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The Department

Introduction

Welcome to the 2009–10 Annual Report. It was another busy year for the Department of History and Philosophy of Science and many of the main activities were to do with people and staffing, highlighting the fact that it is the people who make the Department a success.

Liba Taub was successful in her application for promotion to Professor and Tim Lewens was successful in his application for promotion to Reader, and we would like to congratulate them both on their new positions which commence in October 2010.

During the course of the year Hasok Chang was appointed as the Department's Rausing Professor, taking up the post previously held by Peter Lipton. Hasok joined the Department in September 2010 and we would like to extend our warm welcomes to him.

Nick Jardine retired on 30th September 2010. To celebrate his work and contributions to the history of science the Department held a day of talks entitled, 'The Seven Ages of Nick Jardine', which took place on 30th June 2010. This was a wonderful event held at Peterhouse College (thanks to Sacha Golob for facilitating this), with informative and entertaining contributions from Nick's students and colleagues. The event was such a success that several participants suggested making Nick's retirement an annual event! This might be possible due to the launch of the much-planned Scientific Heritage project in October 2010, on which Nick will be engaged as consultant for two years from January 2011. This means we can have another party at the end of 2012!

For the past couple of years the Department has had an unprecedented number of Teaching Associates, including Kevin Brosnan, Alex Broadbent, Sorin Bangu, Richard Barnett and Nicky Reeves. Their time with us in these positions comes to an end in the summer of 2010 and they are each moving on to new things. We want to thank them for the contributions they have made to the Department and wish them well in their new ventures.

It was another successful year for research grants. Nick Hopwood, in collaboration with colleagues in the departments of History, Geography and Classics, won a Wellcome Strategic Award which began in October 2009 and will run for five years. Francis Neary and Jacqueline Cahif joined the Department to work on this project entitled 'Generation to Reproduction'. Lauren Kassell was successful in obtaining Wellcome Trust funding for her Casebooks project. This started in April 2010 and Mike Hawkins, Rob Ralley and John Young joined the Department to work on the project. Simon Schaffer, in collaboration with colleagues at the National Maritime Museum, launched his Longitude project which started in May 2010 and will run for five years. Alexi Baker and Nicky Reeves joined the project. Jenny Rampling was successful in her application to the Wellcome Trust and began a three-year research fellowship in January 2010.

The Whipple Museum was out of commission for a large part of the year while its cases were refurbished. Liba Taub was successful in obtaining funding from the DCMS and the CSHSS for this purpose, and for the modest sum of £85,000 she has given the main gallery a much-needed facelift. During the course of the year the Museum said goodbye to Josh Nall and Ruth Horry, who started PhDs in October 2009; Sarah Robertson, who took up post as Curator of the Stained Glass museum in Ely; and Karina Rivadeniera,

who left to spend more time with her children. Steve Kruse and Claire Wallace took up new posts as Museum Technicians and Alison Smith joined the team as Attendant.

The Department had a General Board Learning and Teaching review in April 2010. Preparation for the review involved gathering together all of the Department's teaching and examining materials for the period covering 2003–2010 and providing a strategic overview, putting them in context for the Review Committee. The review went extremely well and we must extend our most sincere and grateful thanks to everyone who took part. The Review Committee were impressed by the Department and the recommendations they made were really very minor.

2009–10 was the first year for the Department's new Part III course in History and Philosophy of Science. Eight brave students took the course, which ran in parallel to the MPhil. Three of the eight students have since gone on to study for a PhD, which was one of the aims of the course, and the numbers applying have increased significantly, putting pressure on the Department to increase admissions in the future.

During the course of the year members of the Department hosted a number of very successful conferences and workshops: Alex Broadbent hosted two PhG sponsored Epidemiology workshops; Katie Taylor and others ran this year's BSHS postgraduate conference from the Department; and Jenny Rampling ran a History of Chemistry Workshop.

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!

