Director of the Cambridge Centre for People and Places.

## Publications

### Articles in journals

Davis, S. 'Raising the aerocompass in early twentieth century Britain', *British Journal of the History of Science* 42 (2009), 73–94

## Lectures, Seminars and Conferences

### September 2008

- 'The military on English soil: the Suffolk coast, 1930–1960', Militarised Landscapes Conference, University of Bristol
- 'A social history of the aerocompass and the Admiralty Compass Observatory', History of Air Navigation Society meeting, Tangmere

October 2008

‘Orford Ness: portents and monuments in the landscape’, Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

November 2008

‘In search of the real England: war in the countryside, 1930–60’, Humanities lunchtime seminar series, Darwin College, Cambridge

June 2009

‘The Awl-birds: a joint enterprise of birds and men’, Garden Party of the Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

## Soraya de Chadarevian

### Publications

#### Articles in journals

de Chadarevian, S. and H.-J. Rheinberger, ‘Introduction’, *Studies in History and Philosophy of Biological and Biomedical Sciences* 40 (2009), 4–5 (introduction to special issue co-edited with H.-J. Rheinberger, *Disciplinary Histories and the History of Disciplines: The Challenge of Molecular Biology*)

de Chadarevian, S. ‘Microstudies versus big picture accounts?’, *Studies in History and Philosophy of Biological and Biomedical Sciences* 40 (2009), 13–19

### In Press

#### Articles in books

de Chadarevian, S. ‘Lebende Moleküle’ in C. Bigg and J. Hennig (eds) *Atombilder: Ikono-graphie des Atoms in Wissenschaft und Öffentlichkeit des 20. Jahrhunderts*, Göttingen: Wallstein Verlag

de Chadarevian, S. “‘Alte’ and “neue” Biologie oder wie molekular ist die Molekularbiologie?” in A. Ofak and P. von Hilgers (eds) *Rekursionen in der Geschichte des Wissens*, Munich: Fink Verlag (revised version of an article previously published in English)

de Chadarevian, S. ‘Viewing chromosomes’ in S. Brauckmann, D. Thieffry, C. Brandt and G. Müller (eds) *Graphing Genes, Cells and Embryos*, MPIWG preprint series

de Chadarevian, S. ‘Mutations in the atomic age’ in L. Campos and A.V. Schwerin (eds) *Making Mutations: Object, Practices, Contexts*, MPIWG preprint series

### Lectures, Seminars and Conferences

October 2008

‘Buildings and landscapes of genomics’, at workshop *Writing Genomics: Historiographical Challenges for New Historical Developments*, Max Planck Institute for the History of Science, Berlin

November 2008

‘Genetics and public health in the 1960s’, History of Science Society annual meeting, Pittsburgh

December 2008

‘The world as laboratory: biologists and the bomb’, Office for History of Science and Technology seminar, Berkeley

January 2009

‘Mutations in the atomic age’, at workshop *Making Mutations: Object, Practices, Contexts*, Max Planck Institute for the History of Science, Berlin

July 2009

‘The world as a laboratory: biologists and the bomb’, plenary lecture, Australasian Association for the History, Philosophy and Social Studies of Science, Brisbane, Australia

“‘More exciting than the back of the moon’”: human chromosome images, 1950s–1960s’, ISHPSSB meeting, Brisbane, Australia (session organiser, ‘Contested objects: X, Y and other chromosomes’)

# Mary Dobson

Mary Dobson contributed to and was an external expert for the audio walk *800 Years of Disease and Death in Cambridge, 1209–2009*.

## In Press

### Books

Dobson, M. (2010) *The Story of Medicine*, Quercus

# Nader El-Bizri

I am a Visiting Professor in visual studies at the University of Lincoln, a Senior Research Associate in philosophy at the Institute of Ismaili Studies in London, and Chercheur Associé in history of science at the *Centre National de la Recherche Scientifique* in Paris. I am also the General Editor of the Oxford University Press *Epistles of the Brethren of Purity* (Arabic-English) book series. I also act as Co-Editor of a series in phenomenology (Kluwer Academic Publishers, Dordrecht), and Editor (Islam Section) of the *Encyclopedia of Sciences and Religions* (Springer, Dordrecht-Berlin). I also serve on the Editorial Boards of *Arabic Sciences and Philosophy* (Cambridge University Press journal), *Toposophia* (series in architecture and philosophy; Lexington Books, Maryland), *Isma'ili Texts and Translations Series* (I.B. Tauris, London), and *Encyclopaedia Islamica* (E.J. Brill, Leiden).

## Publications

### Books

El-Bizri, N. (ed.) (2008) *Epistles of the Brethren of Purity: The Ikhwan al-Safa' and their Rasa'il*, Oxford University Press

### Contributions in books

El-Bizri, N. (2009) Revision of the annotated English translation of Khwarizmi's *Algebra (Kitab al-Jabr wa-al-muqabala)* in R. Rashed (ed.) *Al-Khwarizmi. The Beginnings of Algebra*, SAQI Books, 81–376

### Articles in books

El-Bizri, N. (2008) 'Epistolary prolegomena: on arithmetic and geometry' in N. El-Bizri (ed.) *Epistles of the Brethren of Purity: The Ikhwan al-Safa' and their Rasa'il*, Oxford University Press, 180–213

## In Press

### Articles in books

El-Bizri, N. (2009) 'Foreword' in L.E. Goodman and R. McGregor (eds) *Epistles of the Brethren of Purity. The Case of the Animals vs. Man Before the King of the Jinn. An Arabic Critical Edition and Annotated English Translation of EPISTLE 22*, Oxford University Press

El-Bizri, N. (2010) 'L'Otica di Alhazen e la tradizione della *Perspectiva* rinascimentale' in R. Lupacchini (ed.) *La realtà e il suo doppio: Simmetrie prospettive e numeri complessi tra Rinascimento e fisica quantistica*, Accademia di Belle Arti, Bologna

El-Bizri, N. (2010) 'Classical optics and the *perspectiva* traditions leading to the Renaissance' in J. Hendrix and C. Carman (eds) *Renaissance Theories of Vision*, Ashgate

El-Bizri, N. (2010) 'Creative inspirations or intellectual impasses? Reflections on the relationships between architecture and the humanities' in N. Temple, J. Lomholt, R. Tobe and S. Bandyapodhyay (eds) *Building Metaphors: The Humanities in Design Practice*, Routledge

El-Bizri, N. (2010) 'Corollaries on space and time in Arabic sciences and philosophy' in L. Kavanaugh (ed.) *Chrono-Topologies: Hybrid Spatialities and Multiple Temporalities*, MIT Press

El-Bizri, N. (2010) 'Phenomenology of space and the logos of life' in G. Backhaus (ed.) *The Phenomenology of Life of Anna-Teresa Tymieniecka*, Kluwer Academic Publishers

El-Bizri, N. (2010) 'La phénoménologie et l'optique géométrique' in A. Allard and P. Pietquin (eds) *Actes du congrès de la Société Internationale d'Histoire des Sciences et des Philosophies Arabes et Islamiques*, Cahiers des Etudes Classiques, Namur

El-Bizri, N. (2010) 'La nature dans la pensée arabe' in N. Tazi (ed.) *La nature, collection les mots du monde*, Editions la Découverte, Paris

El-Bizri, N. (2010) 'Galen' in I. Saadat (ed.) *Danish nameh zaban wa adab Farisi*, Tehran

El-Bizri, N. (2010) 'Philosophical discourses in the *Epistles of the Brethren of Purity*' in A. Lalani et al. (eds) *The Shi'i Traditions: Essence and Expressions*, I.B. Tauris, London

El-Bizri, N. (2010) 'Selected metaphysical epistles from the collected works of the philosopher Mirza Abu al-Hasan Jilwa' in S.H. Nasr and M. Aminrazavi (eds) *An Anthology of Philosophy in Persia*, Volume V, Oxford University Press

#### **Articles in journals**

El-Bizri, N. (2009) 'Ibn al-Haytham et le problème de la couleur', *Oriens-Occidens: Sciences, mathématiques et philosophie de l'antiquité à l'âge classique* (Cahiers du Centre d'Histoire des Sciences et des Philosophies Arabes et Médiévales, CNRS)

### **Lectures, Seminars and Conferences**

#### *October 2008*

'Ibn al-Haytham's optics', interview for TV documentary series *The Sciences of the Islamic Civilization* (GAPC Entertainment, Ottawa, Canada)

'Thinking at the limits of scientific classifications: mathematics vs. physics in Ibn al-Haytham's critique of Aristotle', invited speaker at the international symposium *Language and Knowledge in Middle Eastern Societies*, Department of Middle Eastern Studies and the Centre for Research in the Arts, Social Sciences and Humanities (CRASSH), University of Cambridge

'Phenomenological perspectives on Ibn al-Haytham's *perspectivae* tradition', invited speaker, Centre for the Study of Theory and Criticism, University of Western Ontario, Canada

#### *November 2008*

'Vision, light, colour and place: Alhazen's legacy in optics and geometry', invited lecture, Institute of Architecture, School of the Built Environment, University of Nottingham

'Optics and phenomenology of perception: on the visibility of spatial depth', invited lecture, School of Architecture, University of Lincoln

#### *December 2008*

'Phenomenological reflections on the dialectics of reason and spirit', American Philosophical Association (APA) International Conference, Philadelphia

#### *January 2009*

'Ibn al-Haytham, optics and the experimental method in science' and 'The nilometer', two interviews in Cairo on the Nile for episode 2 of the TV documentary series *Science and Islam* (Oxford Scientific Films for BBC Four)

#### *February 2009*

'Ibn al-Haytham's scientific method and his *perspectiva* legacy', two radio interviews conducted at the National Gallery and the Wellcome Trust in London (Whistledown Productions for BBC World Service)

#### *March 2009*

'Alhazen's *Optics* and the Renaissance *perspectiva* traditions', invited speaker at the international colloquium *The Reality and its Double: Perspective Symmetries and Complex Numbers between Renaissance and Quantum Physics*, organised by the Institute of Advanced Studies and the Department of Philosophy at the University of Bologna, in association with the Bologna Academy of Fine Arts

#### *April 2009*

Interview on Ibn al-Haytham and the science of optics for episode 2 of *The Secret Scientists* (BBC World Service)

#### *June 2009*

'The Ikhwan al-Safa' and their *Rasa'il*', keynote at the Annual Meeting of the European Chapter of the Institute of Ismaili Studies Alumni Association, London

'*The Epistles of the Brethren of Purity*', invited public lecture, The Ismaili Centre, Nairobi, Kenya

'*Rasa'il Ikhwan al-Safa' wa Khullan al-Wafa'*', invited public lecture, The Ismaili Centre (Tudor House), Mombasa, Kenya (covered by the national press in Kenya, including *Coastweek*, issue 3225, 19–25 June 2009)

#### *July 2009*

'Science and philosophy in Islamic civilisation', lecturing session in two parts at the summer academic programme *Expressions of Diversity: A Contemporary Introduction to Muslim Cultures*, jointly sponsored by the Centre for Comparative Study of Muslim Societies and Cultures, Simon Fraser University, and the Institute for the Study of Muslim Civilisations, Aga Khan University, London

# Samantha Evans

Editor, Darwin Correspondence Project

## Publications

### Books

Burkhardt, F. et al. (eds) (2009) *The Correspondence of Charles Darwin*, vol. 17, Cambridge University Press

## In Press

### Books

Burkhardt, F. et al. (eds) (2010) *The Correspondence of Charles Darwin*, vol. 18, Cambridge University Press

# Patricia Fara

I have appeared in several radio and TV interviews, have acted as consultant on two children's books about the history of science, and am currently contributing to a six-part BBC series.

## Publications

### Books

Fara, P. (2009) *Science: A Four Thousand Year History*, Oxford University Press

### Articles in journals

Fara, P. 'A microscopic reality tale', *Nature* 459 (2009), 642–644

Fara, P. 'Elizabeth Tollet and her scientific sisters', *History Today*, April 2009, 52–58

Fara, P. 'Grandfather of evolution', *BBC History*, February 2009, 37–40

Fara, P. 'Mathematical figures', *Endeavour* 33 (2009), 47–48

Fara, P. 'Born in 1809: Julia Margaret Cameron's photographs', *Endeavour* 33 (2009), 5–6

Fara, P. 'Mary Somerville: a scientist and her ship', *Endeavour* 32 (2008), 83–85

Fara, P. 'Cartesian visions', *Endeavour* 32 (2008), 126–128

### Reviews

Fara, P. Review of W. Bynum, *Short History of Medicine* and T. Dixon, *Science and Religion*, in *British Journal for the History of Science* 42 (2009), 293–294

Fara, P. Review of M. Jay, *The Atmosphere of Heaven: The Unnatural Experiments of Dr Beddoes and his Sons of Genius*, in *BBC History*, July 2009, 64

Fara, P. Review of A. Desmond and J. Moore, *Darwin's Sacred Cause* and K. Thomson, *The Young Charles Darwin*, in *Journal of Historical Geography* 35 (2009), 614–616

Fara, P. Review of P.H. Smith and B. Schmidt (eds) *Making Knowledge in Early Modern Europe: Practices, Objects, and Texts, 1400–1800*, in *Journal of Historical Geography* 35 (2009), 605–607

Fara, P. Review of D. Rooney, *Ruth Belville: The Greenwich Time Lady* and M. Lemonick, *The Georgian Star: How William and Caroline Herschel Revolutionized our Understanding of the Cosmos*, in *Nature* 455 (2008), 1177–1178

Fara, P. Review of R. Holmes, *The Age of Wonder*, in *Literary Review*, October 2008, 6–7

Fara, P. Review of A. Tosi, *Portraits of Men and Ideas: Images of Science from the Renaissance to the Nineteenth Century*, in *Nuncius* 23 (2008), 454–455

Fara, P. Review of N. Chambers (ed.) *The Scientific Correspondence of Sir Joseph Banks, 1765–1820*, in *Medical History* 52 (2008), 541–544

## In Press

### Articles in journals

Fara, P. 'The science of *Frankenstein*', *History Today*

Fara, P. 'Alessandro Volta and the politics of pictures', *Endeavour*

Fara, P. 'Humphry Davy's lamp of genius', *Endeavour*

## Lectures, Seminars and Conferences

January 2009

'Ghosts of women past', AWISE Lecture, Cambridge

March 2009

'4000 years in 400 pages', Keswick Literary Festival

'4000 years in 400 pages', Blackwell's, Oxford

'4000 years in 400 pages', Leeds Café Scientifique

'Women, science and *Frankenstein*', British Museum

'4000 years in 400 pages', Clare College, Cambridge

'4000 years in 400 pages', Wrexham Science Festival

May 2009

'4000 years in 400 pages', Hay-on-Wye Literary Festival

'Triangulations: plants, poetry and politics in the late eighteenth century', Cambridge Cultural History Seminar

June 2009

'4000 years in 400 pages', Second Life (for *Nature*)

'An ambiguous Cretan', keynote address, *Science and the Public* conference, University of Brighton

July 2009

'4000 years in 400 pages', Alumni Day, Clare College, Cambridge

'History of science and the media', panel discussion, BSHS Conference, Leicester

## John Forrester

John Forrester was Head of Department in 2008–9. He was an Examiner for NST Part IB HPS and Senior Examiner, MPhil in History, Philosophy and Sociology of Science, Technology and Medicine. He continued to co-convene (with Deborah Thom) the *Psy Studies* Research Seminar on *History of Psychiatry, Psychoanalysis, Psychology and Allied Sciences*. He continued to act as co-convenor, with Prof. Mary Jacobus of the Faculty of English and Dr Andrew Webber, Department of German, of an interdisciplinary group, *Culture and History of Psychoanalysis*, sponsored by CRASSH, and its reading group, which across the year was devoted to *Psychoanalysis and Religion*. He continues to edit the journal *Psychoanalysis and History*. He is one of the (successful) applicants based within and outside HPS for a Wellcome Trust Strategic Award in 'From Generation to Reproduction' (2009–14), contributing to Strand 4 'C20 transformations: technologies, experiences and regulation', Section iii 'Gender, sex and psychology in relation to reproduction'.

## Publications

### Articles in books

Forrester, J. (2009) 'Dr. G.s stürmische Übertragungsneurose. Über Gebrauch und Mißbrauch der Abstinenz' in A. Koellreuter (ed.) *'Wie benimmt sich der Prof. Freud eigentlich?' Ein neu entdecktes Tagebuch von 1921 historisch und analytisch kommentiert*, Gießen: Psychosocial-Verlag, 245–258

### Articles in journals

Forrester, J. 'Afterword: psychoanalysis, fascism, fundamentalism and atheism', *Psychoanalysis and History* (special issue: *Psychoanalysis, Fascism and Fundamentalism*) 11 (2009), 271–278

Forrester, J. 'Michel Foucault et l'histoire de la psychanalyse', Traduit Nathalie Ferron, *Incidence 4–5 Foucault et la psychanalyse* (2008–9), 55–90

## Lectures, Seminars and Conferences

January 2009

'Une collection de travail chez Freud: entre science, art et symptôme', Colloque, *La passion à l'œuvre : Freud et Rodin collectionneurs*, Musée Rodin, Paris

February 2009

'Gender, feminism and psychoanalysis', Centre for Gender Studies, Cambridge

July 2009

'The idea of a moral science, state funding and Teutonophobia: the creation of the humanities in early twentieth-century Cambridge', conference *Changing the Humanities/The Humanities Changing*, Clare College, Cambridge

'Undergraduates and the reception of psychoanalysis in Cambridge, 1915–1924: I.A. Richards, J.D. Bernal and Kingsley Martin', *Epistemic Vehicles in the Human Sciences: A Conference in Memory of Lydia Marinelli*, Vienna

# Axel Gelfert

Axel has completed his first year as an Assistant Professor in the Department of Philosophy, National University of Singapore. He is also on the Steering Committee of the STS Research Cluster in the Faculty of Arts and Social Sciences, NUS. In August 2009, he was appointed Associate at the Asia Research Institute, Singapore, as well as to the Scientific Board of the Collaborative Research Project ‘Embodied Information: Conceiving and Envisioning Converging Technologies’, funded by the German Federal Ministry of Education and Research. In September 2008, he organised an international workshop on ‘Model-Based Representation in Scientific Practice’, and in August 2009 a smaller workshop on the topic of epistemic injustice. From May until July 2009, he was a Visiting Research Fellow at the Institute for Advanced Studies in the Humanities, University of Edinburgh.

## Publications

### *Articles in journals*

Gelfert, A. ‘Indefensible middle ground for local reductionism about testimony’, *Ratio* 22 (2009), 170–190

Gelfert, A. ‘Rigorous results, cross-model justification, and the transfer of empirical warrant’, *Synthese* 169 (2009), 497–519

Gelfert, A. ‘Philosophy in Singapore: where the ivory tower meets the crystal palace’, *The Philosophers’ Magazine*, March 2009, 36–39

### *Reviews*

Gelfert, A. Review of M. Fricker, *Epistemic Injustice: Power and the Ethics of Knowing*, in *Times Literary Supplement*, 3 October 2008, 25

## In Press

### *Articles in books*

Gelfert, A. ‘Zeugnis’ [Testimony] in G. Mohr, J. Stolzenberg and M. Willaschek (eds) *Kant-Lexikon*, vol. 3, de Gruyter

### *Articles in journals*

Gelfert, A. ‘Reconsidering the role of inference to the best explanation in the epistemology of testimony’, *Studies in History and Philosophy of Science*

## Lectures, Seminars and Conferences

### *September 2008*

‘Denotation, representation, and the minimality constraint’, workshop on *Model-Based Representation in Scientific Practice*, Faculty of Arts and Social Sciences, National University of Singapore

### *March 2009*

‘Scientific models, simulation, and the experimenter’s regress’, conference *Models and Simulations 3*, University of Virginia, Charlottesville, US

### *May 2009*

‘What is this thing called “philosophy of science”?’, Anglo-Chinese Junior College, Singapore

‘Kant on communicability and the misuse of public reason’, conference *Kant in Asia*, Hong Kong Baptist University, Hong Kong

### *July 2009*

‘Kant’s maxims of enlightenment and the pathologies of testimony’, Work-in-Progress Seminar, Institute for Advanced Studies in the Humanities, University of Edinburgh

### *August 2009*

‘Kant on the pathologies of testimony’, workshop on *Epistemic Injustice*, Department of Philosophy, National University of Singapore

‘What is this thing called “philosophy of science”?’, Special Programme in Science, Faculty of Science, National University of Singapore

# Jeremy Gray

Jeremy Gray was awarded the Albert Leon Whiteman Memorial Prize of the American Mathematical Society in recognition of ‘the value of [his] many historical works, [and for his] work as an editor, teacher, translator, and organizer of forums for historical work [which] has helped invigorate the study of the history of modern mathematics internationally’.

## Publications

### Books

Gray J.J. (2008) *Plato’s Ghost – Mathematics and Modernism at the End of the Nineteenth Century*, Princeton University Press

### Articles in books

Gray J.J. (2008) Two articles (‘Geometry’ II.2 (pp. 83–94) and ‘Fuchsian groups’ III.28 (pp. 208–210)) and eight biographies (Gauss, Möbius, Lobachevskii, Bolyai, Riemann, Clifford, Cartan and Skolem) in *Princeton Companion to Mathematics*, Princeton University Press

Gray, J.J. (2008) ‘Geometry’ in *New Dictionary of the History of Ideas*, New York: Scribner’s

## Lectures, Seminars and Conferences

### June 2009

Plenary speaker at the joint meeting of the Canadian Mathematical Society and the Canadian Society for the History and Philosophy of Science, St Johns, Newfoundland

### July–August 2009

Organiser (with R. Siegmund-Schultze, Norway) of a symposium, ‘Status in mathematics: the momentous interplay of aerodynamics and function theory’, at the International Congress for the History of Science and the International Commission for the History of Science and Technology, Budapest. Presented a paper: ‘The rise of complex analysis in France and Germany’

# Vanessa Heggie

This year Vanessa continued to contribute to the teaching of Paper 8 and HEM, and gave two new lectures on scientific instruments for Paper 3, as well as co-organising the History of Modern Medicine Seminars with Nick Hopwood. Having secured a book contract with Manchester University Press for her work on the history of sports medicine, she has been concentrating on a new project on the history of exploration, experiment, and human physiology in extreme environments.

## Publications

### Articles in books

Heggie, V. (2009) ‘Men in women’s sport’ in *Battleground: Sport*, Greenwood Press, vol. I, 278–284

## In Press

### Books

Heggie, V. *A History of British Sports Medicine*, Manchester University Press

### Articles in books

Heggie, V. ‘Volunteers for science: medicine, health and the modern Olympic Games’ in V. Nutton (ed.) *Sport, Medicine and Immortality*, British Museum

Heggie, V. Introduction to the section ‘Eat and move’ in *Getting the Message Across: Public Health Campaigns (1948–2008)*, WHO

### Articles in journals

Heggie, V. ‘A century of cardiomythology: exercise and the heart c.1880–1980’, *Social History of Medicine*

## Lectures, Seminars and Conferences

### September 2008

‘Running the risk: sports for all means sports injuries for all’, Society for the Social History of Medicine Annual Conference



February 2009

'Guinea pigs and freaks: constructing the athletic body in the twentieth century', History Department Research Seminar, Swansea University

'Making the athletic body: a history of British sports medicine', Sport & Leisure Seminar Series, Institute of Historical Research, London

June 2009

'Making sport scientific: training manuals and health advice c.1880–1953', Anglo-Dutch-German Workshop *The Transmission of Health Practices*, Stuttgart

## Nick Hopwood

Nick Hopwood, a senior lecturer in the Department, continued to work on his book *Pictures of Evolution and Charges of Fraud* and, with Tatjana Buklijas, launched an online exhibition on *Making Visible Embryos* that featured in *Nature* and on jezebel.com ('Celebrity, sex, fashion for women. Without airbrushing'). He served as Part IB manager and managed our Wellcome enhancement award in the history of medicine. He led the University's successful application for a Wellcome strategic award on the theme 'Generation to Reproduction', and helped secure matching funding from the Isaac Newton Trust. He continued on the Wellcome Library Advisory Committee and sat on the Trust's History of Medicine Interview Committee. This was his last year as external examiner for the Durham MA in History and Philosophy of Science and Medicine.

### Publications

#### Online

Buklijas, T. and Hopwood, N. (2008) *Making Visible Embryos* ([www.hps.cam.ac.uk/visibleembryos](http://www.hps.cam.ac.uk/visibleembryos)), a Wellcome-funded online exhibition of c.125 images and c.36,000 words

#### Articles in books

Hopwood, N. (2009) 'Embryology' in P.J. Bowler and J.V. Pickstone (eds) *The Cambridge History of Science*, vol. 6: *The Modern Biological and Earth Sciences*, Cambridge University Press, 285–315

#### Articles in journals

Hopwood, N. 'Model politics', *The Lancet* 372 (6 December 2008), 1946–1947

Hopwood, N. 'Making visible embryos', *Research Horizons* 8 (January 2009), 17

#### Reviews

Hopwood, N. and Buklijas, T. Review of the German Hygiene Museum Dresden collections database, [www.dhmd.de/emuseum](http://www.dhmd.de/emuseum), in *Bulletin of the History of Medicine* 82 (2008), 917–918

Hopwood, N. 'A clash of visual cultures', review of C.A. Clark, *God – or Gorilla: Images of Evolution in the Jazz Age*, in *Nature* 458 (2009), 704–705

### In Press

#### Articles in journals

Hopwood, N. (2009) 'Generation to reproduction: a strategic award for the University of Cambridge', *Wellcome History* 42

Johnson, M.H., Franklin, S. and Hopwood, N. (2009) 'Mammalian embryology and assisted reproduction in postwar Britain', *Wellcome History* 42

Buklijas, T. and Hopwood, N. (2009) '*Making Visible Embryos*: an online exhibition', *Wellcome History* 42

#### Reviews

Hopwood, N. (2009) 'Darwinism's tragic genius: psychology and reputation', essay review of R.J. Richards, *The Tragic Sense of Life: Ernst Haeckel and the Struggle over Evolutionary Thought*, in *Isis* 100:4

### Lectures, Seminars and Conferences

October–November 2008 and March 2009

Presented six draft chapters of *Pictures of Evolution and Charges of Fraud* at four meetings of the Scientific Images Discussion Group, Department of History and Philosophy of Science, University of Cambridge

November 2008

'Modellers' strategies and their patrons' demands', *Lessons in Anatomy Made Easy: Anatomical Models in Scientific and Cultural Context*, Boerhaave Museum, Leiden

*December 2008*

‘Pictures of evolution and charges of fraud’, PhD programme: ‘The natural sciences in historical context’, University of Vienna

‘Anatomist holds model embryo: interpreting a marble portrait from 1900’, Institute for the History of Medicine, Medical University of Vienna

*February 2009*

‘Haeckels Embryonenbilder in Schulbüchern des 20. Jahrhunderts’, *Darwin als Erzieher*, German Hygiene Museum, Dresden

Organized, with M.H. Johnson and S. Franklin, a one-day conference at Christ’s College, Cambridge, on ‘In vitro human embryos: interdisciplinary reflections on the first four decades’, with support from the Wellcome Trust

*April 2009*

Organized, with S. Schaffer and J. Secord, a two-day workshop in the Department on ‘Seriality and scientific objects in the age of capital and empire, 1848–1918’, with support from the Wellcome Trust, Max Planck Society and Cambridge Victorian Studies Group

*June 2009*

‘A marble embryo in a portrait from 1900’, Royal Society of Medicine, History of Medicine Section, summer outing to Cambridge

*June–July 2009*

Organized, with J. Browne, C. Groeben, and H.-J. Rheinberger, the week-long eleventh Ischia Summer School on the History of the Life Sciences, on the theme ‘From generation to reproduction: knowledge and techniques from the Renaissance to the present day’, with support from the Wellcome Trust, Max Planck Institute for the History of Science and Naples Zoological Station

‘Introduction to the theme’, Ischia Summer School on the History of the Life Sciences, Ischia, Italy

*September 2009*

‘Species politics: mammalian embryos in postwar biology, medicine and agriculture’, at ‘The embryo and the circulations of knowledge: tools and norms across the human–animal boundary’, the second IFRIS seminar on ‘Boundaries of life: biology, agriculture and medicine since 1945’, CERMES, Paris

## Jiri Hudecek

Jiri Hudecek started his PhD course in October with a month spent in Beijing, interviewing Chinese mathematicians and researching in libraries and archives of the Chinese Academy of Sciences.

### Lectures, Seminars and Conferences

*November 2008*

‘Wu Wen-Tsun and traditional Chinese mathematics’, HPS History Workshop, Department of History and Philosophy of Science, University of Cambridge

‘Merging and separating: Chinese views of the place of their traditional mathematics up to Wu Wen-Tsun’, NRI Text Reading Seminar, Needham Research Institute

*January 2009*

(with M. Barany) ‘Proofs, refutations and heuristics: historical and essentialist standpoints in Lakatos’s philosophy of mathematics’, Philosophy Workshop, Department of History and Philosophy of Science, University of Cambridge

*May 2009*

‘Leaping from theory to practice: Chinese mathematicians in late 1950s’, 20th Century Think Tank, Department of History and Philosophy of Science, University of Cambridge

*July 2009*

‘Leaping from theory to practice: Chinese mathematicians in late 1950s’, XXIII International Congress of History of Science and Technology, Budapest

## Shelley Innes

### Publications

#### *Books*

Innes, S. (edited with F. Burkhardt and the Darwin Correspondence Project) (2009) *The Correspondence of Charles Darwin*, vol. 17, Cambridge University Press

### Articles in books

Innes, S. (2009) 'The anomalous "Mr Arthrobalanus": Darwin's adaptationist approach to taxonomy' in A. Pearn (ed.) *A Voyage Round the World: Charles Darwin and the Beagle Collections in the University of Cambridge*, Cambridge University Press

### Lectures, Seminars and Conferences

April 2009

'Darwin's correspondence: another voyage round the world', Institute of Biologists Symposium

'The letter as research tool', Stratton Upper School, Biggleswade

## Nick Jardine

Nick Jardine continued to serve as Departmental Director of Graduate Studies and as a member of the Botanic Garden Syndicate. With Marina Frasca-Spada, Rob Ralley and Jill Whitelock he has continued to edit *Studies in History and Philosophy of Science* and *Studies in History and Philosophy of Biological and Biomedical Sciences*. He has contributed to the protest spearheaded by Simon Schaffer against the misrepresentation of humanities journals by the European Reference Index for the Humanities. He has played a part in the organisation of the Latin and Greek Therapy Groups, the Cabinet of Natural History, the History and Theory Reading Group and the Kant Reading Group. The British Academy and the CNRS have continued to support the project 'Conflict and Priority in Early-Modern Astronomy', carried out in collaboration with Alain Segonds (CNRS, Paris) and Dieter Launert (Gymnasium, Meldorf). With Adam Mosley (University of Swansea) and Miguel Granada (University of Barcelona) he has continued work sponsored by the University of Barcelona on a critical edition, English and Spanish translation, commentaries and essays on Christoph Rothmann's treatises on comets. His new AHRC project with Sachiko Kusukawa, Liba Taub, and Isabelle Pantin (Paris-X), Renée Raphael and Katie Taylor, 'Diagrams, Figures and the Transformation of Astronomy', has held fortnightly seminars and, in July 2009, a highly successful workshop on Terminology and Typology of Astronomical Images.

### Publications

#### Articles in books

Jardine, N. (2009) 'Philosophy of the history of science' in A. Tucker (ed.) *Blackwell Companion to Philosophy of History and Historiography*, Blackwell, 287–297

Jardine, N. (2009) 'Kepler, God, and the virtues of Copernican hypotheses' in M.A. Granada and E. Mehl (eds) *Nouveau ciel, Nouvelle terre: La révolution copernicienne dans l'Allemagne de la Réforme (1530–1630)*, Paris: Les Belles Lettres, 269–281

Jardine, N. (2009) 'God's "ideal reader": Kepler and his serious jokes' in R.L. Kremer and J. Włodarczyk (eds) *Johannes Kepler: From Tübingen to Zagan*, Studia Copernicana XLII, Warsaw, 41–51

#### Reviews

Jardine, N. 'Astral projections and pies in the sky', essay review of F. Brons (ed.) *Imagination des Himmels*, in *Journal for the History of Astronomy* 40 (2009), 113–120

### In Press

#### Edited volumes

Jardine, N. and Boner, P. (eds) *Kepler's Cosmos: Bridging the Disciplines*, special issue of *Journal for the History of Astronomy*

#### Articles in books

Jardine, N. 'Kepler as transgressor and amalgamator of disciplines' in N. Jardine and P. Boner (eds) *Kepler's Cosmos: Bridging the Disciplines*, special issue of *Journal for the History of Astronomy*

Jardine, N. 'Old, as opposed to false and fickle, friends as a resource in translation' in J. Rampling and K. Eagleton (eds) *Recipes for Disaster*, Latin Therapy Group Booklet

#### Articles in journals

Jardine, N. and Kaoukji N. "'A Frontispiece in any sense they please": on the significance of the engraved titlepage of John Wilkins's *A Discourse Concerning a New World*, 1640', *Image and Text*

#### Reviews

Jardine, N. 'Objectivity, epistemology and critique', essay review of L. Daston and P. Galison, *Objectivity*, in *British Journal for the History of Science*

## Lectures, Seminars and Conferences

October 2008

Introductory talk for discussion of articles of Cristoph Lüthy and Isabelle Pantin in Kusakawa and Maclean (eds) *Transmitting Knowledge*, on the persuasive uses of images in early-modern cosmology, Astronomical Images Seminar, Cambridge

January 2009

'Kepler's first polemic', Early Modern Polemics Seminar, All Souls, Oxford

February 2009

(with N. Kaoukji) "'A Frontispiece in any sense they please": on the significance of the engraved titlepage of John Wilkins's *A Discourse Concerning a New World*, 1640', EMPHASIS, UCL. A version of this talk was given to the Astronomical Images Seminar, Cambridge, on 12 February 2009

April 2009

(with S. Kusakawa) 'Diagrams, figures and the transformation of astronomy, 1450–1650', presentation of the AHRC project at the Crawford Project Workshop, Crawford Library, Edinburgh

July 2009

(with B. Jardine) 'Critical editing of diagrams', Workshop on Terminology and Typology of Astronomical Images, Trinity College, Cambridge

## Stephen John

### Publications

#### Articles in books

John, S. (2009) 'Do we have a moral obligation to participate in medical research?' in J. McMillan et al. (eds) *Beyond Consent*, Oxford University Press

#### Articles in journals

John, S. 'Why health is irrelevant to public health policy', *Journal of Applied Philosophy* 26 (2009), 129–143

### In Press

#### Articles in books

John, S. 'Risk and precaution' in A. Dawson (ed.) *Public Health Ethics: Key Concepts and Issues in Policy and Practice*, Cambridge University Press

#### Articles in journals

John, S. 'Security, knowledge and well-being', *Journal of Moral Philosophy*

John, S. 'In defence of bad science and irrational policies: a re-interpretation of the precautionary principle', *Ethical Theory and Moral Practice*

John, S. 'Supreme emergencies, epistemic murkiness and epistemic transparency', *Philosophy and Management* (special issue on crises)

## Lectures, Seminars and Conferences

October 2008

'Response to Onora O'Neill on broadening bioethics', Launch Seminar, Hughes Hall Centre for Biomedical Science in Society

March 2009

'Contractualism and the problem of meta-doxastic uncertainty', Department of Philosophy, University of Stirling  
'Dodging our obligations of care? Responsibility and the savings argument for pre-natal-diagnosis', Health and Responsibility workshop, Hughes Hall, Cambridge (also, organiser of this workshop)

April 2009

Co-organiser of conference 'Populations, groups and policy in a genomic era: perspectives from philosophy and the social sciences', CRASSH, University of Cambridge

June 2009

'The cost-benefit argument for pre-natal-diagnosis: pre-empting demands of care?', Health and Welfare Reading Group, one-day symposium, CRASSH, University of Cambridge

July 2009

'What went right in the case of MMR?', New Directions in Bio-ethics workshop, UCL

'Pre-empting our obligations of care', Association for Social and Legal Philosophy Annual Conference, University of Edinburgh

## Peter Jones

### Publications

#### Articles in journals

Jones P.M. 'Witnesses to medieval medical practice in the Harley Collection', *Electronic British Library Journal* (2008), article 8, 1–13 ([www.bl.uk/eblj/2008articles/articles.html](http://www.bl.uk/eblj/2008articles/articles.html))

Jones, P.M. 'Carrington (and Woolf) in Cambridge, 1928', *Transactions of the Cambridge Bibliographical Society* 13:3 (2009), 301–334

### In Press

#### Articles in books

Jones, P.M. (2009) 'Mediating collective experience – the *Tabula medicine* (1416–25) as a handbook for medical practice' in B. Nance and E. Glaze (eds) *Between Text and Patient*, Brill

Jones, P.M. (2010) 'Between *complexio* and *experimentum*: tensions in late medieval medical practice' in P. Horden and E. Hsu (eds) *The Body in Balance: Humoral Theory in Practice*, Berghahn

Jones, P.M. (2010) 'Medical literacies and medical culture' in I. Taavitsainen and P. Pahta (eds) *Early Modern English Medical Writing*, Cambridge University Press

## Lauren Kassell

Lauren Kassell acted as Part II Manager, Departmental Seminar Organizer and College Liaison Officer. At Pembroke she continued as Director of Studies in HPS and Assistant Tutor, and was appointed the Tutorial Bursar. She received pilot funding from the Wellcome Trust for 'The Casebooks Project: Simon Forman and Richard Napier's Medical Records, 1596–1634' and was part of the team that received a Strategic Award from the Wellcome Trust on 'Generation to Reproduction' (2009–14). With Sara Pennell and Patrick Wallis, she organized 'Occupational Diversity: Medicine, Sickness and Gender in Historical Perspective. A Symposium in Celebration of the Work of Margaret Pelling'. She was elected a Fellow of the Royal Historical Society. She continues to sit on the Wellcome Trust History of Medicine Funding Committee.

### Publications

#### Reviews

Kassell, L. 'Death becomes her', essay review of H. MacDonald, *Human Remains: Dissection and Its Histories*, and K. Park, *Secrets of Women: Gender, Generation, and the Origins of Human Dissection*, in *History Workshop Journal* 67 (2009), 270–276

Kassell, L. 'Ask Pickleherring', essay review of D.E. Harkness, *The Jewel House: Elizabethan London and the Scientific Revolution*, in *Times Literary Supplement*, 6 March 2009, 3–5

Kassell, L. Review of J. Fitzpatrick, *Food in Shakespeare: Early Modern Dietaries and the Plays*, in *Medical History* 53 (2009), 450

#### Online

Kassell, L., Forshaw, P. and Ralley, R. (2009) Database of Simon Forman's casebooks, 1596–1603: [www.hps.cam.ac.uk/casebooks](http://www.hps.cam.ac.uk/casebooks)

### In Press

#### Articles in books

Kassell, L. 'Almanacs and prognostications' in J. Raymond (ed.) *The (Oxford) History of Popular Print Culture: Volume 1: Britain to 1660*, Oxford University Press

Kassell, L. 'Astrology', 'Potions/drugs', 'Magic', 'Alchemy' and 'Simon Forman' in P. Parker (ed.) *The Greenwood Shakespeare Encyclopedia*, 5 vols, Westport, Connecticut: Greenwood Publishing

Kassell, L. 'Alchemical books' in M.F. Suarez and H. Woudhuysen (eds) *The Oxford Companion to the Book*, Oxford University Press

### **Articles in journals**

Kassell, L. 'Secrets revealed: alchemical books in Early Modern England', *History of Science*

### **Lectures, Seminars and Conferences**

*September 2008*

'Secrets revealed: alchemical books in Early Modern England', *Chymia: Science and Nature in Early Modern Europe*, El Escorial, Spain

*November 2008*

'Casebooks in Early Modern England: astrology, medicine and written records', *From Masha'alla to Kepler: The Theory and Practice of Astrology in the Middle Ages and the Renaissance*, Warburg Institute, London

*February 2009*

'Sex and generation in Early Modern medical and astrological casebooks', Cambridge Interdisciplinary Reproduction Forum

'"Ceremonial, superstitious Trash": Thomas Vaughan's alchemy and the reform of ritual magic in seventeenth-century England', Interdisciplinary Renaissance Seminar, University of Cambridge

*March 2009*

'The magical and medical power of touch in Early Modern England', Seminar on Society, Culture and Belief 1400–1800, Institute for Historical Research, London

*May 2009*

'How to dispossess your daughters of the Devil', *Occupational Diversity: Medicine, Sickness and Gender in Historical Perspective. A Symposium to Honour the Work of Margaret Pelling*, University of Oxford

## **Melanie Keene**

Melanie was awarded her PhD in April, and in October begins a Junior Research Fellowship at Homerton College. This year she continued her work with the Outreach and Education Committee of the British Society for the History of Science, the History of Science Section of the British Science Association, and joined the Executive Committee of the British Society for Literature and Science. She is now assistant editor of *Viewpoint*, helped judge the BSHS Dingle Prize, wrote letters as Henry Walter Bates from the Amazon, and with the Strolling Players contacted the supernatural world. She organised the Science and Literature Reading Group, with Daniel Friesner. Over the summer, she worked part-time at the Whipple Museum on the 'Darwin's Microscope' exhibition, and on scientific toys webpages. She sang with the HPS Chorus, recreating the 'Postprandial Proceedings of the Cavendish Society' for the first time since the 1930s. She also consulted for the British Council's 'Darwin Now' project, creating children's content for an international exhibition.

### **Lectures, Seminars and Conferences**

*October 2008*

'Puns and Pea-Shooters: Play, Words, and Plays on Words, in John Ayrton Paris's *Philosophy in Sport Made Science in Earnest*', HPS History Workshop, Department of History and Philosophy of Science, University of Cambridge

*February 2009*

'Things', introduction to History and Theory Reading Group seminar, HPS, Cambridge

*March 2009*

'"Watt's his name": puns and nineteenth-century scientific education', British Society for Literature and Science Conference, University of Reading

*April 2009*

'The science of common things', PhD Seminar, Imperial College, London

*May 2009*

'Facts and fairies, puns and play: "instructive and amusing" science in nineteenth-century Britain', History of Science Seminar, University of Aberdeen

*June 2009*

'*Science in Sport; or, the Pleasures of Astronomy, 1804*', Scientific Images Seminar, HPS, Cambridge

*July 2009*

'*Things Familiar: the everyday world of Victorian science*', British Society for the History of Science Annual Conference, University of Leicester

'Charles Darwin's endless forms', seminar for Davidson College students

September 2009

‘The singing scientists’, British Science Festival, University of Surrey, Guildford

## Martin Kusch

In 2008–9 Martin Kusch was ‘distinguished visiting fellow’ of the Helsinki Collegium for Advanced Studies. In July 2009 he retired from his chair in HPS Cambridge to take up a chair in theory of science and epistemology at the University of Vienna.

### Publications

#### Articles in books

Kusch, M. (2008) ‘Five answers’ in V.F. Hendricks and D. Pritchard (eds) *Epistemology: 5 Questions*, Automatic Press/VIP, 217–230

Kusch, M. (2008) ‘Testimony and the value of knowledge’ in A. Haddock, A. Millar and D. Pritchard (eds) *Epistemic Value*, Oxford University Press, 60–94

Kusch, M. (2009) ‘Conversation on truth’ in M. Gordon and C. Wilkinson (eds) *Conversations on Truth*, Continuum, 128–141

#### Reviews

Kusch, M. ‘Objectivity and historiography’, essay review of L. Daston and P. Galison, *Objectivity*, in *Isis* 100 (2009), 127–131

Kusch, M. Review of M. Fricker, *Epistemic Injustice*, in *Mind* 118 (2009), 170–174

### Lectures, Seminars and Conferences

#### October 2008

‘Epistemic relativism in Wittgenstein’, Helsinki Collegium for Advanced Studies, Helsinki, Finland

#### February 2009

‘Testimony and the value of knowledge’, Department of Philosophy, University of Tampere, Finland

#### March 2009

‘Rulers, clocks and common sense’, invited lecture, Annual Meeting of the Finnish Philosophical Association, Helsinki

‘Epistemic relativism defended’, keynote address, workshop *Relativism, Philosophy of Science, and Social Studies of Science*, Department of Philosophy, Helsinki School of Economics

‘Hacking on styles of reasoning – a critique’, Academy of Finland, Research Group ‘Trends and Tensions in Intellectual Integration’, Helsinki

#### April 2009

‘Rulers, clocks and common sense’, Department of Philosophy, University of Turku

‘Wittgenstein’s *On Certainty* and relativism’, Department of Philosophy, University of Helsinki

‘Rulers, clocks and common sense’, Department of History and Philosophy, University of Oulu

#### May 2009

‘Wittgenstein’s *On Certainty* and relativism’, Department of Philosophy, University of Jyväskylä

‘Wittgenstein’s *On Certainty* and relativism’, Department of Philosophy, University of Stockholm

‘Contemporary issues in relativism’, Department of Philosophy, Helsinki School of Economics

#### June 2009

‘Rules, clocks and common sense: metrology as a key to Wittgenstein’s *On Certainty*’, Department of History and Philosophy of Science, University of Cambridge

## Jerry Kutcher

### Publications

#### Books

Kutcher, G. (2009) *Contested Medicine: Cancer Research and the Military*, University of Chicago Press

# David Leith

## Publications

### Articles in books

- Leith, D. and Maravela-Solbakk, A. (2009) 'Notes on PSI III 252' in I. Andorlini (ed.) *Greek Medical Papyri* vol. II, Istituto Papirologico 'G. Vitelli', Florence, 201–209
- Leith, D. (2009) 'A note on the Greek Medical Fragment PGolenischeff' in I. Andorlini (ed.) *Greek Medical Papyri* vol. II, Istituto Papirologico 'G. Vitelli', Florence, 211–218

### Articles in journals

- Leith, D. 'The *Diatritus* and therapy in Graeco-Roman medicine', *The Classical Quarterly* 58 (2008), 581–600
- Leith, D. 'The qualitative status of the *Onkoi* in Asclepiades' theory of matter', *Oxford Studies in Ancient Philosophy* 36 (2009), 283–320

## In Press

### Articles in books

- Leith, D. (2009) '4969. Hippocrates, *De Articulis* 57–58, 60' (with D. Manetti); '4970. Prose mentioning the Hippocratic *Oath*'; '4971. Medical Treatise'; '4972. Division of Surgery'; '4974. Osteological Fragment'; '4975. Pharmacological Manual'; '4976. Medical Recipe'; '4977. Medical Recipes'; '4978. Medical Recipes'; '4979. List of Items' in N. Gonis (ed.) *The Oxyrhynchus Papyri* vol. LXXIV, Egypt Exploration Society

## Lectures, Seminars and Conferences

### February 2009

- 'Atomism and the criterion of truth: Asclepiades of Bithynia's appropriations of Epicureanism', History of Medicine Seminar, Department of History and Philosophy of Science, University of Cambridge

### May 2009

- 'A Ptolemaic treatise on the nervous system (BKT III 10-19 + P. Ryl. I 21 + P. Rein. I 2)', workshop: *Il papirologo al lavoro*, University of Parma
- 'Greek medical knowledge in Roman Oxyrhynchus', Work in Progress Seminar, Wellcome Trust Centre for the History of Medicine, UCL

# Tim Lewens

Tim Lewens became a member of the Nuffield Council on Bioethics, and he was appointed to the Science and Trust Expert Group, reporting to the Government's Department for Business, Innovation and Skills. He was also part of the organising team for Cambridge's Darwin 2009 Festival.

## Publications

### Articles in books

- Lewens, T. (2008) 'Innovation and population' in U. Krohs and P. Kroes (eds) *Functions in Biological and Artificial Worlds: Comparative Philosophical Perspectives*, MIT Press, 243–257
- Lewens, T. (2008) 'The *Origin* and philosophy' in R. Richards and M. Ruse (eds) *The Cambridge Companion to the Origin of Species*, Cambridge University Press, 314–332

### Articles in journals

- Lewens, T. 'In memoriam: Peter Lipton', *Philosophy of Science* 75 (2008), 133–139
- Lewens, T. 'Enhancement and human nature: the case of Sandel', *Journal of Medical Ethics* 35 (2009), 354–356
- Lewens, T. 'As nature intended', *Biology and Philosophy* 24 (2009), 417–423 (critical notice of J. Scott Turner, *The Tinkerer's Accomplice*)
- Lewens, T. 'Seven types of adaptationism', *Biology and Philosophy* 24 (2009), 161–182

## In Press

### Articles in journals

- Lewens, T. 'What's wrong with typological thinking?', *Philosophy of Science* (2010)
- Lewens, T. 'The natures of selection', *British Journal for the Philosophy of Science* (2010)
- Lewens, T. 'The risks of progress: precaution and the case of human enhancement', *Journal of Risk Research* (2010)



Lewens, T. 'Evo-devo and typological thinking: an exculpation', *Journal of Experimental Zoology B: Molecular and Developmental Evolution* (2010)

Lewens, T. 'What are natural inequalities?', *Philosophical Quarterly* (2010)

## Lectures, Seminars and Conferences

December 2008

'Organisms: a projectivist account', *The Concept of the Organism*, Institut d'Histoire et de Philosophie des Sciences et des Techniques, Paris

April 2009

'Darwin and philosophy', Institute of Biology, East Anglia Branch, Cambridge

May 2009

'Is "social science" an oxymoron?', Dilettante Society, Clare College

'Darwinizing history: what are the payoffs?', *Why Aren't the Social Sciences Darwinian?*, CRASSH/LCHES, University of Cambridge

June 2009

(with D. Papineau) 'Dialogue: Darwin and philosophy', Forum for European Philosophy, London School of Economics

July 2009

'Darwin's psychology and Darwinian psychology', Darwin 2009 Conference, University of Cambridge

'Natural selection then and now', British Society for the Philosophy of Science Annual Conference, University of East Anglia

September 2009

'Darwin and philosophy', Bath Royal Scientific and Literary Institute

## Daniel Lim

Daniel was a visiting PhD student in the School of Philosophy at the University of Southern California for the 2008–2009 academic year. He was hosted by Professor Janet Levin to study issues concerning phenomenal concepts and properties as they relate to the philosophy of mind.