February 2011

Staff and affiliates

Administrative Staff

Jenny Fox
Tamara Hug
David Thompson
Steve Kruse

Computing Staff

Mark Rogers

Library Staff

Tim Eggington
Dawn Moutrey

Museum Staff

Sarah Robertson
Karina Rivadeniera
Derek Scurll

Teaching Officers

John Forrester
Nick Hopwood
Nick Jardine
Lauren Kassell
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

Salim Al-Gailani
Marie-Francoise Besnier
Elma Brenner
Greta Van Buylaere
Jacqueline Cahif
Andrew Cunningham
Graham Cunningham
Natalie Kaoukji
Francis Neary
Hilary Powell
Jennifer Rampling
Renee Raphael

Affiliated Lecturers

Patricia Fara
Marina Frasca-Spada
Sachiko Kusakawa
Deborah Thom
Frances Willmoth

College Research Fellows

Adam Bostanci
Paul Dicken
Stephen John
Melanie Keene
Russell Manning
Ayesha Nathoo
Mark Sprevak

Affiliated Scholars

Jon Agar
Robert Anderson
Lisa Appignanesi
Debby Banham
Andrew Barry
German Berrios
Sanjoy Bhattacharya
Peter Bowler
Angela Breitenbach
Janet Browne
Robert Bud
Tatjana Buklijas
Jeremy Butterfield
Alix Cohen
Peter Collins
S de Chadarevian
Cristina Chimisso
Christopher Cullen
Silvia De Renzi
Matthew Donald
Katie Eagleton
Michael Edwards
Nader El-Bizri
Roger Gaskell
Axel Gelfert
Faye Getz
Jeremy Gray
Ole Grell
Anne Harrington
Gill Hudson
Annette Imhausen
Shelley Innes

Catherine Jami
Richard Jennings
Peter Jones
Harmke Kamminga
Eli Kingma
Martin Kusch
Gerald Kutcher
Emese Lafferton
David Leith
Mary Leng
Chris Lewis
Geoffrey Lloyd
Helen Macdonald
Anita McConnell
Matteo Mameli
Christina McLeish
Raymond Mercier
Simon Mitton
Jim Moore
Adam Mosley
Jaume Navarro
Richard Noakes
Onora O'Neill
Alison Pearn
Katy Price
Sadiah Qureshi
Chitra Ramalingam
Jason Rampelt
Michael Redhead
Martin Rudwick
Colin Russell
Christine Salazar
Anne Secord
Richard Serjeantson
Ilina Singh
Sujit Sivasundaram
Emma Spary
Rebecca Stott
Martin Peterson
Robert Ralley
Alisha Rankin
Alistair Sponsel
J Stedall
Laurence Totelin
Karin Tybjerg
John van Wyhe
Andrew Wear
Paul White
Sarah Wilmot
Eli Zahar

Visitors and students

Visiting Scholars

Peter Anstey
Raf De Bont
Patrizia Grimaldi Pizzorno
Anja-Silvia Goeing
Agustín Malón
Constantine Tampakis
Babu Thaliath

Visiting Students

Julia Gyimesi
Fanny Robles

PhD students

Salim Al-Gailani
Alexandra Bacopoulous-Viau
Jennifer Bangham
Geoffrey Belknap
Jonathan Birch
Joanna Burch Brown
Sophie Brockmann
Mirjam Brusius
Yoon Choi
Mike Collins
Sophia Davis
Bonnie Evans
David Feller
Carl Fisher
Susannah Gibson
Natasha Goldberg
Sacha Golob
Ruth Horry
Jiri Hudecek
Boris Jardine
Jeremy Kessler
Allison Ksiazkiewicz
Daniel Lim
Emily Mcternan
Iris Montero-Sobrevilla
Sasha Mudd
Lisa Mullins
Joshua Nall
Sam Nicholson

Signe Nielsen
Kamyar Nowidi
Emma Perkins
Arash Pessian
Leon Rocha
Alix Rogers
Joab Rosenberg
Joe Sandham
Alireza Taheri
Katie Taylor
Nicholas Teh
Julie Walsh
Billy Wheeler
Nicholas Whitfield
Lydia Wilson
Joeri Witteveen
Alexander Wragge-Morley
Caitlin Wylie
Katharine Zimmerman