## Publications

### Reviews

Lim, D. Review of N. Murphy and W. Brown, *Did My Neurons Make Me Do It?*, in *Zygon* 43 (2008), 748–753

## Lectures, Seminars and Conferences

July 2009

'Consciousness and causation', Intelligent Design–Artificial Intelligence Symposium, Pasadena

August 2009

'Keeping conceivability and reference apart', 32nd Wittgenstein Symposium: Language and World, Kirchberg, Austria

## Geoffrey Lloyd

## Publications

### Books

Lloyd, G.E.R. (2008) *Grecia e Cina: Due culture a confronto* (Italian translation of *Ancient Worlds, Modern Reflections*, Cambridge 2004), Milan

Lloyd, G.E.R. (2008) *Gu dai shi jie de xian dai si kao* (Chinese translation of *Ancient Worlds, Modern Reflections*), Shanghai

### Articles in books

Lloyd, G.E.R. (2008) 'Galen and his contemporaries' in R.J. Hankinson (ed.) *The Cambridge Companion to Galen*, Cambridge University Press, 34–48

Lloyd, G.E.R. (2009) 'What was mathematics in the ancient world?' in E. Robson and J. Stedall (eds) *The Oxford Handbook of the History of Mathematics*, Oxford University Press, 7–25

Lloyd, G.E.R. (2009) 'Comparative approaches to the study of culture' in G. Boys-Stones, B. Graziosi, P. Vasunia (eds) *The Oxford Handbook of Hellenic Studies*, Oxford University Press, 643–652

#### **Articles in journals**

Lloyd, G.E.R. 'The varying agenda of the study of the heavens: Mesopotamia, Greece, China', *Asia Major* 21:1 (2008), 69–88

#### **Reviews**

Lloyd, G.E.R. Review of M. Vegetti, *Dialoghi con gli antichi*, in *Classical Review* 58 (2008), 606–610

Lloyd, G.E.R. Review of A. Gregory, *Ancient Greek Cosmogony*, in *Journal of the History of Astronomy* 40 (2009), 220–221

### **In Press**

#### **Books**

Lloyd, G.E.R. (2009) *Disciplines in the Making: Cross-Cultural Perspectives on Elites, Learning and Innovation*, Oxford University Press

### **Lectures, Seminars and Conferences**

#### *December 2008*

'Actors' versus observers' categories: science', Needham Research Institute, Cambridge

#### *March 2009*

'Nature and nurture in Greek and Chinese antiquity', Max Planck Institute for History of Science, Berlin

'Techne and Dao: observations on the concepts of techniques and methods in ancient Greece and China', Archaeological Museum, Ercolano

#### *May 2009*

'Reflections on the unity and diversity of the human mind', Goldschmidt Lecture, Ethnographisches Museum, Heidelberg

'Variations cognitives', Sorbonne, Paris

'Médecins et philosophes dans la grèce ancienne', Sorbonne, Paris

## **Scott Mandelbrote**

Scott Mandelbrote is a Fellow and Director of Studies in History at Peterhouse, where he is also Tutor for Undergraduate Admissions and Perne Librarian. He held a Leverhulme Research Fellowship in Michaelmas and Lent terms, 2008–9.

### **Publications**

#### **Books**

Mandelbrote, S. and van der Meer, J. (eds) (2008) *Nature and Scripture in the Abrahamic Religions: Up to 1700*, 2 vols, E.J. Brill

Mandelbrote, S. and van der Meer, J. (eds) (2008) *Nature and Scripture in the Abrahamic Religions: 1700–Present*, 2 vols, E.J. Brill

#### **Articles in books**

Mandelbrote, S. (2008) 'Biblical hermeneutics and the sciences, 1700–1900: an overview' in J. van der Meer and S. Mandelbrote (eds) *Nature and Scripture in the Abrahamic Religions: 1700–Present*, E.J. Brill, vol. 1, 3–37

Mandelbrote, S. and van der Meer, J. (2008) 'Introduction' in J. van der Meer and S. Mandelbrote (eds) *Nature and Scripture in the Abrahamic Religions: Up to 1700*, E.J. Brill, vol. 1, 3–34

#### **Reviews**

Mandelbrote, S. Review of K. Thomson, *Before Darwin*, in *Aestimatio* 5 (2008), 68–75

### **In Press**

#### **Articles in books**

Mandelbrote, S. (2009) 'The publishing and distribution of religious books by voluntary associations: from the Society for Promoting Christian Knowledge to the British and Foreign Bible Society' in M.F. Suarez and M.L. Turner (eds) *The Cambridge History of the Book in Britain, Volume 5: 1695–1830*, Cambridge University Press, 613–630

## Reviews

Mandelbrote, S. Review of P. Duris (ed.) *Traduire la science*, in *Isis* (2009)

## Lectures, Seminars and Conferences

October 2008

'Isaac Newton, William Burnet, and Cotton Mather on the history of worship', conference on Cotton Mather's *Biblia Americana*, Eberhard-Karls Universität, Tübingen

January 2009

'English Protestants and the meaning of miracles', Centre for Enlightenment Studies, Martin-Luther-Universität, Halle-Wittenberg

May 2009

'A family Bible? The Henrys and the English Bible, 1650–1750', Centre for Dissenting Studies, Dr Williams's Library, London

June 2009

'The canon of Newton's writings: from manuscript to print', workshop on textual canons, Ecole Pratique des Hautes Etudes, Paris

## José Ramón Marcaida

José Ramón was a Visiting Student at the Department from September to December 2008, working under the supervision of Simon Schaffer. Currently he continues working on a PhD thesis on the relation between early modern science and Baroque culture in seventeenth-century Spain (Centro de Ciencias Humanas y Sociales, CSIC, Madrid). His primary research interests are in the area of history of modern science and the history of visual and material cultures in seventeenth-century Europe.

## In Press

### Articles in books

Marcaida, J.R. and Pimentel, J. (2009) 'Dead natures or still lives? Science, art and collecting in the Spanish Baroque culture' in D. Bleichmar and P. Mancall (eds) *Collecting Across Cultures in the Early Modern World*, University of Pennsylvania Press

Marcaida, J.R. (2009) 'Some notes on the relation between science, art and collecting in Baroque Spanish' in *Proceedings of the 3rd International Conference of the European Society for the History of Science*, ESHS

Marcaida, J.R. (2010) 'Falsas apariencias: cultura material representada en el Barroco' in J. Ordóñez and J. Moscoso (eds) *Cultura material y cultura visual en la ciencia moderna*, CSIC

### Articles in journals

Lucena, M., Marcaida, J.R. and Moscoso, J. (eds) 'Historia Polifónica. Un homenaje a Peter Burke', *Arbor. Ciencia, Pensamiento y Cultura*, special issue: *Polyphonic History* International Seminar (2009)

## Lectures, Seminars and Conferences

November 2008

'On allegories and vanities, and the connections between science, art and collecting in the Spanish Baroque culture', Scientific Images Discussion Group, Department of History and Philosophy of Science, University of Cambridge

'Ciencia moderna y cultura del Barroco', VII Encuentro con Jóvenes Investigadores Españoles, VIII Semana de la Ciencia Madrid 2008, Residencia de Estudiantes, Madrid

February 2009

'Paintings and diagrams', Astronomical Images Seminar, HPS, Cambridge

March 2009

'Naturaleza y conocimiento en el Barroco hispano', Colloque international *Le milieu naturel en Espagne et en Italie (XVe–XVIIe siècles): savoirs et représentations*, Université Sorbonne Nouvelle, Paris

# Anita McConnell

I have been assisting the Whipple Museum with retrospective documentation and adding to display labelling.

## Publications

### Articles in journals

McConnell, A. 'Which telescope? A report by John Bevis FRS in 1736', *Scientific Instrument Society Bulletin* No. 99 (2008), 9–10

Martin, J.-P. and McConnell, A. 'Joining the observatories of Paris and Greenwich', *Notes & Records of the Royal Society* 62 (2008) 355–372

Marney, P. and McConnell, A. 'Evolution of the mining or pit barometer', *Scientific Instrument Society Bulletin* No. 101 (2009), 17–19

Marney, P. and McConnell, A. 'Wheel and banjo barometers', *Antique Collecting* 43:10 (2009), 4–9

## Lectures, Seminars and Conferences

### October 2008

'Hiding in the Forest: the Gilberts' rural scientific instrument manufactory', CMH@20, Goodenough College, London

### March 2009

'Storm in a tea-cup. The contest between Sabine and Airy over magnetic and meteorological observations in the 1860s', Meteorologists and Astronomers meeting, Royal Astronomical Society, London

# Raymond Mercier

## Publications

### Articles in books

Mercier, R. (2007) 'Astronomical computation for the history of Indian astronomy', in P. Bilmoria and M.K. Sridhar (eds) *Traditions of Science, Cross-cultural Perspectives. Essays in Honour of B.V. Subbarayappa*, Delhi: Munshiram Manoharlal, 72–82 (although dated 2007 this volume became available only in 2009)

## In Press

### Books

Mercier, R. and Tihon, A. *Ptolemy's Handy Tables: Πτολεμαίου Πρόχειροι Κανόνες, Édition critique, d'après les manuscrits en onciales du IXe et Xe siècles*, Vol. I, Tables A1–A2 (consists of Vol. I a (edition, by Anne Tihon, Louvain la Neuve) and Vol. I b (commentary by Raymond Mercier)), Leuven: Peeters

## Lectures, Seminars and Conferences

### February 2009

'From time to time: problems in the conversion of calendars, especially for the history of ancient astronomy', Wolfson College, Cambridge

### April 2009

'The reality of Indian astronomy', workshop *Astronomy and Mathematics in Ancient India*, Centre d'Histoire des Sciences et des techniques reconnu par le Conseil de la Recherche de l'ULB, Brussels

### June 2009

'The Tables of Bar Hiyya in context', workshop *Medieval Monographs on the Jewish Calendar*, University College London

### July–August 2009

'Introducing the Edition of the *Handy Tables*', lecture for the Commission for the History of Ancient and Medieval Astronomy, International Congress of the History of Science, Budapest (also chaired one of the sessions; participation in the Congress assisted by a British Academy grant)

# Simon Mitton

Simon Mitton's main research project is an intellectual history of attempts to understand how structure arises in the Big Bang universe: what processes led to the formation of clusters of galaxies, for example? The narrative begins with the Greek philosophers and their ideas of the mechanism of the heavens, then moves to the medieval period and the origin of the scientific method, followed by the Copernican and Newtonian revolutions. Original scholarship concentrates on the period from 1990 (yes, that recent, and it really is history already!) with the idea that 96% of the universe is hidden from view. The book, a joint project with Professor Jeremiah Ostriker (Princeton University) is contracted to Princeton University Press.

## Publications

### Reviews

- Mitton, S. Review of E. Reeves, *Galileo's Glassworks: The Telescope and the Mirror*, in *Times Higher Education*, 22 May 2008
- Mitton, S. Review of G. Fraser, *Cosmic Anger: Abdus Salam – The First Muslim Nobel Scientist*, in *Times Higher Education*, 24 July 2008
- Mitton, S. Review of R. Giacconi, *Secrets of the Hoary Deep: A Personal History of Modern Astronomy*, in *Times Higher Education*, 16 October 2008
- Mitton, S. Review of G.'t Hooft, *Playing with Planets*, in *Times Higher Education*, 13 November 2008
- Mitton, S. Review of R. Staley, *Einstein's Generation: The Origins of the Relativity Revolution*, in *Times Higher Education*, 8 January 2009
- Mitton, S. Review of E. Gates, *Einstein's Telescope: The Hunt for Dark Matter and Dark Energy in the Universe*, 16 April 2009
- Mitton, S. Review of J. Farrell, *The Day Without Yesterday: Lemaître, Einstein, and the Birth of Modern Cosmology*, in *Science and Christian Belief* 21 (2009), 94–95

### Articles in journals

- Mitton, S. 'New VIM cleans up solution of nonlinear equations', *Science Watch*, July/August 2008
- Mitton, S. 'With applications looming, is graphene the new silicon?', *Science Watch*, September/October 2008
- Mitton, S. 'Extraordinary x-ray observatory excites astronomers', *Science Watch*, November/December 2008
- Mitton, S. 'Precision cosmology soars to new heights', *Science Watch*, January/February 2009
- Mitton, S. 'Is this the third revolution for string theory?', *Science Watch*, March/April 2009
- Mitton, S. 'The Good Samaritan hots up superconductivity', *Science Watch*, May/June 2009

## Lecture, Seminars and Conferences

### November 2008

'Fred Hoyle – a life in science', Cambridge University Astronomical Society

### December 2008

(with Jacqueline Mitton) Four invited guest lectures, 'Understanding the universe', Queen Mary 2, Caribbean

# Iris Montero Sobrevilla

In 2008–09 Iris organised the HPS History Workshop at the Department. She was a visiting fellow at the Biblioteca Nacional in Mexico City and a member of the 15th International Atlantic History Seminar at Harvard University.

## Publications

### Articles in books

- Montero Sobrevilla, I. (2008) 'Ciencia y conocimiento' in R. Castellanos (ed.) *200 años de ciudadanía en México*, Fundación Este País-Coordinación Nacional para las Conmemoraciones del 2010

## In Press

### Online

- Montero Sobrevilla, I. (2009) 'Lessons from a sleeping beauty: hummingbird torpor and natural historical knowledge in the Early Modern period', *International Seminar on the History of the Atlantic World*, Harvard University, working paper no. 09-15

## Lectures, Seminars and Conferences

November 2008

“‘And with thunder it awakens’”: early modern notions of hummingbird torpor’, *Nature as Image and Resource in Pre-Colonial and Colonial Spanish America* interdisciplinary workshop, Queen’s University, Belfast

March 2009

‘Time flies: exploring visual links between hummingbird iconography and the Aztec calendar’, Scientific Images Discussion Group, Department of History and Philosophy of Science, University of Cambridge

June 2009

‘Lessons from a sleeping beauty: hummingbird torpor and natural historical knowledge in the Early Modern period’, Second Annual History of Science, Technology and Medicine Postgraduate Workshop, HPS, Cambridge

July 2009

(with M. Keene) ‘Natural mimics: Henry Walter Bates and South America’, British Society for the History of Science Outreach Day, Leicester

(with M. Keene) ‘Henry Walter Bates: anteater eater, hummingbird shooter and friend of the toucan’, *Tangled Stories* storytelling activity, Darwin Festival, Cambridge

August 2009

‘Lessons from a sleeping beauty: hummingbird torpor and natural historical knowledge in the Early Modern period’, International Seminar on the History of the Atlantic World, *The Americas in the Advancement of European Science and Medicine, 1500–1830*, Harvard University

## James Moore

James Moore was interviewed by broadcasters in France, Belgium, The Netherlands, Sweden, Switzerland, USA, Canada, China and Australia, as well as on BBC Four (*Darwin’s Struggle – The Evolution of the Origin of Species*), BBC Radio 3 (*Sunday Feature*), BBC Radio 4 (*Darwin: In Our Time* and *Leading Edge*), BBC Radio 5 Live (*The Naked Scientists*), BBC Local Radio and BBC World Service. Print interviews appeared in *The Times*, *Sunday Times*, *Sunday Telegraph*, *Time Out*, *The Big Issue*, *Smithsonian Magazine*, *Chicago Tribune* and *Wall Street Journal*. He appeared with David Attenborough in an English Heritage video guide to Down House.

## Publications

### Books

Moore, J. and Desmond, A. (2009) *Darwin: De Biografie*, trans. Henk Moerdijk, Nieuw Amsterdam

Moore, J. and Desmond, A. (2009) *Darwin’s Sacred Cause: Race, Slavery and the Quest for Human Origins*, Allen Lane (US hardback edition: Houghton Mifflin Harcourt, Boston; Dutch edition: Nieuw Amsterdam)

### Articles in books

Moore, J. (2009) ‘Darwin’s Cambridge’ in *Darwin Festival, Cambridge, 5–10 July 2009: Main Programme*, 4–5

Moore, J. (2009) ‘Foreword’ in F.W. Nicholas and J.M. Nicholas, *Charles Darwin in Australia*, Anniversary Edition, Cambridge University Press, vii–viii

Moore, J. (2009) ‘Myth 16: That evolution destroyed Charles Darwin’s faith in Christianity – until he reconverted on his deathbed’ in R.L. Numbers (ed.) *Galileo Goes to Jail and Other Myths about Science and Religion*, Harvard University Press, 142–151

Moore, J. (2009) ‘Religion and science’ in D.C. Lindberg and R.L. Numbers (eds) *The Cambridge History of Science*, vol. 6, P.J. Bowler and J.V. Pickstone (eds) *Modern Biological and Earth Sciences*, Cambridge University Press, 541–562

Moore, J. (2009) ‘Wallace in wonderland’ in C. Smith and G. Beccaloni (eds) *Natural Selection and Beyond: The Intellectual Legacy of Alfred Russel Wallace*, Oxford University Press, 351–367

Moore, J. and Desmond, A. (2009) ‘Darwin in 2009’ in A. Desmond and J. Moore, *Darwin*, new edition, Penguin Books, xiii–xvi

Moore, J. and Desmond, A. (2008) ‘Voorwoord’ in A. Desmond and J. Moore, *Darwin: De Biografie*, Nieuw Amsterdam, 11–14

### Articles in journals

Moore, J. ‘My friendship with Ralph Colp’, *Clio’s Psyche* 15 (2008), 162–163

## In Press

### Articles in books

Moore, J. (2009) ‘Creationism’ in D. Patte (ed.) *Cambridge Dictionary of Christianity*, Cambridge University Press

- Moore, J. (2009) 'Darwin, Charles Robert' in D. Patte (ed.) *Cambridge Dictionary of Christianity*, Cambridge University Press
- Moore, J. (2009) 'Evolution and Christianity' in D. Patte (ed.) *Cambridge Dictionary of Christianity*, Cambridge University Press
- Moore, J. and Paul, D. (2009) 'The Darwinian context: evolution and inheritance' in A. Bashford and P. Levine (eds) *The Handbook of the History of Eugenics*, Oxford History Handbooks, Oxford University Press

## Lectures, Seminars and Conferences

### October 2008

Public lecture with interview by Jelle Reumer (Director, Natural History Museum, Rotterdam), Opening Darwinjaar in de Posthoornkerk, Amsterdam

### November 2008

Public interview by Dirk Draulans, Flemish Book Fair, Boekenbeurs 2008, Antwerp

### January 2009

(with Adrian Desmond) 'Discussing Darwin – his "sacred cause"', hosted by Ivvet Modinou, Natural History Museum, London

### February 2009

(with Adrian Desmond) 'Darwin's sacred cause' public event and book launch, Imperial College of Science and Technology, London

'Darwin's sacred cause', public lecture, Oxford Museum of Natural History

'Darwin's sacred cause', Friday Evening Discourse, Royal Institution, London

'Darwin's sacred cause', Annual Darwin Lecture, Shrewsbury Darwin Festival 2009

### March 2009

'Darwin's sacred cause', public lecture, Aye Write! Bank of Scotland Book Festival, Mitchell Library, Glasgow

Panellist (with Steve Jones and Peter Skelton; chair, Jonathan Silvertown), Open University 2009 Annual Lecture, delivered by Richard Dawkins, Natural History Museum, London

'Darwin's sacred cause', public lecture, Linnean Society of London

### May 2009

Chair, Darwin panel, with Steve Jones and Ruth Padel, sponsored by the Open University, Charleston Festival, Charleston House, East Sussex

Roundtable discussion, Center for History and Philosophy of Science, California State University, Fullerton

'Darwin's sacred cause and the problem of slavery', banquet address, Human Behavior and Evolution Society annual conference, California State University, Fullerton

### June 2009

'Darwin's sacred cause', public lecture, Cheltenham Science Festival, Cheltenham Town Hall

Talk on Darwin's notebooks, SIN Cru hip-hoppers at Museum of Zoology, University of Cambridge

### July 2009

'Darwin's sacred cause and the problem of slavery', opening plenary lecture, British Society for the History of Science annual meeting, University of Leicester

'A Darwinian pedigree for eugenics', lecture, *Darwin, Darwinism and Eugenics*, Social Science Focus Session, Darwin 2009 Festival, University of Cambridge

Guest field trip, BIOL S-112 Study Abroad at Oxford: Darwin and the Origins of Evolutionary Biology (Dr Andrew Berry), Harvard University Summer School, Cambridge (UK)

'Darwin's sacred cause', opening plenary address, *Ideas and Instruments in Social Context*, 23rd International Congress of History of Science and Technology (IUHPS/DHST), Budapest University of Technology and Economics, Budapest

### August 2009

'Darwin's sacred cause', public lecture, Edinburgh International Book Festival, Peppers Theatre

'The use and abuse of Darwin', public debate, with Adam Phillips, Barbara Taylor and Susan Manning; chair, Richard Holloway; Edinburgh International Book Festival

'Darwin's progress and the problem of slavery', Progress in Human Geography Lecture, *Geography, Knowledge and Society*, Royal Geographical Society with Institute of British Geographers Annual International Conference, University of Manchester

### September 2009

Chair, 'Does Darwin have a future?', with Jim Endersby, Thomas Dixon and Marwa Elshakry, presidential session, History of Science Section, British Science Festival, University of Surrey

- ‘Darwin’s progress and the problem of slavery’, plenary public lecture, *Evolution of Brain, Behaviour and Intelligence* conference, Wellcome Trust Conference Centre and Genome Campus, Hinxton, Cambridge
- ‘Darwin’s sacred cause’, public lecture, National Science Week, Oslo, Norway
- ‘Darwin, Wallace and Hurstpierpoint’, lecture, Treeps House, Hurstpierpoint, Sussex
- ‘Darwin’s sacred cause’, public lecture, Hurstpierpoint Festival, Danny House, Hurstpierpoint, Sussex

## Adam Mosley

On 1 October 2008, Adam Mosley was promoted to Senior Lecturer in the Department of History, School of Humanities, Swansea University; on 1 August 2009, as the world changed around him, he became Senior Lecturer in the Department of History & Classics, School of Arts & Humanities, Swansea University. In June 2009, he completed a three-year term on the Council of the British Society for the History of Science.

### In Press

#### Articles in books

Mosley, A. ‘Early-modern cosmography: Finé’s *Sphaera Mundi* in content and context’ in A. Marr (ed.) *The Worlds of Oronce Fine: Mathematics, Instruments, and the Book in Renaissance France*, St Andrews Studies in Art History, Vol. II, Paul Watkins Publishing

#### Articles in journals

Mosley, A. ‘The cosmographer’s role in the sixteenth century: a preliminary study’, *Archives Internationales d’Histoire des Sciences* (2009), special issue

### Lectures, Seminars and Conferences

#### April 2009

- ‘Heaven on Earth: cosmography and the divine’, Early Modern Philosophy and the Scientific Imagination Seminar (EMPHASIS), School of Advanced Study, University of London
- ‘Getting back to basics: spherical astronomy and cosmography in the sixteenth and seventeenth centuries’, Crawford Project Workshop, Royal Observatory, Edinburgh, and University of Edinburgh

#### June 2009

‘Relative marginality: significance and insignificance in the history of early modern science’, Early Modern Summer Workshop: *Margins*, Swansea University

#### July 2009

‘Vincenzo Maria Coronelli’s *Atlante Veneto* (1691)’, Diagrams, Figures and the Transformation of Astronomy, 1450–1650 Project Workshop: *Terminology and Typology of Astronomical Images, 1450–1650*, University of Cambridge

#### August 2009

‘Trusting in Tycho: Kepler’s use of Tycho’s data in the *Astronomia Nova*’, Special Session IX: Marking the 400th Anniversary of Kepler’s *Astronomia Nova*, International Astronomical Union General Assembly XXVII, Rio de Janeiro

## Lisa Mullins

### Publications

#### Books

Mullins, L. (2009) *Science in the Renaissance*, Crabtree

### In Press

#### Articles in journals

Mullins, L. ‘Newton and the Parisian Académie Royale des Sciences’, *Enlightenment and Dissent* 25 (2009)



# Ayesha Nathoo

Ayesha Nathoo gave a new lecture course on the History and Politics of Global Health for HPS Part II Paper 8 in Lent Term 2009. She also co-lectured with Jim Secord on the Paper 5 lecture course Science Communication.