MPhil students

Margaret Barker
Kristin Buterbaugh
Michael Coxhead
Alexander Fabry
Nils Hellstrom
Margaret Jack
Alexander Jacobs
Katharina Kraus
Lavinia Maddaluno
Jesse Olszynko-Gryn
Eoin Phillips
Nicholas Tam
Kathryn Ticehurst

Part III students

Shahar Avin
Rebecca George
Michael Kattirtzi
Andrew Maddox
Tom Morris
Fiona Mozley
Dmitriy Myelnikov
Anja Saso

Part II students

Matthew Andrew
Duncan Barrigan
Duncan Brannan
Stephanie Chan
William Cook
Rebecca Corke
Hannah Darcy
John Day
George Dodd
Vashka Dos Remedios
Ciara Drummond
Ruth Everness
Mhari Galbraith
Emma Gill
Maddy Gregory-Clarke
Tom Halstead
Nadia Howard Tripp
Sarah Jones
Laura Jones
Amiel Kestenbaum
Soban Khawaja
Chris Maynard
Ester Momcilovic
Jack Monaghan
Giles Moon
Faisal Nasim
Nicola Partridge
Alice Pearce
Matthew Pilkington
James Poskett
Catriona Reid
Amit Shah
Rosa Sharp
Michael Shephard
Han-Ley Tang
Amy Taylor
Joe Ryan
Georgina Wheeler
Louise Windo

Comings and goings

Salim Al Gailani joined the department as a Wellcome Research Fellow.

Alexi Baker joined us in June 2010 as a Research Associate on the Longitude Project.

Sorin Bangu left us in the summer of 2010 to become Visiting Assistant Professor at the University of Illinois.

Richard Barnett left us in the summer of 2010 to begin independent research into the history of gin.

Alex Broadbent went from Philosophy of Science Teaching Associate to PhG Fellow.

Mike Hawkins joined us in April 2010 as Research Fellow on the Casebooks Project.

Nick Jardine retired as Professor of History and Philosophy of Science. He became consultant on the Scientific Heritage project.

Rob Ralley joined us (again) as a Research Fellow on the Casebooks project.

Renee Raphael left us in the summer of 2010.

Nicky Reeves finished as History of Science Teaching Associate to become a Research Fellow on the Longitude Project.

Karina Rivedeniera left us in June 2010.

Sarah Robertson left us at the end of 2009 to take up the post of Curator at the Ely Stained Glass Museum

Simon Schaffer returned after a two-year major leave fellowship.

Alison Smith joined us as Museum Attendant September 2010.

Claire Wallace joined us as Chief Museum Assistant in January 2010.

Lydia Wilson became a Research Fellow on the Scientific Heritage project.

John Young joined us in April 2010 as Research Fellow on the Casebooks Project.

Roles and responsibilities

Departmental positions

Head of Department: Professor John Forrester

Chairman of the HPS Board: Professor Jim Secord and Dr Liba Taub

Secretary of the Board and Secretary of the Degree Committee: Ms Tamara Hug

Director of Graduate Studies: Dr Tim Lewens

MPhil Manager and Part III Manager: Dr Eleanor Robson

Part II Manager: Dr Lauren Kassell

Part IB Manager: Dr Nick Hopwood

HPS Board and Degree Committee

Professors and Readers: Professors John Forrester, Nick Jardine, Simon Schaffer, Jim Secord (Chair), Drs Eleanor Robson, Liba Taub

Curator and Director of the Whipple Museum: Dr Liba Taub

Administrative Officer: Ms Tamara Hug

Librarian: Dr Tim Eggington

General Board Members: Professors Michael Akam, Megan Vaughan

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

Elected Senior Members: Dr Elma Brenner, Dr Sachiko Kusukawa, Dr Sadiya Qureshi, Dr Nicky Reeves

Elected Junior Members: Undergraduates: Ciara Drummond (Magdalene) and Alice Pearce (Kings). Graduate: Jenny Bangham (Darwin)

Philosophy Faculty Board

HPS Representative: Dr Tim Lewens

Examiners

NST Part IB History and Philosophy of Science

Senior Examiner: Professor John Forrester

External Examiner: Professor John Dupré (University of Exeter)

Examiners: Dr Alex Broadbent, Dr Kevin Brosnan, Dr Natalie Kaoukji, Dr Sadiya Qureshi