## Publications

### *Books*

Nathoo, A. (2009) *Hearts Exposed: Transplants and the Media in 1960s Britain*, Palgrave Macmillan

### *Articles in journals*

Nathoo, A. 'Face transplantation: learning from the heart', *Wellcome History*, issue 39 (2008), feature article

## Lectures, Seminars and Conferences

### *October 2008*

Nathoo, A. 'Will you save a stranger's life?: Fashioning organ donation since the 1960s', Health and Welfare Seminar, Centre for Research in Arts, Social Sciences and Humanities (CRASSH), University of Cambridge

### *November 2008*

Nathoo, A. 'The gift of life: promoting organ donation since the 1960s', Clare Hall Arts, Society and Humanities (ASH) Colloquia, Cambridge

Nathoo, A. 'Organ donation: social and historical perspectives', Oxford Forum for Medical Humanities, University of Oxford

### *February 2009*

Nathoo, A. 'Giving of ourselves', Cambridge University Student Pugwash Society

### *March 2009*

Nathoo, A. 'Hearts exposed: transplants and the media in 1960s Britain', Centre for the History of Medicine, University of Birmingham

### *May 2009*

Nathoo, A. 'Expectations of giving', *Sympathies and Antipathies: Altruism and Emotional Response Across the Disciplines* conference, CRASSH, University of Cambridge

# Jaume Navarro

Jaume Navarro is a Humboldt Scholar at the Max Planck Institute for the History of Science, Berlin.

## Publications

### *Articles in books*

Navarro, J. (2008) 'La comprensió del fenomen científic. Una perspectiva històrica' in X. Escribano (ed.) *Territoris Humans de la Salut*, Barcelona: Duxelm

## In Press

### *Articles in journals*

Navarro, J. 'Electron diffraction *chez* Thomson. Early responses to quantum physics in Britain', *British Journal for the History of Science*

Navarro, J. "'A dedicated missionary": Charles Galton Darwin and the new quantum mechanics in Britain', *Studies in the History and Philosophy of Modern Physics*

Navarro, J. 'Religious truth and scientific relativism', *Studies in Science and Theology*

## Lectures, Seminars and Conferences

### *May 2009*

Convenor of the workshop *Metaphysics, Ontology and the Science-Religion Debate*, Thomas More Institute, London

### *June 2009*

Invited lecturer at *Reduction, Emergence and Essence*, Institute for the Study of Nature summer seminar, MIT, Cambridge, MA

# Alison Pearn

Assistant Director, Darwin Correspondence Project

## Publications

### Books

Pearn, A.M. (ed.) (2009) *A Voyage Round the World: Charles Darwin and the Beagle Collections in the University of Cambridge*, Cambridge University Press

Pearn, A.M. (ed. with F. Burkhardt and the Darwin Correspondence Project) (2009) *The Correspondence of Charles Darwin* vol. 17 (1869), Cambridge University Press

### Reviews

Pearn, A.M. 'Corresponding with Darwin', *USA Today Magazine*, May 2009

## Lectures, Seminars and Conferences

### January 2009

Contributor, *Darwin: In Our Time*, BBC Radio 4

### February 2009

'Charles Darwin and Cambridge', Cambridge University Visiting Scholars Association

### April 2009

'Darwin's life in letters', Biggleswade School

### June 2009

'Charles Darwin: a life in letters', Eugenides Foundation, Athens

### July 2009

'"This excellent observer...": the correspondence between Charles Darwin and James Crichton-Browne', British Society for the History of Science conference, Leicester

## Exhibitions

Curator, *A Voyage Round the World*, Charles Darwin bicentenary exhibition at Cambridge University Library, July to December 2009

# Hilary Powell

## Lectures, Seminars and Conferences

### October 2008

'Pilgrimage in practice: narrative and ritual in the *Miracula S. Æbbe*', colloquium on *Sharing Sacred Space*, University College, Oxford

### February 2009

'Healing words: hagiographic evidence for medieval medical practice', Darwin Humanities and Social Sciences Seminar, Darwin College, Cambridge

### July 2009

'Saints and the manufacture of *materia medica*', Forty-Eighth Annual Summer Meeting of the Ecclesiastical History Society, St Aidan's College, University of Durham

# Katy Price

## Lectures, Seminars and Conferences

### March 2009

'Coutts Brisbane and science fiction satire in the *Yellow Magazine*', British Society for Literature and Science, University of Reading

### July 2009

'Street lighting and "the man in the street"', British Society for the History of Science, University of Leicester

September 2009

'Dreaming the future: J.W. Dunne's *An Experiment with Time*', *Looking Back on the End of Time – Modernism and Beyond*, University of East Anglia

## Sadiya Qureshi

### Publications

#### Reviews

Qureshi, S. Review of C. Crais and P. Scully, *Sara Baartman and the Hottentot Venus: A Ghost Story and a Biography*, in *Journal of Imperial and Commonwealth History* 37 (2009) 343–344

### In Press

#### Books

Qureshi, S. (2010) *Performing Race: Exhibitions, Empire and Anthropology in Nineteenth-Century Britain*, Chicago

#### Reviews

Qureshi, S. Review of A. Desmond and J. Moore, *Darwin's Sacred Cause: How A Hatred of Slavery Shaped Darwin's Views on Human Evolution*, in *Isis* (2010)

### Lectures, Seminars and Conferences

November 2008

'Converting "unfruitful wonder": R.G. Latham, displayed peoples and the natural history of race, 1843–1863', Institut Francais, South Kensington, London

March 2009

'Dying Americans: race, extinction and conservation in the New World', *From Plunder to Preservation: Britain and the 'Heritage' of Empire, c.1820–c.1940* conference, King's College, Cambridge

April 2009

'Performing race: displaying and studying "exotic" humans in Victorian Britain', *Instruction, Amusement and Spectacle: Popular Shows and Exhibitions, 1800–1914* conference, University of Exeter

July 2009

Panel participant in a workshop on 'Performing science', University of Pennsylvania, Philadelphia

## Jennifer Rampling

Jenny spent three months as Robert W. Allington Fellow at the Chemical Heritage Foundation, Philadelphia, and continued as a research associate of the Wellcome Trust Centre for the History of Medicine at UCL. She is the student representative on the Council of the Society for the History of Alchemy and Chemistry (SHAC), and editor of the SHAC newsletter, *Chemical Intelligence*, launched in May. At HPS, she continued to run the weekly Latin Therapy seminars in Michaelmas and Lent terms, and co-convoked the new Arabic Therapy group. She initiated and co-organised the international John Dee Quatercentary Conference at St John's College, Cambridge, and in spring 2009 will be a fellow at the Scaliger Institute, University of Leiden.

### Publications

#### Articles in books

Rampling, J.M. (2008) 'George Ripley and alchemical consensus' in J.R. Bertomeu-Sánchez, D.T. Burns and B. Van Tiggelen (eds) *Neighbours and Territories: The Evolving Nature of Chemistry*, Louvain-la-neuve: Mémosciences, 249–252

#### Articles in journals

Rampling, J.M. 'Establishing the Canon: George Ripley and his alchemical sources' (awarded the 2008 Partington Prize), *Ambix* 55 (2008), 189–208

#### Reviews

Rampling, J. Review of A. Kavey, *Books of Secrets: Natural Philosophy in England, 1550–1600*, in *Ambix* 55 (2008), 300–301

Rampling, J. Review of S.J. Linden (ed.) *Mystical Metal of Gold: Essays on Alchemy and Renaissance Culture*, in *Modern Language Review* 104 (2009), 532–534

## **In Press**

### **Books**

Rampling, J., Banham, D. and Jardine, N. (eds) (2009) *Recipes for Disaster*, Cambridge: Whipple Museum

### **Articles in books**

Rampling, J. (2009) ‘The errors of certain alchemists: George Ripley’s *Philorcium*’ in J. Rampling et al (eds) *Recipes for Disaster*, Cambridge: Whipple Museum

Banham, D., Eagleton, C. and Rampling, J. (2009) ‘Masters of incompetence: taking an MA in fifteenth-century Oxford’ in J. Rampling et al (eds) *Recipes for Disaster*, Cambridge: Whipple Museum

Rampling, J.M. (2010) ‘Alchemical translation in Rudolphine Prague: the case of George Ripley’ in I. Purš (ed.) *Alchemy in the Time of Rudolf II*, Prague: Artefactum

Rampling, J.M. (2010) ‘The universal solvent: George Ripley and European alchemy’ in M.L. Pérez, M. Rey Bueno and J. Rodríguez Guerrero (eds) *Chymia: Science and Nature in Early Modern Europe (1450–1750)*, Leiden: Brill

### **Reviews**

Rampling, J. Review of T. Nummedal, *Alchemy and Authority in the Holy Roman Empire*, in *Technology and Culture* (2009)

Rampling, J. Review of R. Sugg, *Murder after Death: Literature and Anatomy in Early Modern England*, in *The Seventeenth Century* (2010)

## **Lectures, Seminars and Conferences**

### *October 2008*

‘Cracking alchemical codes’, public lecture, Cambridge Festival of Ideas

### *November 2008*

‘Hunting the phoenix: an alchemical detective story’, HPS History Workshop, Department of History and Philosophy of Science, University of Cambridge

### *December 2008*

‘George Ripley and the alchemy of Elizabethan England’, Thomas Harriot Seminar, Durham University

### *January 2009*

‘Cracking alchemical codes’, community lecture, Hilltop Centre, Cambridge

### *February 2009*

‘Fools’ gold or philosophers’ stone? Investing in alchemy in early modern Europe’, corporate lecture, Winton Capital Management, Oxford

‘The chemistry of the philosophers’ stone’, Cambridge University Chemical Society

‘The philosophers’ stone as *medicina* in medieval English alchemy’, Early Modern Reading Group, Wellcome Trust Centre for the History of Medicine at UCL

### *March 2009*

‘Alchemy and patronage in Tudor England’, 55th Annual Meeting of the Renaissance Society of America, Los Angeles

### *April 2009*

‘George Ripley at court: a medieval alchemist in Elizabethan England’, Brown Bag Lecture, Chemical Heritage Foundation, Philadelphia

### *May 2009*

‘English alchemy in early modern Europe’, CALCIUM seminar, Chemical Heritage Foundation, Philadelphia

### *June 2009*

‘Metals, medicine and magic: mining medieval manuscripts’, GCSE access day, St Catharine’s College, Cambridge

### *August 2009*

‘Ripley revis’ d: reading medieval alchemy in early modern Europe’, 7th International Conference on the History of Chemistry, Sopron, Hungary

### *September 2009*

‘Dee and the alchemists’, John Dee Quatercentenary Conference, St John’s College, Cambridge

# Russell Re Manning

Russell Re Manning is a University Lecturer in Philosophy of Religion at the Faculty of Divinity, Cambridge. He is currently developing his research interests in the intellectual history of natural theology. He is co-chair of the 'Paul Tillich: Issues in Religion, Theology, and Culture' Group of the American Academy of Religion and Vice-President of the North American Paul Tillich Society. He is also the Course Director for the 'Culture' Summer School at the Centre for the Study of Jewish-Christian Relations, University of Cambridge.

## Publications

### Books

Re Manning, R. (ed.) (2009) *The Cambridge Companion to Paul Tillich*, Cambridge University Press

### Articles in books

Re Manning, R. (2009) 'Tillich's theology of art' in R. Re Manning (ed.) *The Cambridge Companion to Paul Tillich*, Cambridge University Press, 152–172

Re Manning, R. (2009) various entries in M. Vernon (ed.) *The Chambers Dictionary of Religions and Beliefs*, Chambers Harrap

## In Press

### Books

Re Manning, R. (ed.) with J.H. Brooke and F. Watts (consultant eds) (2012) *The Oxford Handbook of Natural Theology*, Oxford University Press

### Articles in books

Re Manning, R. (2010) 'Tillich' in K. Pollmann (ed.) *The Oxford Guide to the Historical Reception of Augustine*, Oxford University Press

Re Manning, R. (2011) 'Tillich, Barth, and the shape of British theology' in M.A. Reijnen (ed.) *Paul Tillich et Karl Barth. Accords et Antagonismes Théologiques*, LIT Verlag

Re Manning, R. (2012) 'Histories of natural theology' in R. Re Manning (ed.) *The Oxford Handbook of Natural Theology*, Oxford University Press

## Lectures, Seminars and Conferences

### May 2009

'In search of natural theology', D Society, Faculty of Divinity, University of Cambridge

'Paul Tillich, Karl Barth, and the shape of British theology', Colloque Paul Tillich, Institut Protestant de Théologie, Paris

### June 2009

'The breakthrough of revelation: Christology and theology of culture in Paul Tillich', Modern Theology Seminar, Faculty of Theology, University of Oxford

# Michael Redhead

## In Press

### Books

Groom, S. and Redhead, M. *God, Belief and Explanation*, Harvard University Press

### Articles in books

Redhead, M. 'The vacuum in antiquity and in modern physics' in *Bell Festschrift* (Western Ontario Philosophy of Science Series)

### Articles in journals

Debs, T. and Redhead, M. 'In defence of conventionalism' (reply to reviews of *Objectivity, Invariance and Conventionalism: Symmetry in Physical Science*), *Metascience*

# Nicky Reeves

Nicky Reeves had the viva for his PhD thesis, 'Constructing an instrument: Nevil Maskelyne and the zenith sector, 1760–1774', in January 2009. Corrections were approved in August 2009.

## Publications

### Articles in journals

Reeves, N. "'To demonstrate the exactness of the instrument": mountainside trials of precision in Scotland, 1774', *Science in Context* 22 (2009), 323–340

## Lectures, Seminars and Conferences

### October 2008

'The global transport of scientific hardware', 6th Global Arts East Meets West Workshop: *The Natural World and Global Culture*, Museum of the History of Science, Oxford.

### July 2009

'Disciplining materials and bodies: Nevil Maskelyne and the construction of the zenith sector', *The Long View: 400 Years of the Telescope*, National Maritime Museum, Greenwich

### August 2009

'Astronomy in the field: Mason, Dixon and the Greenwich Observatory, 1763–1768', *Global Visions? The Telescope Between Competition and Collaboration*, symposium at the 23rd International Congress of History of Science and Technology, Budapest

# Hauke Riesch

On 12 May 2009 I started working on a two-year postdoc project funded by the European Commission on the Public Understanding of Carbon Capture and Storage Technology ([www.communicationnearco2.eu](http://www.communicationnearco2.eu)) at the Judge Business School. I continue to work with the Winton Programme for the Public Understanding of Risk on a voluntary basis.

## Publications

### Reviews

Riesch, H. Review of D. Lecourt, *L'Amérique entre la Bible et Darwin*, in *The Pantaneto Forum*, Issue 31 (2008)

Riesch, H. Review of J. Harmon and A. Gross (eds) *The Scientific Literature*, in *Public Understanding of Science* 17 (2008), 509–510

## In Press

### Articles in journals

Riesch, H. and Spiegelhalter, D. "'Careless pork costs lives": risk stories from science to press release to media', *Health, Risk and Society*

## Lectures, Seminars and Conferences

### October 2008

'On the philosophical talk of scientists', Foundations of the Formal Sciences VII conference, Brussels

### February 2009

'"Can somebody please make up their minds?" How the media represent the risk of drinking during pregnancy', London Public Understanding of Science seminar series

### June 2009

'"Can somebody please make up their minds?" How the media represent the risk of drinking during pregnancy', Science and the Public conference, University of Brighton

# Eleanor Robson

At the end of August the AHRC-funded research project that I run completes its second year of five. *The Geography of Knowledge in Assyria and Babylonia* (<http://cdl.museum.upenn.edu/gkab>) has now produced online editions of some 400 ancient scholarly works written on cuneiform tablets, ranging from medicine to mathematics to mythology. Each manuscript is given in alphabetic transliteration and English translation, with bibliography and integrated glossary, using the Cuneiform Digital Library suite of tools developed by co-director Professor Steve Tinney of the University of Pennsylvania.

This year the project has said goodbye to Research Associates Dr Frances Reynolds and Dr Philippe Clancier, who have moved on to jobs at the University of Oxford and the Sorbonne, and welcomed Dr Marie-Françoise Besnier. Dr Greta van Buylaere will join us in October. Dr Graham Cunningham continues as Senior Research Associate.

In July my book *Mathematics in Ancient Iraq: A Social History* (Princeton, 2008) was awarded an Honourable Mention in the British-Kuwait Friendship Society Prize in Middle Eastern Studies (2009), administered by the British Society for Middle Eastern Studies (BRISMES).

## Publications

### Books

Robson, E. and Stedall, J. (eds) (2009) *The Oxford Handbook of the History of Mathematics*, Oxford University Press

### Online

Robson, E., Besnier, M.-F., Clancier, P., Cunningham, G., Reynolds, F. and Tinney, S. (2007–) *Corpus of Ancient Mesopotamian Scholarship* (<http://cdl.museum.upenn.edu/cams/>), Cambridge and Philadelphia

Radner, K., Robson, E. and Tinney, S. (eds) (2007–) *State Archives of Assyria Online* (<http://cdl.museum.upenn.edu/saa/>), in conjunction with colleagues worldwide

Radner, K., Robson, E., Tinney, S. and Horry, R. (2009) *Cuneiform Revealed* (<http://knp.prs.heacademy.ac.uk>), UCL, Cambridge and Philadelphia

### Articles in books

Robson, E. (2009) 'Mathematics education in an Old Babylonian scribal school' in E. Robson and J. Stedall (eds) *The Oxford Handbook of the History of Mathematics*, Oxford University Press, 199–228

### Articles in journals

Clark, K. and Robson, E. 'Ancient accounting in the modern mathematics classroom', *BSHM Bulletin* 23 (2008), 129–142

Robson, E. and Clark, K. 'The cuneiform tablet collection of Florida State University', *Cuneiform Digital Library Journal* 2009:2 (<http://cdli.ucla.edu/pubs/cdlj/2009/002.html>)

### Reviews

Robson, E. 'Written in the body', review of Z. Bahrani, *Rituals of War: The Body and Violence in Mesopotamia*, in *Times Literary Supplement*, 10 October 2008, 27

## In Press

### Books

Baker, H.D., Robson, E. and Zólyomi, G. (eds) (2010) *Your Praise is Sweet: A Memorial Volume for Jeremy Black from Students, Colleagues and Friends*, British Institute for the Study of Iraq

### Articles in books

Ohgama, N. and Robson, E. (2010) 'Scribal schooling in Old Babylonian Kish' in H.D. Baker, E. Robson and G. Zólyomi (eds) *Your Praise is Sweet: A Memorial Volume for Jeremy Black from Students, Colleagues and Friends*, British Institute for the Study of Iraq

Robson, E. (2010) 'The discovery of Professor von Saalbrandt: a Philadelphia story' in W.J. Heimpel (ed.) *Strings and Threads: A Celebration of the Work of Anne D. Kilmer*, Eisenbrauns

Robson, E. (2010) 'Empirical scholarship in the Neo-Assyrian court' in G. Selz and K. Wagensonner (eds) *The Empirical Dimension of Ancient Near Eastern Studies*, Institut für Orientalistik Universität Wien

Robson, E. (2010) 'Reading the libraries of Assyria and Babylonia' in G. Woolf (ed.) *Ancient Libraries*

### Reviews

Robson, E. Review of C. Proust, *Tablettes mathématiques de Nippur*, in *Annals of Science* 66 (2009)

Robson, E. Review of W.G. Lambert, *Babylonian Oracle Queries*, in *Bulletin of the School of Oriental and African Studies* 72 (2009)

Robson, E. Review of S. Cuomo, *Technology and Culture in Greek and Roman Antiquity*, in *British Journal for the History of Science* 42 (2009)

Robson, E. Review of D. Lehoux, *Astronomy, Weather, and Calendars in the Ancient World: Parapegmata and Related Texts in Classical and Near-Eastern Societies*, in *British Journal for the History of Science* 42 (2009)

Robson, E. Review of C. Proust, M. Krebernik and J. Oelsner, *Tablettes mathématiques de la collection Hilprecht*, in *Mathematische Semesterberichte* 57 (2010)

## Lectures, Seminars and Conferences

September 2008

‘Reading the libraries of Assyria and Babylonia’, *Ancient Libraries* conference, Department of Classics, University of St Andrews

November 2008

‘Reading the libraries of Assyria and Babylonia’, Carsten Niebuhr Institute, University of Copenhagen

December 2008

‘Disciplinary terminology in Assyria and Babylonia’, *Actors’ and Observers’ Categories in East and West: Changing Typologies of Science in Practice and Scholarship* workshop, Needham Research Institute, Cambridge

February 2009

‘Translation, representation, interpretation’, History and Theory Reading Group, Department of History and Philosophy of Science, University of Cambridge

July 2009

‘Cuneiform circles’, Museum of the History of Science, Oxford

## Leon Rocha

During the 2008–09 academic year, Leon Rocha continued to run the Modern China Reading Group at the Centre for Research in the Arts, Social Sciences and Humanities (CRASSH) in Cambridge. In August 2009, he was appointed Lecturer of the History of Medicine at the Yale University School of Medicine for 2009–10.

## Lectures, Seminars and Conferences

November 2008

‘Sex in Shanghai’s Fuzhou Road, 1920s’, Interdisciplinary Workshop on Reproduction IV, Centre for Research in the Arts, Social Sciences and Humanities (CRASSH), University of Cambridge

February 2009

‘*Scientia Sexualis* versus *Ars Erotica*: Foucault, van Gulik, Needham, Orientalism’, Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge

May 2009

‘The many faces of “Mr Sai” in China: democracy, scientism, “science and philosophy of life debate”’, *Politics, Memory and Dissent: May Fourth, June Fourth and Beyond* conference, University of British Columbia

June 2009

‘Selling *New Culture*: Zhang Jingsheng’s beauty bookshop’, Junior Scholars’ Conference on Modern Chinese Literature and Culture, Faculty of Asian and Middle Eastern Studies, University of Cambridge

## Martin Rudwick

### Publications

#### Articles in books

Rudwick, M.J.S. (2008) ‘Biblical flood and geological deluge: the amicable dissociation of geology and Genesis’ in M. Kölbl-Ebert (ed.) *Geology and Religion: A History of Harmony and Hostility*, The Geological Society, *Special Publication* 310, 103–110

Rudwick, M.J.S. (2009) ‘The early Geological Society in its international context’ in C.L.E. Lewis and S.J. Knell (eds) *The Making of the Geological Society of London*, The Geological Society, *Special Publication* 317, 145–153

#### Articles in journals

Rudwick, M.J.S. ‘Author’s response’ [to A.M.C. Şengör, ‘A Rankean view of historical geology and its development’], *Earth Sciences History* 28 (2009), 135–141



## Lectures, Seminars and Conferences

October 2008

'The visual language of geology 1760–1840', Scientific Images Discussion Group, Department of History and Philosophy of Science, University of Cambridge

February 2009

'4004 BC and all that: geology and Genesis in Darwin's day and ours', Shrewsbury Darwin Festival, Shrewsbury

June 2009

'The background to the problem of human antiquity', colloquium on *John Evans and Human Antiquity*, Society of Antiquaries, London

'In the footsteps of Charles Darwin: the parallel roads of Glen Roy', co-leader of field trip to Lochaber (Scotland) and author of field guide, History of Geology Group, Geological Society of London

July 2009

'Darwin in Glen Roy: the how and why of a "gigantic blunder"', conference on *Darwin in the Field: Collecting, Observation and Experiment*, Sedgwick Museum of Earth Sciences, University of Cambridge

## Colin A. Russell

Colin Russell is Emeritus Professor in the History of Science at the Open University. He is currently working on a book on chemistry and the railway industry.