NST Part II History and Philosophy of Science inc BBS History and Ethics of Medicine

Senior Examiner: Dr Tim Lewens

External Examiner: Professor John Henry (University of Edinburgh)

Examiners: Dr Sorin Bangu, Dr Richard Barnett, Dr Vanessa Heggie, Dr Lauren Kassell, Dr Eleanor Robson

BBS Part II History, Ethics and Medicine

Senior Examiners: Vanessa Heggie, Kevin Brosnan

External Examiner: Dr Ulf Schmidt (University of Kent)

MPhil in History, Philosophy and Sociology of Science, Technology and Medicine

Senior Examiner: Dr Sorin Bangu

External Examiner: Dr Greg Radick (University of Leeds)

Prizes, projects and honours

Student prizes

Katharina Kraus was awarded the Thirteenth Annual Jennifer Redhead Prize for the best performance in the essay component of the MPhil.

Jesse Olzsynko-Gryn was awarded the Seventh Annual Rausing Prize for the best performance in the dissertation component of the MPhil.

Dmitriy Myelnikov was awarded the First Annual Lipton Prize for the best performance in the HPS Part III course.

Stephanie Chan and Hannah Darcy were jointly awarded the 2010 Jacob Bronowski Prize for the best performance in the HPS Part II course.

Stephanie Chan was awarded the Fourth 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', Simon Schaffer, Collaborative Project, 1 May 2010 – 30 April 2015, £675,358

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

'Higher, colder, further: extreme physiology and endurance', Vanessa Heggie, Fellowship, 1 January 2010 to 31 December 2011, £45,000

Isaac Newton Trust

'A history of extreme exploration physiology' (matching funding), Vanessa Heggie, Fellowship, 01 October 2009 to 30 September 2011, £46,000

Wellcome Trust

'Medicine and the Making of English Alchemy, 1300–1700', Jenny Rampling, Fellowship, 1 February 2010 to 31 January 2013, £120,757

Wellcome Trust

'The Casebooks Project: Simon Forman and Richard Napier's Medical Records, 1596–1634', Lauren Kassell, Project, 1 January 2010 to 31 August 2013, £398,817

PhG Foundation

'Workshops on Causation and Explanation in Epistemology', Alex Broadbent, Workshops, 1 October 2009 to 31 December 2010, £6,000

Wellcome Trust

'Blood groups between transfusion testing, population genetics and anthropology', Jenny Bangham, PhD Studentship, 1 October 2009 to 30 September 2012, £80,532

Wellcome Trust

'To the Present Age and Posterity', Natalie Kaoukji, Fellowship, 1 October 2009 to 30 September 2012, £112,995

Wellcome Trust

'From Generation to Reproduction', Nick Hopwood et al, Strategic Award, 1 October 2009 to 30 September 2014, £809,675

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.

Seminars and special lectures

Turner Lectures 2010

Trinity College presents the Turner Lectures on the Philosophy of the Sciences. This year's lecturer is **Professor Simon Schaffer (HPS, Cambridge)**. The four lectures will be held in **Mill Lane Lecture Room 1 on Tuesdays at 5pm** in the second half of Lent Term.

'When the stars threw down their spears: histories of astronomy and empire'

16 February Lecture 1: A pattern science

23 February Lecture 2: An antique land

2 March Lecture 3: A disciplined eye

9 March Lecture 4: A world elsewhere

Wellcome Lecture

Angus McLaren (University of Victoria) delivered the fifth Cambridge Wellcome Lecture in the History of Medicine on 3 December 2009 on the subject 'Divorcing sex and reproduction: the discussion of artificial insemination in Britain, 1918–1948'.

Rausing Lecture

Myles W. Jackson (Polytechnic Institute of New York University and the Gallatin School of NYU) delivered the fifteenth Annual Hans Rausing Lecture on 27 May 2010 on the subject 'From scientific instruments to musical instruments: the tuning fork, metronome and siren'.

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

Departmental Seminars in the Department of History and Philosophy of Science organised by Alex Broadbent.

Research Topics and Resources Seminars organised by Nick Jardine and Tim Lewens. (First two weeks of Michaelmas.)