### Publications

#### Books

Russell, C.A. (2009) Japanese translation of *Michael Faraday: Physics and Faith*, Oxford University Press

Russell, C.A. (2009) *From Atoms to Molecules: Studies in the History of Chemistry from the 19th Century*, Variorum Collected Studies Series, Ashgate Press

#### Articles in books

Russell, C.A. (2009) 'Some early responses to the special properties of water' in R.M. Lynden-Bell, S.C. Morris, J.D. Barrow, J.L. Finney and C.L. Harper, Jr. (eds) *Water and Life: The Unique Properties of Water*, Taylor & Francis

#### Articles in journals

Russell, C.A. 'Darwin in his day', *Baptist Times*, 12 Feb. 2009

#### Reviews

Russell, C.A. Review of N. Spencer and R. White, *Christianity, Climate Change and Sustainable Living*, in *Science & Christian Belief* 20 (2008), 218–220

### In Press

Russell, C.A. (2010) Memorial article on C. Rees in *New Dictionary of National Biography*, Oxford University Press

## Lectures, Seminars and Conferences

October 2008

'The conflict thesis', CiS Lecture, University of Southampton

December 2008

'Archibald Cochrane, 9th Earl of Dundonald', SHAC Lecture, Birkbeck College, University of London

March 2009

'The origins of organometallic chemistry', Wheeler Memorial Lecture for the Royal Society of Chemistry, London

May 2009

'William Crookes', University of Chester

# Christine F. Salazar

## Publications

### Books

Salazar, C.F. (editor-in-chief) (2009) *Brill's New Pauly*, vol. XIV (Sym–Tub), Leiden: Brill

## In Press

### Articles in books

Salazar, C.F. (2009) 'Caring for the sick and wounded' in B. Campbell and L. Tritle (eds) *The Oxford Handbook of Warfare in the Classical World*, Oxford University Press, ch. III.8

Salazar, C.F. (2009) 'Medicine, Roman military' and 'Wounds, nature and treatment of' in R. Bagnall et al. (eds) *Encyclopedia of Ancient History*, Wiley-Blackwell

## Lectures, Seminars and Conferences

### March 2009

Participation in the Workshop on Ancient Greek and Roman Scientific, Medical and Technical Writing, Newnham College, Cambridge

### May 2009

'Körperliche Übungen und ihr medizinischer Wert bei Oreibasios', Rheinischer Kreis der Medizinhistoriker, Annual Meeting 2009, University of Leiden, The Netherlands

### June 2009

'Die Instrumente des Paulos von Aigina', Arbeitskreis Alte Medizin, University of Mainz, Germany

# Simon Schaffer

In 2008–09 Simon Schaffer held a Leverhulme Major Research Fellowship.

## Publications

### Books

Schaffer, S. (2008) *The Information Order of Isaac Newton's Principia Mathematica*, Uppsala: Salvia Samskrifter

Schaffer, S. and Lowe, A. (2009) *Anish Kapoor: Unconformity and Entropy*, Madrid: Turner Editions

### Articles in journals

Schaffer, S. 'Les techniques de l'expérimentation', *Tracés: Revue de Sciences Humaines* 16 (2009), 265–281

Schaffer, S. 'Newton on the beach: the information order of *Principia mathematica*', *History of Science* 47 (2009), 243–276

## Lectures, Seminars and Conferences

### October 2008

'The information order of Isaac Newton's *Principia mathematica*', Hans Rausing Lecture, Uppsala University

'Vision and image in educational reform', conference on Visualising Knowledge, CRASSH, Cambridge

### November 2008

'The tragedy of Thomas Hobbes', debate with Adriano Shaplin, Royal Society of London

### March 2009

'High science: hill stations and modern astrophysics', Twentieth Century Think Tank, HPS, University of Cambridge

### April 2009

Co-organiser with Nick Hopwood and Jim Secord, conference on Seriality and Scientific Objects in the Age of Capital and Empire

### May 2009

'Scientists, sages and celebrities: the changing place of intellectuals in public life', debate at the Royal Society of London

Commentator in workshop: 'Are we ready to recast the history of science?', CRASSH, University of Cambridge

'Enlightenment science and global networks', conference on Writing the History of the Global, British Academy

June 2009

Commentator in 2nd Annual History of Science, Technology and Medicine Workshop Programme, HPS, University of Cambridge

## Anne Secord

### In Press

#### Articles in books

Secord, A. (2010) 'Coming to attention: a commonwealth of observers during the Napoleonic Wars' in L. Daston and E. Lunbeck (eds) *Histories of Scientific Observation*, University of Chicago Press

### Lectures, Seminars and Conferences

November 2008

'Nature's "rejectamenta": seaweeds and the scientific observer', History of Science Society Annual Meeting, Pittsburgh, Pennsylvania

February 2009

'Things': readings co-introduced with Melanie Keene at the History and Theory Reading Group, Department of History and Philosophy of Science, University of Cambridge

March 2009

'Observing the Manchester poor, 1830–1850', conference on *Observation in Economics and the Natural Sciences, Historically Considered*, University of Amsterdam

September 2009

'Cool fruits and hotbeds: the unnatural cultivation of the eighteenth-century cucumber', conference on *Vegetable Love: Edible Plants Between Nature and Culture*, Centre for Research in the Arts, Social Sciences and Humanities, University of Cambridge

## Jim Secord

2009 was inevitably dominated by the bicentenary of Darwin's birth, which provided numerous opportunities for publicizing the HPS Department and especially the work of the Darwin Correspondence Project, which Jim Secord continues to direct. This included appearances on radio and television in many different countries, particularly in the UK (BBC Two, BBC Four, Radio 3, Radio 4, Radio Cambridgeshire, BBC World Service). He also served as principal academic advisor to the Fitzwilliam Museum exhibition 'Endless Forms: Charles Darwin and the Visual Arts', and was actively involved in organizing the July 2009 Darwin Festival. Together with Haiyan Yang, a visitor from China in HPS during the academic year, he obtained British Council funding for a 'Darwin Now' exchange programme between Cambridge and Beijing. He also continued his role as principal investigator on the Leverhulme-funded 'Past versus Present' project of the Cambridge Victorian Studies group, and is a co-PI on the successful Wellcome-funded 'Generation to Reproduction' Strategic Award. These activities have involved organising several day meetings and seminars, as well as a role in hosting the joint meeting in July between the North American Victorian Studies Association and the British Association for Victorian Studies.

### Publications

#### Books

Secord, J. (edited with F. Burkhardt and the Darwin Correspondence Project) (2009) *The Correspondence of Charles Darwin*, vol. 17, Cambridge University Press

#### Articles in books

Secord, J. (2009) 'Science, technology and mathematics' in D. McKitterick (ed.) *The Cambridge History of the Book in Britain*, vol. 6, Cambridge University Press, 443–474

#### Articles in journals

Secord, J. 'Introduction' to Focus section on 'Darwin as a Cultural Icon', *Isis* 100 (2009), 537–541

## In Press

### Books

Secord, J. (edited with F. Burkhardt and the Darwin Correspondence Project) (2009) *The Correspondence of Charles Darwin*, vol. 18, Cambridge University Press

### Articles in books

Secord, J. 'Global Darwin' in W. Brown (ed.) *Darwin*, Cambridge University Press

### Articles in journals

Secord, J. 'Darwin's correspondence', *Science* (2009)

## Lectures, Seminars and Conferences

### October 2008

'Darwin in a global context', University of the Third Age, Cambridge

### November 2008

'Charles Darwin: The Beagle Letters', Cambridge in America launch, New York City

'The astronomer's scrapbook', invited lecture at *Notes – Sketches – Scribbles: Writing and Drawing as Creative Tools*, Yale University

'Nebular visions: illustrating the *Architecture of the Heavens*', North American Victorian Studies Association, Yale University

### January 2009

'Global Darwin', seminar on *Reconfiguring the British: Empire, Nation, World*, Institute of Historical Research, London

'Global Darwin', Darwin College lecture series, Cambridge

### February 2009

'Charles Darwin', lecture to MCR, Christ's College, Cambridge

'The Darwin Correspondence Project', Second Nature Lecture Series, Second Life (virtual reality), organised by *Nature*

### March 2009

'Darwin', lecture to student medical society, St Catharine's College, Cambridge

(with Prof. John Parker) 'Darwin as a global phenomena', Science Week, Cambridge

'Global Darwin', invited lecture at the Yale Center for British Art, in connection with the exhibition 'Endless Forms'

### April 2009

'Global Darwin', lecture to inaugurate the Yusuf Hamied Centre at Christ's College

Commentary, workshop on *Seriality and Scientific Objects in the Age of Capital and Empire, 1848–1918*, University of Cambridge

### May 2009

'The secret history of Victorian evolution', Faraday Institute Seminar, University of Cambridge

Closing remarks, conference on Victorian Science and Empire, CRASSH, University of Cambridge

### July 2009

'Prehistory', led discussion at joint meeting *Past Versus Present* conference, Churchill College, Cambridge

'Darwin', invited lecture to Templeton journalism fellows, Trinity College, Cambridge

### September 2009

'Parables from nature: Victorian experiments in art and science', Fitzwilliam Museum, Cambridge

'Global Darwin', 19th Alumni Weekend, University of Cambridge

## Emma Spary

### Publications

#### Articles in books

Spary, E.C. (2008) 'Botanical networks reconsidered' in R. Dauser, S. Hächler, M. Kempe, F. Mauelshagen and M. Stuber (eds) *Wissen im Netz: Botanik und Pflanzentransfer in europäischen Korrespondenznetzen des 18. Jahrhunderts*, Akademie-Verlag, 1–18

#### Reviews

Spary, E.C. Review of S.M. Quinlan, *The Great Nation in Decline: Sex, Modernity and Health Crises in Revolutionary France c.1750–1850*, in *Medical History* 53 (2009), 461–462

## In Press

### Books

Spary, E.C. and Klein, U. (eds) (2010) *Materials and Expertise in Early Modern Europe: Between Market and Laboratory*, University of Chicago Press

Spary, E.C. (2011) *Eating the Enlightenment: Food and the Sciences in France, 1675–1760*, University of Chicago Press

### Articles in books

Spary, E.C. (2009) 'Self-preservation: French travels between *cuisine* and *industrie*' in J. Delbourgo, K. Raj, L. Roberts and S. Schaffer (eds) *The Brokered World*, Science History Publications, 355–386

Spary, E.C. and Klein, U. (2010) 'Introduction' in E.C. Spary and U. Klein (eds) *Materials and Expertise in Early Modern Europe: Between Market and Laboratory*, University of Chicago Press

Spary, E.C. (2010) 'Liqueurs and the luxury market-place in eighteenth-century Paris' in E.C. Spary and U. Klein (eds) *Materials and Expertise in Early Modern Europe: Between Market and Laboratory*, University of Chicago Press

## Lectures, Seminars and Conferences

November 2008

'The Empire strikes back: coffee surrogates between the Low Countries and Paris, 1795–1815', conference *Luxury and the Low Countries*, FARO, Brussels

'The matter of nourishment in late eighteenth-century Paris', joint seminar of the Department of Economic and Social History and the Centre for the History of Medicine, University of Glasgow

# Jackie Stedall

## Publications

### Books

Robson, E. and Stedall, J. (eds) (2009) *The Oxford Handbook of the History of Mathematics*, Oxford University Press

Beery, J. and Stedall, J. (2009) *Thomas Harriot's Doctrine of Triangular Numbers: The 'Magisteria Magna'*, European Mathematical Society

## Lectures, Seminars and Conferences

March 2009

'Tschirnhaus transformations and their historical background', Institute Henri Poincaré, Paris

May 2009

'Narratives of algebra', to colloquium 'Unité ou pluralité de l'algebre en Europe (XII–XVIe siècles)', Centre d'Études Supérieures de la Renaissance, Tours

# Liba Taub

Liba Taub is Director and Curator of the Whipple Museum, and Reader in HPS. She serves on the Wissenschaftliche Beirat of the Deutsches Museum (Munich), the Beirat of the Mathematisch-Physicalischer Salon of the Zwinger Museum (Dresden), and the NASA Fellowship Committee for the History of Science Society. She has been elected to chair the Nominations Committee of the History of Science Society, and is also a member of the UK Spoliation Advisory Panel. She serves as Director of Studies in HPS for Newnham College, where she is an Assistant Tutor and Fellow.

## Publications

### Books

Taub, L. and Doody, A. (eds) (2009) *Authorial Voices in Greco-Roman Technical Writing*, Trier: Wissenschaftlicher Verlag

### Articles in books

Taub, L. (2009) 'Cosmology and meteorology' in J. Warren (ed.) *Cambridge Companion to Epicureanism*, Cambridge University Press, 105–124

Taub, L. (2009) 'Explaining a volcano naturally: *Aetna* and the choice of poetry' in L. Taub and A. Doody (eds) *Authorial Voice in Greco-Roman Technical Writing*, Wissenschaftlicher Verlag, 123–139

### Reviews

Taub, L. Review of R. Beck, *A Brief History of Ancient Astrology*, in *Journal for the History of Astronomy* 40 (2009), 227–229

Taub, L. Review of R. Netz and W. Noel, *The Archimedes Codex: Revealing the Secrets of the World's Greatest Palimpsest*, in *Anglo-Hellenic Review* (2009), 20–21

### In Press

#### Articles in books

Taub, L. (2009) 'Meteorology' in A.T. Grafton, G.W. Most and S. Settis (eds) *The Classical Tradition*, Harvard University Press

Taub, L. (2009) 'Winds' in A.T. Grafton, G.W. Most and S. Settis (eds) *The Classical Tradition*, Harvard University Press

Taub, L. (2009) 'Harmony of the Spheres' in A.T. Grafton, G.W. Most and S. Settis (eds) *The Classical Tradition*, Harvard University Press

Taub, L. (2010) 'Comets' in R. Bagnall, K. Brodersen, C. Champion, A. Erskine and S. Huebner (eds) *The Encyclopedia of Ancient History*, Wiley-Blackwell

### Reviews

Taub, L. Review of G. Cavalli-Björkman and S. Lindqvist (eds) *Research and Museums (RAM): Proceedings of an International Symposium in Stockholm 22–25 May 2007*, in *Nuncius* (2009)

### Lectures, Seminars and Conferences

#### March 2009

Organiser (with Aude Doody, University College Dublin) of the Fourth International Workshop on Greco-Roman Scientific and Medical Writing, Newnham College, Cambridge, with support from Newnham College, the Wellcome Trust Enhancement Award in the History of Medicine held in the Department of History and Philosophy of Science (Cambridge), the School of Classics of University College Dublin, and the Classics Faculty (Cambridge)

#### April 2009

'The living body and the Earth: analogy or metaphor in ancient physical explanations?', keynote address presented to Blood, Sweat and Tears conference, Netherlands Institute for Advanced Study, Wassenaar, The Netherlands

'"Of the Face appearing in the roundle of the Moon": on seventeenth-century translations of Plutarch's dialogue *On the Face on the Moon*', invited speaker, Society for the History of Astronomy, special meeting to celebrate the life and work of Dr David Dewhirst, Institute of Astronomy, University of Cambridge

'Different sciences, different audiences', *Science on Display: Exploring and Exhibiting Science Artefacts*, Royal Society, London

#### June 2009

'Graeco-Roman meteorology and navigation', invited speaker, *Maritime Technology in the Ancient Economy: Ship-Design and Navigation*, interdisciplinary conference hosted by the American Academy in Rome and Università di Roma 'La Sapienza'

'Das Lebewesen und die Erde: Analogie oder Metapher in physikalischen Erklärungen der Antike?', invited speaker, AKAN (Arbeitskreises 'Antike Naturwissenschaft und ihre Rezeption') 20th Anniversary Meeting, Trier, Germany

#### July 2009

'Translating the *Phaenomena* across genre, language and cultures', invited speaker, interdisciplinary symposium on *Writings of Early Scholars in the Ancient Near East, Egypt and Greece: Zur Übersetzbarkeit von Wissenschaftssprachen des Altertums*, Institut für Ägyptologie und Altorientalistik, Johannes Gutenberg Universität, Mainz

#### August 2009

(with Josh Nall) 'Selling by the book: scientific trade literature', Scientific Instrument Commission, International Union of History and Philosophy of Science, Budapest

#### September 2009

'The living body and the Earth: analogy or metaphor in ancient physical explanations?', T.W. Adams Distinguished Alumni Lecture, University of Oklahoma

# Deborah Thom

## Publications

### Articles in journals

Thom, D. 'What happened to gender and history?', *Revue Francaise de Civilisation Britannique: L'Histoire Sociale en Mutation* 14:4 (2008)

## In Press

### Articles in books

Thom, D. (2009) 'Domestic life, parental punishment, psychological thinking and the permissive turn' in L. Delap, B. Griffin and A. Wills (eds) *The Politics of Domestic Authority*, Ashgate

## Lectures, Seminars and Conferences

November 2008

Panellist, 'Truant minds', *Bad Kids*, Bishopsgate Institute

# Laurence Totelin

## Publications

### Books

Totelin, L. (2009) *Hippocratic Recipes: Oral and Written Transmission of Pharmacological Knowledge in Fifth- and Fourth-Century Greece*, Brill

### Articles in books

Totelin, L. (2009) 'Hippocratic Corpus, Nosological works' in P.T. Keyser and G.L. Irby-Massie (eds) *The Encyclopedia of Ancient Natural Scientists: The Greek Tradition and its Many Heirs*, Routledge, 413–414.

### Reviews

Totelin, L. Review of P. Horden, *Hospitals and Healing from Antiquity to the Later Middle Ages*, in *Social History of Medicine* 22 (2009), 195–197.

## In Press

### Articles in books

Totelin L. (2009) 'Galen's use of multiple manuscript copies in his pharmacological treatises' in A. Doody and L. Taub (eds) *Authorial Voices in Greco-Roman Technical Writing*, Wissenschaftlicher Verlag

Totelin L. (2009) 'Birth and reproduction' in M. Gargarin (ed.) *Encyclopedia of Ancient Greece and Rome*, Oxford University Press

Totelin L. (2009) 'Gynecology' in M. Gargarin (ed.) *Encyclopedia of Ancient Greece and Rome*, Oxford University Press

### Articles in journals

Totelin L. 'Old recipes, new practice? The Latin adaptations of the Hippocratic gynaecological treatises', *Social History of Medicine* (2010)

### Reviews

Totelin L. Review of B. Wickkiser, *Asklepios, Medicine, and the Politics of Healing in Fifth-Century Greece: Between Craft and Cult*, in *Medical History* (2010)

Totelin L. Review of T. Rütten, *Geschichten vom Hippokratischen Eid* (CD-ROM), in *Medical History* (2009)

Totelin L. Review of S. Mattern, *Galen and the Rhetoric of Healing*, in *Isis* (2009)

## Lectures, Seminars and Conferences

January 2009

'Botanizing rulers and their herbal citizens: plants and political power in Greek and Roman literature', C Caucus Seminar, Faculty of Classics, University of Cambridge

March 2009

'From anonymity to pseudonymity: authority in the transmission of pharmacological recipes from Hippocrates to Galen', workshop on Ancient Greek and Roman Medical and Scientific Writing, University of Cambridge

April 2009

'Beans from Lemnos and garlic from Tenos: comic local specialities in Aristophanes', Classical Association Conference 2009, Glasgow

July 2009

'A remedy for a headache: translating and interpreting ancient Greek and Roman remedies', International Symposium: Writings of Early Scholars in the Ancient Near East, Egypt and Greece, Johannes Gutenberg Universität, Mainz

## John van Wyhe

*Darwin Online* was awarded the John Thackray Medal of the Society for the History of Natural History: 'From a strong field of nominated works, the Society's Prize Committee chaired by the Vice-President Geoff Moore, was unanimous in their selection of *The Complete Work of Charles Darwin Online* for the award of the Society's John Thackray Medal for 2008. The medal is awarded for a significant achievement in the history of those areas of interest to the Society in memory of John Thackray. ... [*Darwin Online* is] a monumental achievement: making freely available an exhaustive collection of primary sources and doing so in a way that is easy to use by both novices and experts. The largest collection of Darwin's writings ever published, *Darwin Online* is substantive and rich in content and makes archival material accessible to scholars worldwide. In addition, it is multimedia-based and clever with a minimal use of technology. Since it meets desired standards of accessibility, it will have a value to the public far beyond Darwin scholarship.'

### Publications

#### Books

van Wyhe, J. (ed.) (2009) *Charles Darwin's Shorter Publications, 1829–1883*, Cambridge University Press

van Wyhe, J. and Chancellor, G. (eds) (2009) *Charles Darwin's Notebooks from the Voyage of the Beagle*, Cambridge University Press

van Wyhe, J. (2009) *Darwin in Cambridge*, Christ's College, Cambridge

van Wyhe, J. (2008) *Darwin*, Andre Deutsch (and National Geographic, USA, 2009)

#### Articles in journals

van Wyhe, J. 'Charles Darwin 1809–2009', *International Journal of Biochemistry and Cell Biology* 41 (2008), 251–253

van Wyhe, J. 'Darwin vs God', *BBC History Magazine* 10:1 (2009), 26–31

#### Reviews

van Wyhe, J. Review of J. Taylor, *The Voyage of the Beagle*, in *BBC History Magazine* 10:3 (2009), 70

### In Press

#### Articles in books

van Wyhe, J. (2010) Contribution in J.F. Derry (ed.) *Darwin in Scotland: Edinburgh, Evolution and Enlightenment*, Whittles Publishing

van Wyhe, J. 'Introduction' in *Darwin's Journal of Researches, 1890 edn*, Ushuaia: Zagier

van Wyhe, J. 'Darwin: his life and legacy' in *Desde la memoria: Historia, medicina y ciencia*, Madrid

#### Articles in journals

van Wyhe, J. 'Darwin Online and Darwin historiography', *History of Science*

van Wyhe, J. 'Commemorating Darwin', *The Evolutionary Review*

#### Reviews

van Wyhe, J. Review of five recent books on Darwin, in *BBC History Magazine*

### Lectures, Seminars and Conferences

September 2008

'What Darwin really said about humans', British Council, Cafe Scientifique, Athens-Sofia

Public lecture, Shrewsbury School, Shrewsbury

February 2009

Public lecture, National History Museum of Denmark, Copenhagen, Denmark



Public lecture, Winchester Discovery Centre  
Public lecture, University of St Andrews  
Public lecture, Natural History Museum, Milan, Italy

#### *March 2009*

Public lecture, Boston University, Massachusetts, USA  
Research Symposium 2009, Clare College, Cambridge

#### *April 2009*

Public lecture, Mid-Maine Global Forum, Waterville, Maine, USA  
Public lecture, Colby College, Waterville, Maine, USA  
'Evolution in Britain and the US', Colby College, Maine, USA  
Public lecture, Public Library of Cincinnati and Hamilton County, Cincinnati, USA  
'Evolution in Britain and the US', University of Cincinnati, USA  
Public lecture, University of Cincinnati, Ohio, USA  
Public lecture, The Huntington Library, Los Angeles, California, USA  
Public lecture, Natural History Museum, Oklahoma University, USA  
Presidential Dreamcourse lecture, Oklahoma University, USA  
Public lecture, University of Wisconsin-Parkside, Wisconsin, USA  
Public lecture, Rocky Mountain Dinosaur Resource Center, Colorado, USA  
Lunchtime lecture, American Association of Physical Anthropologists, Chicago, USA  
Public lecture, Case Western Reserve University Cleveland, Ohio, USA

#### *May 2009*

Public lecture, University of Birmingham  
'What was Darwin doing in London?', Hunterian Museum at the Royal College of Surgeons & Grant Museum of Zoology, London  
'Why aren't the social sciences Darwinian?', Leverhulme Centre for Human Evolutionary Studies, University of Cambridge  
'Charles Darwin', Cambridge University Atheist and Agnostic Society, Cambridge Union

#### *June 2009*

'Darwin and the tree of life', Willi Hennig Society Meeting, Singapore Botanic Gardens, Singapore  
Public lecture, National University of Singapore  
'Darwin in Cambridge', Girton College, Cambridge

#### *July 2009*

Public lecture, Bath Royal Literary and Scientific Institution  
Public lecture, University of Northampton  
'In Darwin's pocket: the *Beagle* field notebooks', *Darwin in the Field*, Sedgwick Museum, University of Cambridge  
'Darwin's *Beagle* notebooks', British Society for the History of Science Annual Conference, University of Leicester

## Paul White

### **Publications**

#### ***Books***

White, P. et al. (eds) (2009) *The Correspondence of Charles Darwin*, vol. 17, Cambridge University Press

#### ***Articles in books***

White, P. (2009) 'Troubled spirits of another world' in A. Pearn (ed.) *A Voyage Round the World: Charles Darwin and the Beagle Collections in the University of Cambridge*, Cambridge University Press, 55–57

### **In Press**

#### ***Articles in journals***

White, P. 'The emotional economy of science', *Isis* (December 2009)  
White, P. 'Darwin's emotions', *Isis* (December 2009)

## Lectures, Seminars and Conferences

*October 2008*

'The evolution of wonder', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

*November 2008*

'Wonder and the emotion of objectivity', Department of History, Queen Mary, University of London

*January 2009*

'The emotion of objectivity', Department of History, University of Sussex

*February 2009*

'Darwin's emotions', University of Oklahoma

'Owen, Huxley, and the Victorian man of science', University of Oklahoma

'The character of correspondence', Christ's College, Cambridge

*March 2009*

'The physiology of emotion', School of English, University of New South Wales

'Huxley: a scientific romance', Australia National Maritime Museum

*May 2009*

'When sympathy becomes sentimental', CRASSH, University of Cambridge

*July 2009*

'Darwin and literature', Cambridge Darwin Festival

'Darwin's disciples: narratives of evolution and conversion', St Anne's College, Oxford

## David J. Williams

Professor Williams was a Visiting Scholar in HPS from January to June 2009. He was also a Visiting Fellow in Clare Hall during this time. His research centred on studying the nine copies of Andreas Vesalius' *De humani corporis fabrica* (Basel 1543, 1555) that are at various locations at the University of Cambridge. Professor Williams was especially interested in determining the provenances of the various copies. He intends to return to Cambridge in May 2010 to continue his research.

## Lectures, Seminars and Conferences

*April 2009*

'Vesalius at Cambridge', 60th Anniversary Conference of the Medical Artists' Association of Great Britain, Madingley Hall, University of Cambridge

## Frances Willmoth

The main academic event of this past year, for me, was the conference 'Drowned and Drained: Exploring Fenland Records and Landscape', which I instigated and was closely involved in organising. It took place at Wolfson College on 7 March 2009 under the joint auspices of the University of Cambridge Institute of Continuing Education (through the good offices of Dr Sue Oosthuizen, co-organiser) and the Cabinet of Natural History, HPS, and attracted over a hundred participants.

## In Press

### **Books**

Oosthuizen, S. and F. Willmoth (eds) *Drowned and Drained: Exploring Fenland Records and Landscape*, a publication (published by ICE) arising from the conference described above; includes F. Willmoth, 'Fens maps and Moore's Mapp'

### **Articles in journals**

Willmoth, F. "'Reconstruction" and interpreting written instructions: what making a seventeenth-century plane table revealed about the independence of readers', in a forthcoming volume of *Studies in History and Philosophy of Science*, ed. by Dr Liba Taub

### **Reviews**

Willmoth, F. Review of R.C. Wheeler (ed.) *Maps of the Witham Fens from the Thirteenth to the Nineteenth Century*, in *Landscape History*

## **Lectures, Seminars and Conferences**

*March 2009*

'Fens maps and Moore's Mapp', a paper given at the conference described above

# Seminar Programmes

## Michaelmas Term 2008

### 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 Lauren Kassell.

23 October **Charles Travis (King's College London)**  
The shape of the conceptual

Where, and how, does thought engage the world? More specifically, we, being the sorts of thinkers that we are, see possibilities for judgments of certain specific shapes. The world provides certain things to judge about. Why think (or how to see) that the opportunities we (seem to) see are actually provided? Kant thought this *was* a problem to which there was just one possible solution: 'transcendental idealism'. Frege (as extended by Tractarian Wittgenstein) thought this was not a problem, thus provided, in effect, a dissolution. But, while Kant's conception of the problem lapses into incoherence, Frege's dissolution will not do (as the *Tractatus* inadvertently shows). Putnam was the first to see (clearly) how to answer the question (in seeing what the shape of the conceptual should in fact be taken to be). In this essay, I try to say what Putnam's response to the question is.

30 October **Guido Giglioni (Warburg Institute)**  
Early-modern investigations on the nature of tarantism from Tommaso Campanella to Antonio Vallisneri

Early-modern natural philosophers, physicians and churchmen described tarantism as an epidemic disease characteristic of the Italian region Apulia and they attributed the phenomenon to the bite of the tarantula spider. Tarantism was characterised by an irrepressible impulse to dance and was supposed to be cured by music. This paper focuses on the different explanations of tarantism given by Tommaso Campanella (1568–1639), Athanasius Kircher (1601–1680) and Antonio Vallisneri (1680–1730). For Campanella tarantism was further evidence that nature as a whole, both animate and inanimate, was governed by perception and that symbolic relationships of likeness and resemblance could be causally effective. Kircher relied more on the physical and material aspects involved in both the etiology and therapy of tarantism (vibrations of air caused by sounds, motion of bodily humours, wrinkling of material spirits, sense perception of colours) and his diagnosis was driven by a peculiar tendency to debunk unfounded beliefs. Vallisneri, finally, interpreted tarantism as a simple case of animal poisoning and attributed the 'uncivil violence' and 'indecent and terrible acts' of the affected people to their low social status. The choice of these authors provides a nuanced and diversified sample of early-modern explanatory frameworks for a particularly anomalous and recalcitrant phenomenon and to present a comparative analysis of conflicting notions of superstition discussed at the time.

13 November **Roger Smith (Lancaster University / Durham University)**  
Where does a claim for the necessity of historical knowledge lead in the human sciences?

This paper will take up some of the arguments of *Being Human: Historical Knowledge and the Creation of Human Nature* (Manchester University Press, 2007). I wish to argue that historical knowledge in any science with 'the human' as its subject is necessary – not simply interesting, useful or decorative. There are two principal themes; for both there is a large literature, but perhaps historians of science have not appreciated their implications. First, human self-knowledge is 'reflexive', that is, changing knowledge changes the manner in which we are human, and this implies that the subject matter of the human sciences has an inescapably historical nature. Second, there are different kinds of knowledge for different purposes, and for certain purposes historical knowledge is necessary, and (say) biological knowledge cannot be substituted for it. Developing these themes, I conclude that 'the history of the human sciences' is an irreducible dimension of science. Whether the arguments I make also apply to the history of the natural sciences is a somewhat separate, and complex, question, but it is one which greatly affects how we write about the natural science approach to 'the human'.

Suggested reading:

Roger Smith, *Being Human: Historical Knowledge and the Creation of Human Nature* (Manchester University Press, 2007), esp. ch. 2 and pp. 114–21. For an elaboration of the latter set of pages, which is particularly relevant to an HPS audience, see 'Does Reflexivity Separate the Human Sciences from the Natural Sciences?', in special issue on reflexivity, ed. Roger Smith, *History of the Human Sciences*, 18(4) (2005): 1–25.

20 November **Hasok Chang (University College London)**  
Phlogiston revisited: an argument for scientific pluralism

Through a re-examination of the Chemical Revolution, I advance an argument for pluralism in and about science. My assessment of the Chemical Revolution, made on the basis of a comprehensive list of epistemic values, returns the verdict that there was no compelling rational reason for 18th-century chemists to discard the phlogiston theory. I then examine the benefits that could have (or could still) come from retaining or reviving phlogiston. Finally I sketch some general arguments for scientific pluralism, drawing a comparison and contrast with relativism.

27 November **Adam Toon (HPS, Cambridge)**  
Imagined experiments: molecular modelling and make-believe

Recent philosophy of science has seen a growing interest in scientific models and, in particular, in the question of how models represent the world. And yet three-dimensional physical models, like wax anatomical models or Crick and Watson's famous model of DNA, have been largely ignored by philosophers of science, despite recent historical studies demonstrating the importance of physical models in many sciences.

In this talk, I will offer an analysis of physical models based on Kendall Walton's 'make-believe' theory of art. To do so, I will also draw on an empirical study of the use of a well-known type of physical model: the 'ball-and-stick' molecular models familiar to many from school science classes. According to Walton, works of art function as props in games of make-believe, like children's dolls or toy trucks. I will analyse physical models in the same way. Just as a child imagines a plastic doll to be a baby so, I shall argue, scientists imagine the balls and sticks of a molecular model to be atoms and bonds.

Children participate in their games of make-believe: a child playing with a doll not only imagines it to be a baby; she also imagines looking at a baby, picking the baby up and feeding it. Similarly, I will argue, scientists participate in the games they play with molecular models, imagining themselves looking at molecules, twisting them around and pulling them apart. By manipulating molecular models, I suggest, scientists perform imagined experiments on molecules.

4 December *Fourth Cambridge Wellcome Lecture in the History of Medicine*  
**Rayna Rapp (New York University)**  
Making the invisible visible: the hidden history of families, schools, civil rights, media and science in the production of learning disabilities

Two generations ago, there were virtually no 'LD children' in the United States. Yet by 2008, they had become 15% of the national student population. A series of remarkable institutional, legal, scientific and cultural changes have coalesced over this period, creating a sea-change in the American imaginary. Yet these large-scale transformations often began in domestic experiences of anger and desperation: the work of families with atypical children was central to these developments. This presentation highlights the unanticipated activism on the part of parents which helped to shape new understandings of human variability and the hierarchies in which social differences are embedded.

#### **Discussion led by Rayna Rapp**

Thursday 4 December at 11.30am in Seminar Room 1 – all welcome

Reverberations: gender, generation and social reproduction in the life course of families with children with disabilities

When parents fight for school-based services; or decide to produce a film intended to make the social world a more accepting place for their child, such experiences transform not only the lives of affected youngsters, but the life course of the family, as well. In our research on innovation in special education, we have been struck by the density of such stories: often, a child's differential development leads a parent toward new understandings, and from there, toward frank activism and innovative choices in work and in community life. Not all stories are, of course, positive ones: divorce and family divisions also stalk families with children with disabilities. This presentation examines the relations of gender and generation that are stretched and sometimes transformed by 'a difference in the family'. Our fieldwork brings us back to the most basic 'invention' of anthropology, the study of kinship. We argue that the changed shape of a life cycle for a child with a disability and his/her intimate others has reverberation on the 'public intimacy' of kinship and a transformation of the social world, as well.

# Research Topics and Resources Seminars

Seminars on research topics and resources in history and philosophy of the sciences and medicine, for all new graduate students, are held in the first two weeks of term, on Thursdays at 4pm in Seminar Room 2. Tea is available from 3.45pm in Seminar Room 1. All welcome.

Each seminar will consist of short informal talks presenting research methodologies and areas. The Research Guide is on the HPS website at [www.hps.cam.ac.uk/research](http://www.hps.cam.ac.uk/research). Organised by Nick Jardine and Eleanor Robson.

- 9 October     **Nick Jardine:** Introduction to research resources in HPS; **Ayesha Nathoo:** Modern medicine and media research; **Angela Breitenbach:** Environmental ethics; **Josh Nall and Margaret Olszewski:** Researching in the Whipple Museum; **Alex Broadbent:** Philosophy of science
- 16 October    **Eleanor Robson:** History and translation; **Patricia Fara:** Scientific images; **Leon Rocha:** Free software; **Sacha Golob:** Reading continental philosophy; **John Forrester:** Crucial trivia

## History of Medicine

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

### Early Medicine and Natural Philosophy

Organised by Lauren Kassell and Laurence Totelin.

- 14 October    **Samuel Cohn (University of Glasgow)**  
Towards a public health consciousness in medical science: plague in sixteenth-century Italy
- 4 November   **Patty Baker (University of Kent)**  
Perceptions of health in Roman Spain: preliminary research on the archaeological material from the Province
- 25 November  **Evelyn Welch (Queen Mary, University of London)**  
Space and spectacle in the Renaissance apothecary

### History of Modern Medicine and Biology

Organised by Vanessa Heggie and Nick Hopwood.

- 21 October    **Elizabeth Toon (University of Manchester)**  
The machinery of authoritarian care: representing and experiencing breast cancer treatment in 1970s Britain
- 11 November  **Rosemary Elliot (University of Glasgow)**  
'Der neue Trend – no smoking please!': creating the non-smoker in West Germany, 1945–1975
- 2 December   **Katja Guenther (Harvard University)**  
Segments and proportions: body mapping in early twentieth-century neuroscience

## From Generation to Reproduction

This seminar, which is funded by our Wellcome enhancement award in the history of medicine, is a forum for discussion of how, since 1500, our world of reproductive practices and controversy was created.

Seminars are on Tuesdays from 5.00 to 6.30pm in Seminar Room 1. Tea is available from 4.40pm. All welcome! Organised by Nick Hopwood and Lauren Kassell.

- 28 October    **Suzanne Anker (School of Visual Arts, New York)**  
Picture perfect: from golden rules to golden boys
- 18 November  **Anne Løkke (University of Copenhagen)**  
Midwifery practices and the fate of mothers and infants in late eighteenth-century Denmark

# Cabinet of Natural History

Seminars are held on Mondays at 1pm in Seminar Room 1. You are welcome to bring your lunch with you. Organised by Sophia Davis.

- 13 October **Paul White (HPS, Cambridge)**  
The evolution of wonder
- 20 October **Sophia Davis (HPS, Cambridge)**  
Orford Ness: landscape of war and science
- Tue 21 October Orford Ness trip
- 27 October Fungus Hunt
- 3 November **Alexander Etkind (Department of Slavonic Studies, Cambridge)**  
The early Soviet project of hybridising humans and apes
- 10 November **Trish Stewart (University of St Andrews)**  
New manuscript evidence for medieval Latin bestiary ownership and use
- 17 November **Andrew Cunningham (HPS, Cambridge)**  
Why do we want Aristotle to have been a biologist (given that he wasn't)?
- 24 November **Sarah Easterby-Smith (University of Warwick)**  
A botanical tour in Paris: botany, amateurship and communities of knowledge
- 1 December **Debby Banham (HPS, Cambridge)**  
Food, fair weather and fields: fundamental change in Anglo-Saxon England

# Psy Studies

## History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

Seminars are held on Wednesdays at 5pm in Seminar Room 2. Tea is available from 4.40pm. All welcome. Organised by John Forrester and Deborah Thom.

- 22 October **Sudhir Kakar (INSEAD, Fontainebleau & Goa)**  
Psychoanalysis, psyche and spirit in the modern world
- 12 November **Aude Fauvel (HPS & Fondation Singer-Polignac)**  
How the insane crossed the Channel: a forgotten aspect of the Franco-British shared psychiatric history

# HPS History Workshop

The HPS History Workshop is a seminar group devoted to peer discussion of work in progress in all areas of the history of science, medicine and technology. All HPS postgraduate students with an interest in history are welcome to present draft MPhil essays, PhD chapters, conference papers, etc. The workshop encourages friendly and constructive feedback while providing a fortnightly point of contact for postgraduate historians at HPS.

We meet on alternate Wednesdays at 1pm in Seminar Room 1. If you are interested in giving a paper or need more information, please contact Iris Montero.

- 15 October **Melanie Keene (HPS, Cambridge)**  
Puns and pea-shooters: play, words, and plays on words in John Ayrton Paris's *Philosophy in Sport Made Science in Earnest* (1827)
- 29 October **Alexander Wragge-Morley (HPS, Cambridge)**  
'Restitution' in seventeenth-century architecture and natural philosophy
- 12 November **Jiri Hudecek (HPS, Cambridge)**  
Wu Wen-Tsun: a modern Chinese mathematician and the Chinese mathematical tradition
- 26 November **Jennifer Rampling (HPS, Cambridge)**  
Hunting the phoenix: an alchemical detective story

# Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research.

Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

- 22 October **Billy Wheeler (HPS, Cambridge)**  
Groundwork for a Humean theory of ideal laws
- 5 November **Joanna Burch Brown (HPS, Cambridge)**  
Objective consequentialism, criteria of rightness and ignorance
- 19 November **Sam Nicholson (HPS, Cambridge)**  
Is the pessimistic induction valid?
- 3 December **Alix Rogers (HPS, Cambridge)**  
Status of human tissues

# Metaphysics Reading Group

The group meets on Mondays 1.00–2.30pm in the HPS Lodge. This term we will be reading from *The Philosophy of Philosophy* by Timothy Williamson. Meetings are open to all, and usually start with a brief, informal introduction to the week's reading from a group member. All welcome. Organised by Alex Broadbent.

- 13 October Introduction, and The Linguistic Turn and the Conceptual Turn
- 20 October Taking Philosophical Questions at Face Value
- 27 October Metaphysical Conceptions of Analyticity
- 3 November Epistemological Conceptions of Analyticity
- 10 November Knowledge of Metaphysical Modality
- 17 November Thought Experiments
- 24 November Evidence in Philosophy
- 1 December Knowledge Maximization

# Science and Literature Reading Group

We meet on Mondays from 7.30 to 9pm in the upstairs seminar room of Darwin College. All are welcome! Organised by Daniel Friesner (Science Museum) and Melanie Keene (HPS). For further information, visit our weblog: <http://sci-lit-reading-group.blogspot.com>

This term we will be reading about the science of education. Copies of all the readings will be placed in our box file in the Whipple Library.

- 20 October Jean-Jacques Rousseau, *Émile, ou De l'éducation* (1762), Book 2, especially the discussion of children's reasoning, which is pp. 89–126 in the Penguin edition translated by Allan Bloom; pp. 63–107 in the Everyman edition translated by Barbara Foxley; and paragraphs 254–412 in the Grace Roosevelt translation, available online.
- 3 November Maria Edgeworth, *The Good French Governess* (1801).
- 17 November Otto Ernst, *Flachsmann als Erzieher* (1900). Translated by H M Beatty as *Master Flachsmann* (1904).
- 1 December Chas. Hope Semir, *Driven to suicide! or, the life of an assistant master in a London board school* (1889). There is a copy of this pamphlet in the Cambridge University Library, classmark 1890.7.610, order in Rare Books Room.



# History and Theory Reading Group

The group will discuss articles (their own, and those of others) relating to problems of historical research, interpretation, explanation and narration. Articles will be placed well in advance in a History and Theory box in the Whipple. Suggested additional readings are listed at [www.hps.cam.ac.uk/seminars/theory.html](http://www.hps.cam.ac.uk/seminars/theory.html)

We meet on Fridays, 2.30pm to 4pm in the HPS Lodge. Organised by Signe Nipper Nielsen and Nick Whitfield.

- 17 October **Bonnie Evans:** Foucault revisited: history and the human sciences  
Foucault, Michel: *History of Madness* (Routledge, London, 2006) Part 3, Section 2: 'The New Division' pp.381–418  
Foucault, Michel: *The Order of Things: An Archaeology of the Human Sciences* (Tavistock 1974)  
'Foreword to the English edition' pp.ix–xiv and 'Chapter 8: Labour, Life and Language' pp.250–302
- 31 October **Ludmilla Jordanova:** History with images  
Jordanova, Ludmilla: 'Image Matters', in *The Historical Journal*, 51:3, 2008, pp.793–809  
Ann B. Shteir and Bernard Lightman: 'Introduction' in Ann B. Shteir and Bernard Lightman (eds.):  
*Figuring it Out. Science, Gender and Visual Culture*. Lebanon, N.H.: Dartmouth College Press, 2006,  
pp. xv–xxx.
- 14 November **Isabel N. DiVanna:** The birth of sciences of languages in the 19th century  
Koerner, Konrad: 'The natural science impact on theory formation in 19th and 20th century linguistics'  
in *Professing Linguistic Historiography*. Amsterdam: John Benjamins, 1995, 47–76.  
Koerner, Konrad: 'Positivism in 19th century linguistics' in *Practising Linguistic Historiography*.  
*Selected essays*. Amsterdam: John Benjamins, 1989, 191–209.
- 28 November **Sadiya Qureshi:** Race in history  
Fields, Barbara J.: 'Ideology and Race in American History', in J. Morgan Kousser and James M.  
McPherson ed.: *Region, Race and Reconstruction: Essays in Honour of C. Vann Woodward*. (Oxford:  
Oxford University Press, 1982), pp.143–77.  
Kidd, Colin: Introduction to *The Forging of Races: Race and Scripture in the Protestant Atlantic World, 1600–2000*. (Cambridge 2006).

# Scientific Images Discussion Group

The seminar aims to discuss the relationship between history and philosophy of science and the visual image. Almost all of us come across scientific images in our research; there is, however, no clear consensus of how best to incorporate visualisation into fields of studies. If we do not want to consider scientific images merely as illustrations of a text, how can we use appropriate methods and concepts in order to get results beyond the pure text? The group aims to face these challenges and deal with the methods, treatment and interpretation of scientific images that will include images as a constitutional part of knowledge and evidence as well as images of the fine arts reflecting science.

This term Nick Hopwood will join the group to discuss his drafts of selected chapters of *Pictures of Evolution and Charges of Fraud* dealing with the controversial pictures of embryos by the German zoologist Ernst Haeckel.

Meetings will take place fortnightly on Wednesdays, 11am–1pm, in Seminar Room 1. All welcome. Each presenter will choose a text to be prepared by the group. You will find these texts a week in advance in the group's box in the Whipple Library. For more information contact Mirjam Brusius.

- 15 October 1. **Martin Rudwick:** The visual language of geology, 1760–1840  
2. **Alexander Wragge-Morley:** Isaac Newton's architectural drawings of the Temple of Solomon
- 29 October Discussion of *Pictures of Evolution and Charges of Fraud* (by Nick Hopwood; with a short introduction by the author)
- 12 November 1. Discussion of *Pictures of Evolution and Charges of Fraud* (by Nick Hopwood)  
2. **Geoff Belknap:** Methodology and the visual image
- 26 November 1. Discussion of *Pictures of Evolution and Charges of Fraud* (by Nick Hopwood)  
2. **Boris Jardine:** Documentary sociology: Mass-Observation as aesthetic science

# Kant Reading Group

This term the Kant Reading Group will be looking at Kant's *Critique of Judgment*, in particular his treatment of teleological explanation. The group meets from 1pm to 2.30pm every Tuesday in the HPS Lodge. For more information please contact Sacha Golob. All welcome!

Methodology of the Teleological Power of Judgment (in *Critique of Judgment*, pp. V 416 ff.)

14 October §§ 79-81 (V 416–424)  
21 October §§ 82-84 (V 425–436)  
28 October §§ 85-86 (V 436–447)  
4 November §§ 87-88 (V 447–459)  
11 November §§ 89-90 (V 459–466)  
18 November § 91 up to 'General Remark' (V 467–474)  
25 November 'General Remark on the Teleology' (V 475–484)  
2 December Wrap up etc

## Astronomical Images

These meetings are part of the AHRC project 'Diagrams, Figures and the Transformation of Astronomy, 1450–1650', which analyzes the production, function and terminology of early modern astronomical imagery. Our meetings take the form of discussing papers or presentation by scholars (migrating once a month to Latin Therapy for a close reading of primary texts).

All members associated with HPS are welcome; please feel free to bring lunch. Reading material will be available in a box ('Astronomical Images') in the library. Organised by Katie Taylor.

Thursday 16 October, 12.30–2.30

**Nick Jardine:** discussion of C. Lüthy, 'Where logical necessity becomes visual persuasion', and I. Pantin, 'Kepler's *Epitome*: New images for an innovative book', both in *Transmitting Knowledge: Words, Images, and Instruments in Early Modern Europe*, edited by S. Kusukawa and I. Maclean, Oxford: Oxford University Press, 2006.

Thursday 23 October, 12.30–2.30

**Katie Taylor:** 'Differing diagrams: the uses of and audiences for images in the work of Thomas Digges and others'. She will compare and contrast the diagrams of Leonard and Thomas Digges (father and son) and their contemporaries.

Friday 31 October, 4.00–5.30: Joint meeting with Latin Therapy

Friday 28 November, 4.00–5.30: Joint meeting with Latin Therapy

Thursday 4 December, 12.30–2.30

**Sachiko Kusukawa:** discussion on J.D. North, 'Diagram and thought in medieval science', in *Villard's Legacy: Studies in Medieval Technology, Science and Art in Memory of Jean Gimpel*, edited by M-T. Zenner, 265–88, Aldershot, 2004; and Michael H. Shank, 'Mechanical thinking in European astronomy (13th–15th centuries)', in *Mechanics and Cosmology in the Medieval and Early Modern Period*, edited by Massimo Bucciantini, Michele Camerota and Sophie Roux, 3–27, Florence: L. S. Olschki, 2007.

# Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century topics in the history and philosophy of science. Sessions alternate between readings and talks, and each term has a different theme. Copies of all texts can be found in the TCTT box in the Whipple Library. Meetings are every other Tuesday at 1pm in Seminar Room 1. Everyone is welcome, and feel free to bring lunch! For more information visit <http://20thinktank.googlepages.com/>

## Science on the Left and Right

- 14 October
1. D. Kaiser, 'The Atomic Secret in Red Hands? American Suspicions of Theoretical Physicists During the Early Cold War', *Representations*, 90 (Spring 2005), 28–60
  2. S. Gerovitch, "'Mathematical Machines" of the Cold War: Soviet Computing, American Cybernetics and Ideological Disputes in the Early 1950s', *Social Studies of Science*, volume 31, number 2, *Science in the Cold War* (April 2001), 253–287
- 28 October
- Talk: **Josh Nall (Whipple Museum, University of Cambridge)**,  
'Uses of history in the pamphlets of the Society for Freedom in Science'
1. W. McGucken, 'On freedom and planning in science: The Society for Freedom in Science, 1940–46', *Minerva*, volume 16, number 1 (March 1978), pp. 42–74
  2. G. Werskey, *The Visible College* (London, 1988), chapter 6, 'Theory', pp. 176–211
- 11 November
1. N. Cartwright et al, *Otto Neurath: Philosophy between Science and Politics* (Cambridge, 1996), chapter 1.4, 'In Red Vienna', pp. 56–81
  2. M. Friedman, *A Parting of the Ways* (Chicago, 2000), chapter 2, 'Overcoming Metaphysics: Carnap and Heidegger', pp. 11–24
- 25 November
- Talk: **Pedro Ruiz Castell (Universitat Autònoma de Barcelona)**,  
'Instruments of dictatorship: science and politics in Franco's Spain'
1. Maria Jesus Santesmases, 'Severo Ochoa and the Biomedical Sciences in Spain under Franco, 1959–1975', *Isis*, 91 (2000), 706–734

## Latin Therapy

The Latin Therapy Group meets on Fridays at 4pm in the HPS Lodge (first meeting 17 October) to practise the art of translation, improve our Latin grammar, and determine who deserves more sympathy on account of the difficulty of their sources – all in a mutually supportive environment!