History of Medicine organised by Lauren Kassell and Nick Hopwood.

Cabinet of Natural History organised by Susannah Gibson.

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

HPS History Workshop organised by Alexander Wragge-Morley.

Philosophy Workshop organised by Sacha Golob.

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 Nick Whitfield.

Scientific Images Discussion Group organised by Geoff Belknap.

Astronomical Images organised by Katie Taylor.

Evolution Reading Group organised by Jenny Bangham, Richard Barnett and Caitlin Wylie.

Generation to Reproduction Reading Group organised by Nick Hopwood and Francis Neary.

Latin Therapy organised by Katie Taylor.

Greek Therapy organized by Lydia Wilson.

Kant Reading Group organised by Sasha Mudd (Lent and Easter terms).

Students

Student statistics

Student numbers

| | | |
|-----------------------|---|----|
| Undergraduates | Part II..... | 39 |
| | Part II BBS: History and Ethics of Medicine..... | 20 |
| | Part III..... | 8 |
| Graduates | MPhil..... | 13 |
| | PhD..... | 49 |

Examination results

| | | | |
|----------------|-----------|----|-------|
| Part II | 1..... | 11 | (28%) |
| | 2i..... | 26 | (67%) |
| | 2ii..... | 2 | (5%) |
| | 3..... | 0 | |
| | Fail..... | 0 | |

| | | | |
|--|-----------|----|-------|
| Part II BBS: History and Ethics of Medicine | 1..... | 5 | (24%) |
| | 2i..... | 13 | (62%) |
| | 2ii..... | 3 | (14%) |
| | 3..... | | |
| | Fail..... | | |

| | | | |
|----------------|-----------|----|-------|
| Part IB | 1..... | 9 | (13%) |
| | 2i..... | 34 | (48%) |
| | 2ii..... | 24 | (34%) |
| | 3..... | 4 | (6%) |
| | Fail..... | 0 | |

Graduate degrees awarded

| | |
|-------------------------------|----|
| MPhil degrees awarded..... | 13 |
| Part III degrees awarded..... | 8 |
| PhD degrees award..... | 7 |

Part II essay and dissertation titles

Primary source essays

Paper 1: Classical Traditions in the Sciences

Galileo and the artists of his time: the controversy surrounding his 1610 lunar engravings
An exposition of Greco-Christian lunar and solar imagery in the "ashen light" passages
of *Sidereus Nuncius*

Galileo versus Harriot: asking the right questions about their lunar images

Paper 2: Natural Philosophies: Renaissance to Enlightenment

To what extent does John Pringle's discourse "On the Attraction of Mountains" (1775)
offer us an insight into the awarding of the Copley Medal to Nevil Maskelyne in the
same year?

Pringle's discourse on Cook situated with regard to his other discourses

What does Pringle's discourse on Walsh reveal about the ideals and practice of the
contemporary Royal Society?

Paper 3: Science, Industry and Empire

How did Charles Darwin and Asa Gray manage the issue of guided design in their
correspondence?

How did Darwin use correspondence to recruit and establish authority for his theory of
blushing?

Conversion through correspondence: Charles Darwin and the water cure at Malvern

"I hope that you profit in many ways from what you see in the Institute. - How nice it will
be to have you home again ... I shall have to work you like a Horse": an exploration of
how Charles Darwin and his assistant, secretary and son, Francis Darwin, both
pursued their own scientific agendas

The preservation of reputation in the struggle for the Origin of the Species

The use of politeness and gentlemanly manner in the advance of scientific knowledge

"I don't want to marry him, he's got no nose": Darwin's argument on the importance of
beauty in mankind

Why did Darwin and Owen fall out (whereas Darwin and many of his other critics did
not)? How does correspondence shed light on this question?

Darwin's responses to religion

Darwin and natural theology in correspondence

Darwin and Owen: the nature of the controversy

A man made by Darwin? Alfred Russel Wallace and priority dispute over the theory of
natural selection

A bird drawn by hand is worth two on a branch: Charles Darwin's quest via letters to
obtain accurate illustrations of birds for his work

Consolation in Darwin's correspondence: reassessing the Darwinian response to death

Scientific observer or loving father: the expression of Charles Darwin's relationship to his
son, William, according to different media

Correspondence as evidence in Charles Darwin's *The Expression of Emotion in Man
and Animals*

The green leaf in the bill of Noah's dove: what did the postal system make possible for
Darwin?