Each week we study a classical, medieval or early modern text related to the history of science, medicine and technology, selected by members of the group – perhaps as research for an essay or paper, or simply to revive rusty language skills. We warm up with a short introductory piece before moving onto the main text, aiming to produce a working translation each week. Latin texts are circulated in advance, and further support is provided by our language tutor, Debby Banham. All are welcome.

This year, Latin Therapy also joins forces with the AHRC-funded project 'Diagrams, Figures and the Transformation of Astronomy, 1450-1650' to investigate some early modern astronomical texts and images. These joint sessions will take place on 31 October and 28 November at the usual time.

More information can be found at our website: [www.hps.cam.ac.uk/latintherapy](http://www.hps.cam.ac.uk/latintherapy). To be added to the mailing list, or to suggest a text, please contact Jenny Rampling.

## Greek Therapy

We are a small informal group seeking to improve our Ancient Greek with the help of our tutor, Liz Smith. At present we are reading Porphyry's *Life of Pythagoras* and we hope to move on to some easy Plato in the course of the year.

Meetings are provisionally scheduled for 5.30pm on Tuesdays in full term (but this is flexible). All are welcome. For further information please contact Lydia Wilson.

# Lent Term 2009

## 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 Lauren Kassell.

15 January **Hélène Mialet (Harvard University)**  
Thinking ‘through numbers’

Science studies has shown that scientific knowledge is above all about practice. In my paper, I will question the possibility of doing theoretical physics without being able to manipulate equations or draw diagrams. Can one see ‘through numbers’? And/or can numbers be replaced by words? Is intuition an individual or a collective process? Can we eliminate the persistent phantom of cognitive explanations, and, if not, has anthropology of science failed? Or can we talk about cognitive processes differently? If we think that the term practice embraces all activities and that the dichotomy between theory and practice is only a theoretical one, what do theoreticians ‘do’ that is different from what experimentalists or accountants do? What kinds of objects are produced? And how do we/they produce ‘abstraction’?

22 January **Mario Biagioli (Harvard University)**  
Between law and astronomy: Kepler, Galileo and the uses of witnessing

Through an analysis of the radically different uses of witnessing in Kepler’s and Galileo’s texts and letters concerning the telescopic discoveries of 1609–10, I revisit the discussion about the place of testimony in early modern natural philosophy, and its relations to different legal traditions.

29 January **John Abraham (University of Sussex)**  
History and philosophy of regulatory science: the case of pharmaceuticals

This paper traces some of the key historical developments in the modern regulatory science of pharmaceuticals, including toxicology, clinical testing, and pharmacovigilance. Attention focuses on what can be learned about regulatory science by examining both international differences in its conduct and the subsequent efforts at international harmonisation. Regulatory science is heavily influenced by social and political factors, but contrary to fashionable constructivist philosophy/sociology of science, this does not imply that regulatory science is simply politics by another name. By looking substantively at the history of regulatory science, one can see that there are intra-scientific material aspects that are relatively autonomous and/or independent of pervasive, powerful and undeniably influential extra-scientific socio-political forces. Empirical history of regulatory science is consistent with a realist, rather than a relativist or constructivist philosophy of science.

5 February **Markus Asper (New York University)**  
Narratives in Greek mathematics?

At first glance, both ancient Greek and modern mathematics appear to be narrative-free. Nonetheless, there has been recent debate about the relative merits of looking for narratives in modern mathematics (see Senechal 2006). Two aspects of this discussion lend themselves to my project:

(1) How do narratives about Greek mathematics relate to mathematical practices? One finds such narratives in introductory letters, anecdotes, and ancient commentaries. Research on modern mathematics suggests that such stories do contribute in certain ways to the practices that they are about (Traweek 1999, Corfield forthcoming). They situate the core texts within their social, dogmatic, historical, ideological, etc., contexts.

(2) Aesthetics of narrative and aesthetics of proof: second, a closer look at the mathematical texts themselves reveals that they follow principles of structure and aesthetics that one also finds in literary narratives (suspense, surprise, sequential organization, closure; see Doxiadis 2005). Notions of ‘beauty’ and ‘elegance’ come up. Especially rewarding will be a closer look at how Greek mathematical aesthetics relates to literary aesthetics of the time (compare Netz forthcoming). Perhaps one could understand (mathematical) proofs and solutions of problems as specialized stories.

### Works cited

Corfield, M. forthcoming. ‘Narrative and the Rationality of Mathematical Practice.’ In: B. Mazur and A. Doxiadis, eds. *Mathematics and Narrative*. Athens. Forthcoming in 2008.

Doxiadis, A. 2005. ‘The Mathematical Logic of Narrative.’ In: Miranesi, M. ed. *Mathematics and Culture in Europe. Mathematics in Art, Technology, Cinema and Theatre*. Milano, 167–177.

Netz, R. forthcoming. ‘Greek Mathematics and the Hellenistic Aesthetics.’ in M.A. Harder, G. Regtuit, and E. Wakker, eds. *Science and Nature in Hellenistic Poetry*. Leiden. Forthcoming in 2008.

Senechal, M. 2006. 'Mathematics and Narrative at Mykonos.' *Mathematical Intelligencer* 28.2: 24–33.  
Traweek, Sh. 1999. 'Pilgrim's Progress. Male Tales Told During a Life in Physics.' In: Biagioli, M. ed. *The Science Studies Reader*. New York, 525–542.

12 February *Jointly hosted with CRASSH, and held in their seminar room at 17 Mill Lane*  
**Louis Sass (Rutgers University, New Jersey)**  
'A falling star' – the sovereign self in Otto Weininger

'Individuality is the fall of man, and its symbol is the falling star.' (Weininger, OLT 149)

My paper offers a case study of a one-dimensional view of the self, one that attempts to postulate the ideal of an autonomous, even sovereign, reflective self or ego that would separate itself from both the body and the social world. The theorist in question is Otto Weininger, a once-famous figure from fin-de-siècle Vienna whose notorious book, *Sex and Character*, appeared in 1903. Weininger influenced many luminaries of early 20th century culture, all of whom viewed him as having the qualities of genius – these include August Strindberg, D.W. Lawrence, Oswald Spengler, Hermann Broch, and Ludwig Wittgenstein.

My focus will be on the most abstract and foundational level of Weininger's theorizing, which is his post-Kantian or hyper-Kantian conception of the essential nature of human consciousness and the transcendental ego. I shall discuss Weininger's affinities with as well as divergences from the thought of Kant, Fichte, and the German idealist tradition in general. My focus will be on the inherent contradictions, both logical and existential, which Weininger's extreme, one-dimensional view seems to have entailed, and which may have contributed to his suicide at age 23. Weininger's work and life can be seen as a fable of the impossibility, and ultimate unlivability, of a mode of being that would reject the embedded and embodied nature of human selfhood.

19 February **Leon Antonio Rocha (HPS, Cambridge)**  
*Scientia sexualis* versus *ars erotica*: Foucault, van Gulik, Needham, Orientalism

My paper begins with a discussion on the *scientia sexualis* – *ars erotica* distinction, which Foucault first advances in *History of Sexuality Vol. 1: The Will to Knowledge*. The distinction has been repeatedly employed by scholars from a range of disciplines: to study D.H. Lawrence, or the history of Japanese homosexuality, or to talk about the *Kama Sutra* and *Perfumed Garden*, and indeed in analysis of Chinese sexual alchemy. Though Foucault subsequently expresses his doubts regarding his conceptualisation of the 'essential differences' between Western and Eastern discourses of desire, he never entirely disowns it. In fact, Foucault remains convinced that ancient China must have an *ars erotica*. So I will explore the making of *History of Sexuality* and Foucault's sources of information. To that end, I introduce the work of Dutch diplomat and sinologist, Robert van Gulik, who published the tremendously influential *Sexual Life in Ancient China* in 1961, and also discuss Joseph Needham's work on Daoist sexual alchemy. I argue that, Foucault, in his fierce polemic against the 'Repressive Hypothesis', himself imagined a utopian Other where pleasure and desire would be organised differently. This is another manifestation of the quiet 'Oriental subtext' in the work of the later Foucault. Nevertheless I suggest that the *scientia sexualis* – *ars erotica* distinction is still analytically useful if carefully reconfigured: for studying the transmission of knowledge and the rhetoric of 'Third-World' intellectuals interested in sex and its power to transform nations, at the moment of colonial modernity. I end with a discussion of Orientalism, and the project of *sinography* (contrasted to *sinology*), associated with comparative literature scholars Haun Saussy and Eric Hayot.

26 February **Stephan Hartmann (Tilburg University)**  
Consensus and disagreement in science

There is a considerable amount of disagreement amongst scientists. They disagree on methodological questions regarding the virtues of a good theory as well as on conclusions drawn from observed data. But the domain of disagreement extends beyond purely academic questions: policy recommendations based on scientific theories and the distribution of research funds are typical examples of socially relevant areas of dissent in science. In many cases, the initial disagreement eventually leads to a consensus. This raises several questions: When is it rational for scientists to disagree? How should a group of scientists proceed to reach a decision? Which factors facilitate a consensus? The answers to these questions will surely depend on the specific case under investigation. I will argue, however, that formal methods can also be used to shed some light on these questions.

5 March **Max Kolbel (University of Barcelona)**  
On recent work on faultless disagreement

In a number of different areas, there have recently been debates about two different forms of construing context-dependence: contextualism (indexical relativism) and relativism. For example, consider those who think that the truth of claims about what is known depends on an epistemic standard (e.g. Cohen 1986, DeRose 1991 and Lewis 1996). For example, the claim that Anna knows that she has hands, will be true with respect to low epistemic standards, but not true with respect to the highest epistemic standards. Supposing that the truth of such claims does indeed depend on epistemic standards, then there are two different ways of explaining this. The first one is to say that it is the

propositional content of claims that varies with the context. Thus, when I say first, truly, that Anna knows she has hands, and then later say falsely that she knows she has hands, then the change in truth value is due to the fact that the two utterances expressed different propositions (each of them about a different epistemic standard). This can be called ‘contextualism’. The second way of construing the situation is to say that the proposition expressed is the same on each of the occasions, it’s only that that proposition is evaluated with respect to different epistemic standards (e.g. MacFarlane 2005). This can be called ‘relativism’. The same alternatives arise in many other areas, e.g. epistemic modals/probabilities, evaluative sentences, future contingents, causal claims, etc.

In this paper, I first review the motivations for supporting either of the two alternatives, in particular recent work by MacFarlane, Recanati and Cappelen and Hawthorne. I show that even in the hardest cases (e.g. future contingents) there are no compelling reasons to prefer relativism to contextualism or vice versa, though some weak reasons to do with theoretical elegance can be adduced in favour of relativism. Then I consider some phenomena that are difficult to explain for both relativists and contextualists. I offer a tentative explanation of these phenomena.

## History of Medicine

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

### Early Medicine and Natural Philosophy

Organised by Lauren Kassell and Laurence Totelin.

- 10 February **David Leith (Wellcome Trust Centre for the History of Medicine at UCL)**  
‘Atomism’ and the criterion of truth: Asclepiades of Bithynia’s appropriations of Epicureanism
- 24 February **Chiara Crisciani (University of Pavia)**  
The radical moisture between theology and medicine (13th–14th centuries)
- 3 March **Karen Buckle (Wellcome Trust Centre for the History of Medicine at UCL)**  
How (not) to read the advertisements of oculists: records, testimonies and the strategy of personal encounters in the early 18th century

### History of Modern Medicine and Biology

Organised by Vanessa Heggie and Nick Hopwood.

- 27 January **Roberta Bivins (University of Warwick)**  
Genetically ethnic? Medicine, heredity and immigration in post-war Britain
- 17 February **Katherine Foxhall (University of Manchester)**  
The diseased convict and the Australian voyage: medical knowledge, penal reform and colonisation
- 10 March **Salim Al-Gailani (HPS, Cambridge)**  
Pregnancy, pathology and public morals: making antenatal care in early twentieth-century Edinburgh

## From Generation to Reproduction

This seminar, which is funded by our Wellcome enhancement award in the history of medicine, is a forum for discussion of how, since 1500, our world of reproductive practices and controversy was created.

Seminars are on Tuesdays from 5.00 to 6.30pm in Seminar Room 1. Tea is available from 4.40pm. All welcome!  
Organised by Nick Hopwood and Lauren Kassell.

- 20 January **Conan Doyle (Department of Anglo-Saxon, Norse and Celtic, Cambridge)**  
Gynaecological fragments in a pragmatic archbishop’s handbook: the Old English *Formation of the Foetus* in context
- 3 February **Deborah Nicholson (University of the West of Scotland, Paisley)**  
Womb with a view: transforming obstetric ultrasound into a consumer experience

# 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 Sophia Davis.

- 19 January **Alison Wood (King's College London)**  
Responding to Darwin: The Reverend Thomas Stebbing (1835–1926), clergyman, naturalist and apologist
- 2 February **Marionne Cronin (Scott Polar Research Institute, Cambridge)**  
The ends of the earth: rearticulating the image of the poles in the age of polar aviation
- 9 February **Becky Brown (HPS, Cambridge)**  
Long in the tooth: a study of a set of papier-mâché horses' teeth
- 16 February **Andy Hammond (University College London)**  
JBS Haldane on the role of disease in evolution (1949): sickle cell anaemia, ecology, evolutionary medicine, and feeding the world
- 23 February **Jessica Hughes (Open University)**  
Punishing bodies: image and ambiguity in the Lydian-Phrygian 'confession stelae'
- 2 March **Eric Ash (Wayne State University, USA)**  
'The unrecovered country': the non-drainage of the Fens, 1619–20
- 9 March **Brigitte Resl (University of Liverpool)**  
Distancing animals in medieval chronicles

# Philosophy of Cognitive Science

Seminars are held on Wednesdays from 5.00 to 6.30pm in Seminar Room 2. The seminars mix philosophy with contemporary work in the cognitive and brain sciences. All are welcome. Organised by Mark Sprevak.

- 21 January **Matthew Broome (University of Warwick)**  
Psychiatry as cognitive neuroscience
- 4 February **Mike Wheeler (University of Stirling)**  
Recarving the cognitive joints of nature
- 18 February **Ron Chrisley (University of Sussex)**  
The phenomenology of the extended mind: why your beliefs are not in your iPhone
- 4 March **Maggie Boden (University of Sussex)**  
How creative is evolutionary computation?

# Psy Studies

## History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

Seminars are held on Wednesdays at 5pm in Seminar Room 1. Tea is available from 4.40pm. All welcome. Organised by John Forrester and Deborah Thom.

- 28 January **Pieter R. Adriaens (University of Leuven)**  
Ultimate fantasies: Sigmund Freud and evolutionary psychiatry
- 11 March **Christian Ydesen (Aarhus University and University of Edinburgh)**  
Transfer, translation, trading: how can we understand international influence and inspirations on a national educational field?

# HPS History Workshop

The HPS History Workshop is a seminar group devoted to peer discussion of work in progress in all areas of the history of science, medicine and technology. All HPS postgraduate students with an interest in history are welcome to present draft MPhil essays, PhD chapters, conference papers, etc. The workshop encourages friendly and constructive feedback while providing a fortnightly point of contact for postgraduate historians at HPS.

If you are interested in giving a paper or need more information, please contact Iris Montero. We meet on alternate Wednesdays at 1pm in Seminar Room 1.

- |             |                                                                                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21 January  | <b>Signe Nipper Nielsen (HPS, Cambridge)</b><br>Products of conception and the order of nature in Danish natural philosophy and medicine, c.1650–1800 |
| 4 February  | <b>Sophie Brockmann (HPS, Cambridge)</b><br>The golden road to China: cartographical representations of an improbable railway project, c.1881–5       |
| 18 February | <b>Michael Barany (HPS, Cambridge)</b><br>God, king, and geometry: Cauchy's reactionary rigour                                                        |
| 4 March     | <b>Katie Taylor (HPS, Cambridge)</b><br>Visual organisation of heavenly knowledge in the 16th and 17th centuries                                      |

# Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research.

Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

- |             |                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28 January  | <b>Jiri Hudecek and Michael Barany (HPS, Cambridge)</b><br>Proofs, refutations and heuristics: historical and essentialist standpoints in Lakatos's philosophy of mathematics |
| 11 February | <b>Nathan Wildman (Faculty of Philosophy, Cambridge)</b><br>Defending shallow essentialism                                                                                    |
| 25 February | <b>Céline Kermisch (Université Libre de Bruxelles)</b><br>Towards a postmodern concept of risk: the contribution of risk perception studies                                   |
| 11 March    | <b>Florian Steinberger (Faculty of Philosophy, Cambridge)</b><br>Where do the laws of logic come from?                                                                        |

# Metaphysics Reading Group

The group meets on Mondays 1.00–2.30pm in the HPS Lodge. This term we will be reading from *Time's Arrow and Archimedes' Point* by Huw Price. Meetings are open to all, and usually start with a brief, informal introduction to the week's reading from a group member. All welcome. Organised by Alex Broadbent.

- |             |                                                                                         |
|-------------|-----------------------------------------------------------------------------------------|
| 19 January  | The View from Nowhen; and 'More Apt to Be Lost than Got': The Lessons of the Second Law |
| 26 January  | New Light on the Arrow of Radiation                                                     |
| 2 February  | Arrows and Errors in Contemporary Cosmology                                             |
| 9 February  | Innocence and Symmetry in Microphysics                                                  |
| 16 February | In Search of the Third Arrow                                                            |
| 23 February | Convention Objectified and the Past Unlocked                                            |
| 2 March     | Einstein's Issue: The Puzzle of Contemporary Quantum Theory                             |
| 9 March     | The Case for Advanced Action; and Overview                                              |



# Science and Literature Reading Group

This term we shall focus on historical fiction about actual and invented lives in the mathematical and physical sciences. All of the novels will be made available in our box-file for reading in the Whipple Library only; many are also held in Cambridge University Library, or are still in print. Useful background reading for all of this term's seminars can be found in the *Isis* Focus section on 'History of Science and Historical Novels', *Isis* 98 (2007), 755–795.

We meet fortnightly on Mondays in the upstairs seminar room at Darwin College, from 7.30–9pm. All welcome! Please see our blog for details of the specific chapters on which our discussions will focus, and for further information about the group: [www.sci-lit-reading-group.blogspot.com](http://www.sci-lit-reading-group.blogspot.com). To join our dedicated mailing list, e-mail Melanie Keene or Daniel Friesner.

- 19 January John Banville, *Doctor Copernicus* (1976). Available in Cambridge University Library, and also still in print.
- 2 February Daniel Kehlmann, *Measuring the World* (2007 translation by Carol Brown Janeway). In print.
- 16 February Russell McCormmach, *Night Thoughts of a Classical Physicist* (1982). Available in Cambridge University Library, and also still in print.
- 2 March C.P. Snow, *The Search* (1934). Available in Cambridge University Library, and from second-hand booksellers.

# History and Theory Reading Group

The group will discuss articles relating to problems of historical research, interpretation, explanation and narration. Articles will be placed in the History and Theory box in the Whipple Library at the start of Lent Term. Links to some of these articles are available at [www.hps.cam.ac.uk/seminars/theory.html](http://www.hps.cam.ac.uk/seminars/theory.html)

We meet on alternate Fridays, 2.30pm to 4pm in the HPS Lodge. Graduate students are particularly welcome. Organised by Nick Whitfield.

- 23 January **Nick Whitfield:** Truth, Holocaust denial, and the history of science  
Eaglestone, R. *Postmodernism and Holocaust Denial* (Icon, 2001): pp.3–35.  
Finney, Patrick, 'Ethics, Historical Relativism and Holocaust Denial', *Rethinking History*, 1998, vol. 2, no. 3: pp.359–70.  
Merton, Robert K., 'The Institutional Imperatives of Science', in B. Barnes (ed.) *Sociology of Science: Selected Readings* (Penguin, 1972), pp.65–79.  
Stark, J., 'The Pragmatic and Dogmatic Spirit in Physics', *Nature*, 30 April, 1938, vol. 141: pp.770–72.
- 6 February **Eleanor Robson:** Translation, representation, interpretation  
Bernard, A. 2003. 'Ancient rhetoric and Greek mathematics: a response to a modern historiographical dilemma', *Science in Context*, vol. 16: pp.391–412.  
Robson, E., 'Inside ancient mathematics: translation, representation, interpretation', chapter 9.3 of *Mathematics in Ancient Iraq: A Social History* (Princeton University Press, 2008): pp.274–284.  
Unguru, S., 'On the need to rewrite the history of Greek mathematics', *Archive for the History of Exact Sciences*, vol. 15: pp.67–114.
- 20 February **Melanie Keene and Anne Secord:** Things  
Ken Alder, 'Thick Things – Introduction', *Isis*, 2007, vol. 98: pp.80–83.  
Bill Brown, 'Thing Theory', *Critical Inquiry*, 2001, vol. 28: pp.1–22.  
Lorraine Daston, 'On Scientific Observation', *Isis*, 2008, vol. 99: pp.97–110.  
Bruno Latour, 'Can we get our materialism back, please?', *Isis*, 2007, vol. 98: pp.138–142.
- 6 March **Elise Juzda:** Debating Whig history  
Harrison, Edward, 'Whigs, Prigs and Historians of Science', *Nature*, September 27, 1987, vol. 329: pp.213–14.  
Jardine, Nick, 'Whigs and Stories: Herbert Butterfield and the Historiography of Science,' *History of Science*, 2003, vol. 41: pp.125–140.  
Wilson, Adrian and T. G. Ashplant, 'Whig History and Present-Centred History', *The Historical Journal*, 1988, vol. 31, no. 1: pp. 1–16.  
Some might also wish to consult Herbert Butterfield's book *The Whig Interpretation of History* (1931), although the arguments presented therein are summarized in the readings above.

# Scientific Images Discussion Group

The seminar aims to discuss the relationship between history and philosophy of science and the visual image. Meetings will take place on Wednesdays (please see the dates below) in Seminar Room 1, starting on 21 January. All welcome. Each presenter will choose a text to be prepared by the group for their topic. You will find these texts a week in advance in the group's box in the Whipple Library. If you want to give a talk in Easter Term, join the group, or receive information and texts through our mailing list, please contact Mirjam Brusius.

21 January	11am – 12noon	<b>Chitra Ramalingam:</b> 'The historiography of the scientific image'
28 January	11am – 12noon	<b>Florence Grant:</b> 'Human art and natural beauty in eighteenth-century microscopy'
4 February	11am – 12noon	<b>Joshua Nall:</b> 'Mars globes and the canal controversy'
11 February	11am – 12noon	<b>Antje Pfannkuchen:</b> 'When nature begins to write herself: German Romantics read the Electrophore'
4 March	10am – 12noon	<b>Nick Hopwood:</b> Discussion of <i>Pictures of Evolution and Charges of Fraud</i>
11 March	10am – 12noon	1. <b>Iris Montero Sobrevilla:</b> 'Time flies: exploring visual links between hummingbird iconography and the Aztec calendar' 2. <b>Susanna Edwards:</b> 'Curious – looking at microscopy through craft and technology'

## Evolution Reading Group

This group discusses readings in the themes, ideas and individuals associated with theories of evolution in the nineteenth and early twentieth centuries. Each meeting is based around a single text, extract or article, introduced by a member of the group. We discuss both primary sources and secondary texts, and draw on a range of perspectives in history, philosophy and ethics. All are welcome, and we would be very interested to receive suggestions for readings.

Meetings are every other Thursday in term time, at 1pm in Seminar Room 2: please feel free to bring lunch. Our first meeting of the term will be held on Thursday 15 January, when we will discuss Janet Browne's *The Origin of Species: A Biography* (Atlantic Books, 2006). Details of future readings will be discussed during the meetings and circulated via e-mail. For more information, please contact Jenny Bangham or Richard Barnett.

## Astronomical Images

These meetings are part of the AHRC project 'Diagrams, Figures and the Transformation of Astronomy, 1450–1650', which analyzes the production, function and terminology of early modern astronomical imagery. Our meetings take the form of discussing papers or presentation by scholars (migrating once a month to Latin Therapy for a close reading of primary texts). All members associated with HPS are welcome; please feel free to bring lunch. Reading material will be available in a box ('Astronomical Images') in the library. Organised by Katie Taylor.

Thursday 15 January, 12.30 – 2.30

**Stephen Johnston (Museum of the History of Science, Oxford):** Cometary theory and graphical practice: Wren, Hooke and the comet of 1664–5

Thursday 22 January, 12.30 – 2.30

**Liba Taub (Whipple Museum, Cambridge):** Instrumental images in Tycho Brahe's work

Friday 30 January, 4.00 – 5.30: Joint session with Latin Therapy

Thursday 5 February: Historical Printing Workshop with **Nick Smith (Deputy Head of Rare Books, University Library, Cambridge)** – meet in entrance hall of the UL at 12.30pm. This session will give an introduction to printing by hand followed by a more detailed look at illustrations.

Thursday 12 February, 12.30 – 2.30

**Renée Raphael (Princeton University):** A discussion of Galileo's diagrams

Thursday 19 February, 12.30 – 2.30

**José Marcaida (Consejo Superior de Investigaciones Científicas, Madrid):** Paintings and diagrams

Friday 27 February, 4.00 – 5.30: Joint session with Latin Therapy

Thursday 5 March, 12.30 – 2.30

**Raphaële Fruet (Trinity College, Cambridge):** Belleforest's 1575 translation of Munster's *Cosmographie*

# Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century topics in the history and philosophy of science. Sessions alternate between readings and talks, and each term has a different theme. Copies of all texts can be found in the TCTT box in the Whipple Library. Meetings are every other Tuesday at 1pm in Seminar Room 1. Everyone is welcome, and feel free to bring lunch! For more information visit <http://20thinktank.googlepages.com/>

## Experiment

- 20 January     Talk: **Ruth Horry (HPS, Cambridge)**  
                  ‘Botany of the air: experiments, airships and agriculture in 1930’  
                  Reading: Galison, P. ‘The many faces of big science’. Introduction in: P. Galison & B. Hevly (eds.) *Big science: the growth of large-scale research* (Stanford University Press, 1992), pp.1–17.
- 3 February     1. H. Collins and T. Pinch, *The Golem* (Cambridge University Press, 1993), chapter 7: ‘Set the controls for the heart of the sun: the strange story of the missing solar neutrinos’, pp.121–138.  
                  2. B. Latour and S. Woolgar, *Laboratory Life: The Social Construction of Scientific Facts* (Sage, 1979), chapter 2: ‘An anthropologist visits the laboratory’, pp.43–90.  
                  3. B. Latour, *Science in Action* (Open University Press, 1987), chapter 6: ‘Centres of calculation’, pp.215–257.
- 17 February    1. P. Galison & A. Assmus, ‘Artificial clouds, real particles’. In: D. Gooding, T. Pinch and S. Schaffer (eds.) *The uses of experiment: studies in the natural sciences* (Cambridge University Press, 1989), pp. 225–274.  
                  2. R.E. Kohler, *Landscapes & Labscapes: Exploring the Lab-field Border in Biology* (University of Chicago Press, 2002), chapter 1: ‘Borders and history’, pp.1–22; and chapter 5: ‘Experiments in nature’, pp.135–174.
- 3 March        Talk: **Simon Schaffer (HPS, Cambridge)**  
                  ‘High science: hill stations and modern astrophysics’  
                  Reading: 1. Simon Schaffer, ‘Astrophysics, anthropology and other imperial pursuits’. In: J. Edwards, P. Harvey and P. Wade (eds.) *Anthropology and science: epistemologies in practice* (Berg, 2007), pp.19–38.  
                  2. D. MacKenzie, ‘From Kwajalein to Armageddon? Testing the social construction of missile accuracy’. In: D. Gooding, T. Pinch and S. Schaffer (eds.) *The uses of experiment: studies in the natural sciences* (Cambridge University Press, 1989), pp.409–436.

## Kant Reading Group

This term the Kant Reading Group will be looking at a mixture of primary and secondary texts on Kant’s theoretical and practical philosophy. Meeting are on Tuesdays, 1.00–2.30pm in the HPS Lodge. For further information please contact Sacha Golob. All welcome!

## Latin Therapy

The Latin Therapy Group meets on Fridays at 4pm in the HPS Lodge to practise the art of translation, improve our Latin grammar, and determine who deserves more sympathy on account of the difficulty of their sources – all in a mutually supportive environment!

Each week we study a classical, medieval or early modern text related to the history of science, medicine and technology, selected by members of the group – perhaps as research for an essay or paper, or simply to revive rusty language skills. We warm up with a short introductory piece before moving onto the main text, aiming to produce a working translation each week. Latin texts are circulated in advance, and further support is provided by our language tutor, Debby Banham. All are welcome.

This year, Latin Therapy also joins forces with the AHRC-funded project ‘Diagrams, Figures and the Transformation of Astronomy, 1450-1650’ to investigate some early modern astronomical texts and images. These joint sessions will take place on 30 January and 27 February at the usual time.

More information can be found at our website: [www.hps.cam.ac.uk/latintherapy](http://www.hps.cam.ac.uk/latintherapy). To be added to the mailing list, or to suggest a text, please contact Jenny Rampling.

# Greek Therapy

We are a small informal group seeking to improve our Ancient Greek with the help of our tutor, Liz Smith. At present we are reading Porphyry's *Life of Pythagoras* and we hope to move on to some easy Plato in the course of the year.

Meetings are provisionally scheduled for 5.30pm on Tuesdays in full term (but this is flexible). All are welcome. For further information please contact Lydia Wilson.

# Arabic Therapy

Arabic Therapy meets on Mondays during term-time, from 5.00–6.30pm in the HPS Lodge. The group provides a weekly, relatively low-impact class, aimed at acquiring a basic reading knowledge of Arabic from scratch, through taught sessions and group exercises. In Michaelmas Term we began by learning Arabic script and verb forms, and by constructing simple sentences. This term, we continue to learn the grammatical building blocks, supplemented with some basic reading. Regular classes (led by our tutor, Lydia Wilson) will also be supported by visits to the Cambridge University Language Centre.

For further details, or to be added to the mailing list, please contact Jenny Rampling.

# Easter Term 2009

## 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 Lauren Kassell.

23 April **Mark Jackson (University of Exeter)**

Fusing modern art and science: Marian Dale Scott, Hans Selye, and the visualisation of life

In June 1943, the prominent Canadian artist Marian Dale Scott unveiled a mural, entitled 'Endocrinology', that she had been commissioned by the Hungarian-born scientist Hans Selye to paint on a wall of the reading room in the Histology Department at McGill University. By focusing on a range of scientific motifs and clinical manifestations of hormone function and malfunction, Scott's painting aimed not only to capture the 'spirit of scientific research', but also to invigorate the attempts of modern artists to leave the 'isolation of the studio' and engage more fully 'with the moving forces of his age'. This paper explores the origins, development, delivery and legacy of this innovative collaborative project between a modern artist and scientist.

30 April **Alex Broadbent (HPS, Cambridge)**

Causation, models of disease and epidemiology

In the nineteenth century, many cases of disease previously thought to have diverse causes began to be explained by the action of a single kind of cause, e.g. a certain parasitic infestation. Some have argued that this conceptual shift was key to the advancement of medicine through the late nineteenth and twentieth centuries. The focus of much recent epidemiology, however, is on chronic non-communicable diseases, which frequently do not seem to be attributable to any single causal factor. This paper is an effort to resolve the resulting tension. I propose a 'contrastive' multifactorial model, on the grounds that it links the notions of disease and of general explanation, while avoiding the philosophical naiveties and practical difficulties of the monocausal model.

7 May **Sonu Shamdasani (University College London)**

Insanity, divine madness and prophecy in Jung's self-experimentation

Following a series of apocalyptic visions in 1913, C.G. Jung engaged in protracted period of self-experimentation which took the form of provoking an extended series of waking fantasies, and then attempting to understand them psychologically. Fusing these materials with historical researches, he composed an unpublished illuminated manuscript in a self-styled prophetic form, called the Red Book (forthcoming, W.W. Norton), which forms the central work in his oeuvre. One of its critical themes is the significance of divine madness, which this talk opens up for discussion.

14 May **Peter Harrison (University of Oxford)**

Experimental religion and experimental natural philosophy in early modern England

One of the curious features of the theological literature of the late sixteenth and early seventeenth century is the frequency with the term 'experimental' is used in relation to a variety of religious beliefs and practices – experimental knowledge of God, experimental prayer, experimental reading of scripture, experimental witnesses, experimental divines, and so on. If we pay close attention to the contexts in which these expressions appear, we see the beginnings of a technical vocabulary in which 'experimental' becomes more than simply a synonym for 'experiential' and in which the virtues of experimental knowledge are variously contrasted with mere speculative knowledge, with book learning, with second-hand reports of particular religious experiences, and with the doctrinal pronouncements of religious authorities. In the early modern English vocabulary of experimental religion, I suggest, there developed sets of oppositions that were subsequently taken up by promoters of experimental natural philosophy.

21 May **Guy Ortolano (University of Virginia)**

The two cultures controversy: science, literature and cultural politics in postwar Britain

This talk will be about my recent book *The Two Cultures Controversy: Science, Literature and Cultural Politics in Postwar Britain* (Cambridge, 2009). Ever since the scientist-turned-novelist C.P. Snow clashed with literary critic F.R. Leavis in the early 1960s, it has been a commonplace to lament that intellectual life is divided between 'two cultures', the arts and sciences. Yet why did a topic that had long been discussed inspire such ferocious controversy at this particular moment? This talk answers that question by recasting this dispute as an ideological conflict between competing visions of Britain's past, present and future. By excavating the political stakes of the 'two cultures' controversy, this talk seeks to explain the workings of cultural politics during the 1960s more generally, while also revising the meaning of a term that continues to be evoked to this day.

28 May **Fourteenth Annual Hans Rausing Lecture (McCrum Lecture Theatre)**  
**Pamela H. Smith (Columbia University)**  
Local crafts and universal science: lived experience and the written word in the early modern world

4 June **Valedictory Lecture**  
**Martin Kusch (HPS, Cambridge)**  
Rulers, clocks and common sense: metrology as a key to Wittgenstein's *On Certainty*

The paper suggests a new interpretation of Wittgenstein's last notebooks that were published posthumously under the title *On Certainty*. I seek to show that the common-sense certainties at issue in these notebooks can best be understood on the model of metrological standards (like the prototype meter in Paris). Along the way, I defend Wittgenstein's controversial claim that the prototype meter is not one meter long (against Kripke); illustrate the relevance of metrological analogies for many of Wittgenstein's central concerns (in the philosophy of psychology and mathematics); highlight the influence of Einstein's ideas on clock synchronisation; and explain the nature of Wittgenstein's anti-sceptical argument. (The talk is non-technical and does not presuppose any prior knowledge of either Wittgenstein or metrology.)

## 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 Sophia Davis.

20 April **Bernard Lightman (York University, Canada)**  
Popularizing evolution: biographies and books for children

27 April **Efram Sera Shriar (University of Leeds)**  
Founding the science of ethnology: James Cowles Prichard and his 'Researches into the physical history of man'

4 May **Christopher Plumb (University of Manchester)**  
'It is to do one's best to look without laughing': the spectacle of the kangaroo in late eighteenth-century London

11 May **Richard Coulton (Queen Mary, University of London)**  
Gardening like gentlemen? Constructing the nurseryman in early eighteenth-century London

18 May **Philip Kerrigan (University of York)**  
Reality and representation: Mark Catesby's natural history of Carolina, Florida and the Bahama Islands and the epistemological limits of pictorial illustration

25 May **Katie Zimmerman (HPS, Cambridge)**  
Locating true North: a physiognomic analysis of Marianne North and the North Gallery at Kew

1 June Field trip to Wicken Fen

Friday 12 June 1–4pm: Garden party on Darwin College's island, with punting

## Psy Studies

### History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

Seminars are held on Wednesdays at 5pm in Seminar Room 1. Tea is available from 4.40pm. All welcome. Organised by John Forrester and Deborah Thom.

6 May **Eli Zaretsky (New School for Social Research, NY, and Institut du Temps Présent, Paris)**  
Psychoanalysis and war

# HPS History Workshop

The HPS History Workshop is a seminar group devoted to peer discussion of work in progress in all areas of the history of science, medicine and technology. All HPS postgraduate students with an interest in history are welcome to present draft MPhil essays, PhD chapters, conference papers, etc. The workshop encourages friendly and constructive feedback while providing a fortnightly point of contact for postgraduate historians at HPS.

If you are interested in giving a paper or need more information, please contact Iris Montero. We meet on alternate Wednesdays at 1pm in Seminar Room 1.

- 29 April      **Geoff Belknap (HPS, Cambridge)**  
Placing trust in photographs – photography and the illustrated press
- 13 May        **Alexandra Bacopoulos-Viau (HPS, Cambridge)**  
Mad women and mad-doctors
- 27 May        **Frans Lundgren (Uppsala University)**  
The politics of participation: Francis Galton's Anthropometric Laboratory and the formation of civic selves
- 10 June       **Gerardo Con Díaz (HPS, Cambridge)**  
'Strange are the ways of providence': Calvinism, evolution, and the autobiography of James Croll

# Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research.

Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

- 6 May         **Louise Braddock (Girton College, Cambridge)**  
So what is psychological identification anyway?
- 20 May        **Ciara Fairley (Faculty of Philosophy, Cambridge)**  
What reasons needn't be
- 3 June         **Sacha Golob (HPS, Cambridge)**  
Autonomy and ontology: freedom in Kant and Heidegger

# Evolution Reading Group

This group discusses readings in the themes, ideas and individuals associated with theories of evolution in the nineteenth and early twentieth centuries. Each meeting is based around a single text, extract or article, introduced by a member of the group. We discuss both primary sources and secondary texts, and draw on a range of perspectives in history, philosophy and ethics. All are welcome, and we would be very interested to receive suggestions for readings.

Meetings are every other Thursday in term time, at 1pm in Seminar Room 2: please feel free to bring lunch. Photocopies of all readings will be made available in the group's box in the Whipple Library. For more information, please contact Jenny Bangham or Richard Barnett.

- 30 April      Thomas Henry Huxley, 'Evolution and Ethics: the Romanes lecture for 1893', and Julian Huxley, 'Evolution and Ethics: the Romanes lecture for 1943'.
- 7 May         Theodosius Dobzhansky, *Genetics and the Origin of Species* (1937), chapter 9, 'Species as natural units'; Julian Huxley, *Evolution: A Modern Synthesis* (1942), chapter 7, 'Speciation, evolution, taxonomy', section 3, 'Modes of speciation and taxonomic method'.
- 21 May        Gillian Beer, *Darwin's Plots: evolutionary narrative in Darwin, George Eliot and nineteenth-century fiction* (1983), chapters 2 & 3.
- 4 June         Charles Kingsley, *The Water Babies* (1863), chapters 1–4.

## Kant Reading Group

This term the Kant Reading Group will be looking at a mixture of primary and secondary texts on Kant's theoretical and practical philosophy.

Meetings are on Tuesdays, 1.00–2.30pm in the HPS Lodge. For further information please contact Sacha Golob. All welcome!

## Metaphysics Reading Group

The group meets on Mondays 1.00–2.30pm in the HPS Lodge. Meetings are open to all, and usually start with a brief, informal introduction to the week's reading from a group member.

This term we will be reading papers chosen by participants. If you would like to suggest a paper please e-mail Alex Broadbent.

## Science and Literature Reading Group

We meet fortnightly on Mondays in the upstairs seminar room at Darwin College, from 7.30–9pm. All welcome!

Please see our blog for further information about the group: [www.sci-lit-reading-group.blogspot.com](http://www.sci-lit-reading-group.blogspot.com). To join our dedicated mailing list, e-mail Melanie Keene or Daniel Friesner.

## History and Theory Reading Group

The group will discuss articles relating to problems of historical research, interpretation, explanation and narration. Articles will be placed in the History and Theory box in the Whipple Library at the start of Easter Term.

We meet on alternate Fridays, 2.30pm to 4pm in the HPS Lodge. All are welcome, graduate students in particular. Organised by Nick Whitfield.

- 1 May      **Boris Jardine:** The double- and triple-binds of modernist historiography  
Lerner, D. 'Interviewing Frenchmen', *The American Journal of Sociology*, Vol. 62, No. 2, Sep., 1956, pp. 187–194.  
Anderson, P. 'Modernity and revolution', *New Left Review* I/144, March–April 1984, pp. 96–113.  
Galison, P. 'History, Philosophy, and the Central Metaphor', *Science in Context* 2, 1988, pp. 197–212.  
Carnap, R. 'On the Character of Philosophic Problems', *Philosophy of Science*, Vol. 1, No. 1, Jan., 1934, pp. 5–19.
- 15 May      **Leon Rocha:** Theory of/as science fiction  
Anne Cranny-Francis (1998) 'The "science" of science fiction: a sociocultural analysis' in J.R. Martin and Robert Veal (eds.) *Reading Science: Functional and Critical Perspectives on Discourses of Science*. London: Routledge, pp. 63–80.  
Donna Haraway (1989) *Primate Visions: Gender, Race, and Nature in the World of Modern Science*. London: Routledge. See Chapter 16, 'Reprise: Science Fiction, Fictions of Science, and Primatology', pp. 368–382.  
Donna Haraway (1991) 'A Cyborg Manifesto: Science, Technology, and Socialist-Feminism in the Late Twentieth Century' in her *Simians, Cyborgs and Women: The Reinvention of Nature*. London: Routledge, pp. 149–182.
- 29 May      **Lydia Wilson:** Constructing 'horizons of expectation'  
Hans Robert Jauss (1982) *Toward an Aesthetic of Reception*. Minnesota Press, 1982. Chapter 1 'Literary History as a Challenge to Literary Theory'.  
Alastair Fowler: *Kinds of Literature: An Introduction to the Theory of Genres and Modes*. Harvard, 1982. Chapter 10 'Transformations of Genre'.  
Nicholas Jardine: 'Dead Questions and Vicarious Understandings: questioning Gadamer's Genealogy', *Journal of the Philosophy of History*, Vol 1, No. 1, 2007 pp. 63–78.



# Scientific Images Discussion Group

The seminar aims to discuss the relationship between history and philosophy of science and the visual image. Meetings will take place fortnightly on Thursdays, 1pm–3pm in Seminar Room 1. All welcome.

Each presenter will choose a text to be prepared by the group for their topic. You will find these texts a week in advance in the group's box in the Whipple Library. If you want to join the group, or receive information and texts through our mailing list, please contact Geoff Belknap.

- |          |                                                                                                                                                                                                                                                                       |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 30 April | 1. <b>Chitra Ramalingam</b> – The historiography of the scientific image<br>2. <b>Nick Whitfield</b> – Images of blood transfusion in wartime London                                                                                                                  |
| 14 May   | 1. <b>Michael Barany</b> – Picturing points: geometric imagination in the first English translations of Euclid's <i>Elements</i><br>2. <b>Gerardo Con Diaz</b> – Doughnut holes and paper cut-outs: image, visualization and manipulation in low dimensional topology |
| 28 May   | 1. <b>Alexander Wragge-Morley</b> – A (visual) tour of the wisdom of the human eye with Robert Boyle<br>2. Katie Zimmerman – Visualizing nature: Marianne North's botanical portraits at Kew                                                                          |
| 11 June  | 1. <b>Melanie Keene</b> – 'Science in Sport, or the Pleasures of Astronomy' (1804)<br>2. <b>Mirjam Brusius</b> – Is art historical methodology useful for HPS and how could it be applied?                                                                            |

## Astronomical Images

These meetings are part of the AHRC project 'Diagrams, Figures and the Transformation of Astronomy, 1450–1650', which analyzes the production, function and terminology of early modern astronomical imagery. Our meetings take the form of discussing papers or presentation by scholars (migrating once a month to Latin Therapy for a close reading of primary texts).

All members associated with HPS are welcome; please feel free to bring lunch. Reading material will be available in a box ('Astronomical Images') in the library. Organised by Katie Taylor.

Friday 24 April, 4.00 – 5.30pm: Joint session with Latin Therapy

Thursday 7 May, 1.00 – 3.00pm

**Sachiko Kusakawa (Trinity College, Cambridge)**

Conrad Gessner's images of the soul

Thursday 21 May, 1.00 – 3.00pm

**Renée Raphael (Princeton University)**

Astronomical tables as images? An exploratory study focusing on Kepler's Rudolphine Tables

Friday 29 May, 4.00 – 5.30pm: Joint session with Latin Therapy

Thursday 4 June, 1.00 – 3.00pm

**Andrew Cunningham (HPS, Cambridge)**

Looking at anatomical diagrams and figures, 1450–1650

# Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century topics in the history and philosophy of science. Sessions alternate between readings and talks, and each term has a different theme. Copies of all texts can be found in the TCTT box in the Whipple Library. Meetings are every other Tuesday at 1pm in Seminar Room 1. Everyone is welcome, and feel free to bring lunch! For more information visit <http://20thinktank.googlepages.com/>

- 28 April      Talk: **Jenny Bangham (HPS, Cambridge)**  
“Social biology and population improvement” in the work of Hogben and Needham in the 1930s  
Reading: 1. Diane Paul, ‘Eugenics and the Left’, in *The Politics of Heredity* (New York: State University of New York Press, 1988), pp. 11–36.  
2. F.A.E. Crew et al., ‘Social biology and population improvement’, *Nature* 144 (1939), 143–144.
- 12 May        Talk: **Jiri Hudecek (HPS, Cambridge)**  
‘Leaping from theory to practice: mathematics in China in the 1950s’  
Reading: 1. Theodore Hsi-en Chen, ‘Science, scientists and politics’, in S.H. Gould (ed.), *Sciences in Communist China* (Washington: American Association for the Advancement of Science, 1961), pp. 59–102, especially p. 75 ff.  
2. R.P. Suttmeier, ‘Party views of science: the record from the first decade’, *The China Quarterly* 44 (1970), 146–168.  
3. Yeu-Farn Wang, *China’s Science and Technology Policy: 1949–1989* (Stockholm: University of Stockholm, 1991), chapters 3 & 4.
- 26 May        Talk: **Nick Whitfield (HPS, Cambridge)**  
‘Who is my Donor? How to recruit blood-givers in a Total War, London 1939–1945’  
Reading: 1. Steven Shapin, *The Scientific Life: A Moral History of a Late Modern Vocation* (Chicago: University of Chicago Press, 2008), chapter 1.  
2. Steven Shapin, *The Social History of Truth* (Chicago: University of Chicago Press, 1994), epilogue, pp. 409–418.
- Monday 8 June      Talk: **David Singerman (HASTS, MIT)**  
‘Keynes’s genetics and the ethical life’  
Reading: 1. Robert Skidelsky, *John Maynard Keynes: A Biography*, Vol. I (London: Macmillan London, 1983), chapter 6.  
2. W. Bateson, ‘The methods and scope of genetics: inaugural lecture delivered 23 October 1908, Cambridge’, in W. Bateson and B. Bateson, *William Bateson, F.R.S. Naturalist: His Essays & Addresses together with a Short Account of His Life* (Cambridge: Cambridge University Press, 1928), pp. 317–333.  
3. Francis Galton, ‘Probability, the Foundation of Eugenics’, *Popular Science Monthly*, Vol. LXXI (July to December, 1907), 165–178.
- 16 June        Talk: **Janet Vertesi (Department of Informatics and Computer Sciences, University of California, Irvine)**  
“‘Seeing like a Rover’: images in interaction on the Mars Exploration Rover Mission’

## Latin Therapy

The Latin Therapy Group meets on Fridays at 4pm in the HPS Lodge to practise the art of translation, improve our Latin grammar, and determine who deserves more sympathy on account of the difficulty of their sources – all in a mutually supportive environment! Each week we study a classical, medieval or early modern text selected by members of the group. Latin texts are circulated in advance, and further support is provided by our language tutor, Debby Banham. All are welcome. This year, Latin Therapy also joins forces with the AHRC-funded project ‘Diagrams, Figures and the Transformation of Astronomy, 1450–1650’ to investigate some early modern astronomical texts and images.

More information can be found at our website: [www.hps.cam.ac.uk/latintherapy](http://www.hps.cam.ac.uk/latintherapy). To be added to the mailing list, or to suggest a text, please contact Katie Taylor. We will meet at 4.00–5.30pm on the following dates:

- 24 April      Joint session with the Astronomical Images Group  
1 May, 8 May  
15 May        Guided tour of St John’s Library, with a chance to look at any rare materials of interest (sign up with Katie Taylor in advance)  
22 May  
29 May        Joint session with the Astronomical Images Group  
12 June

Please note that there will be no session on Friday 5 June, owing to a clash with the Department garden party. The date for the Latin Therapy garden party will be confirmed nearer the time.

# Greek Therapy

We are a small informal group seeking to improve our Ancient Greek with the help of our tutor, Liz Smith. At present we are reading Porphyry's *Life of Pythagoras* and we hope to move on to some easy Plato in the course of the year.

Meetings are provisionally scheduled for 5.30pm on Tuesdays in full term (but this is flexible). All are welcome. For further information please contact Lydia Wilson.

# Arabic Therapy

Arabic Therapy meets on Mondays during term-time, from 5.00–6.30pm in the HPS Lodge, starting in Week 3. The group provides a weekly, relatively low-impact class, aimed at acquiring a basic reading knowledge of Arabic from scratch, through taught sessions and group exercises. In Easter Term we continue to learn the grammatical building blocks, supplemented with some basic reading. Regular classes (led by our tutor, Lydia Wilson) will also be supported by visits to the Cambridge University Language Centre.

For further details, or to be added to the mailing list, please contact Jenny Rampling.