Orchids and enemies

Examining Charles Darwin's views on women, with reference to his correspondence with
William and Henrietta Darwin

Appropriating Darwin: the ideological uses of Darwin's "character" in France and Holland
How were Darwin and Wallace able to maintain productive lines of communication in the period 1867-1869?

Interests and the growth of correspondence: the formative years of the relationship between Charles Darwin and Charles Lyell

Paper 4: Metaphysics, Epistemology and the Sciences

Examining the descriptive theory of reference for the refutation of convergent realism

Breaking the impasse: can Ladyman's ontic structural realism cut through Laudan's theory change argument without making the success of science miraculous?

The truth behind scientific realism

Examining Hardin and Rosenberg's response to Laudan: does the approximate truth of a scientific theory require that its central terms refer?

Truth and success

Alternative explanations for the success of science

Mature science and the problem of reference: a criticism of Laudan

Does "selective confirmation" provide realists with an adequate response to the pessimistic induction that emerges from Laudan's paper?

A historical approach to scientific success

Paper 5: Science in Society

An inscription's story: constructed representations that push the world away from the IPCC Fourth Assessment Synthesis Report.

Credibility, trust and the IPCC Report

Why does the IPCC devote so much effort to showing that climate change is anthropogenic?

Applying the experimenters' regress to the IPCC Climate Change 2007 Synthesis Report

Paper 6: History and Philosophy of Mind

The masturbation fabulation: an examination of Foucault's account of the history of masturbation

What is "normal"?

How and why did masturbation become a problem in the late eighteenth and early nineteenth century?

Is there a connection between Foucault's ideas of the convulsion and the masturbating child, and if so, what is it?

Psychiatric instincts and the emergence of psychoanalysis

Michel Foucault's archaeological method: contradictions and the emergence of instinct

What unites the three elements of the abnormal?

Paper 7: Medicine from Antiquity to the Enlightenment

The anatomical and the pornographic in Book IV of Helkiah Crooke's *Microcosmographia*

To what extent can Book IV of Helkiah Crooke's *Microcosmographia* be seen as innovative?

What were the objections to Helkiah Crooke's *Microcosmographia*, and in particular to book four, and how did he justify the publication of the work?

What were the competing arguments about women and the production of seed in Helkiah Crooke's *Microcosmographia* and how do such ideas reflect the position of women in medicine?

How far does Crooke's *Microcosmographia* support Laqueur's theory of a "one-sex model"?

Unstable, unpredictable and dangerous: the woman or the womb?
Are the generative organs of women represented as inferior to those of men in Book IV of Crooke's *Microcosmographia*?

Paper 8: Modern Medicine and Biomedical Science

What forms of evidence did John Snow use to argue for the transmission of cholera through water? Which were most persuasive to his contemporaries?
What is the relationship between John Snow's description of the global origins of cholera and his theory of disease transmission, elucidated from studies in London?
How do Snow's recommendations in the 1855 edition of "On the Mode of Communication of Cholera" reflect his theory of cholera transmission and his choice of evidence?
What can comparative study of Snow's 1849 and 1855 editions of his pamphlet tell us about the role of his hypothesis about the transmission of cholera in his argument?
An analysis of the moral and social presentation of cholera sufferers in John Snow's 1849 and 1855 pamphlets
Compare and contrast John Snow's cholera and anaesthesia publications
Dr Snow and the case of the Broad Street pump: an analysis of John Snow's literary style and its relationship to his argument (in the 1855 pamphlet)
Cholera as a character in John Snow's *On The Mode of Communication of Cholera* (1849 and 1855)
Snow's pamphlets as material culture
Reassessing the role of the "Other Map" in John Snow's 1855 book *On the Mode of Communication of Cholera*
Compare and contrast how cholera is presented by Snow in his pamphlets and by the satirical magazine *Punch*
To what extent does Snow reject miasmatic theories of cholera in the 1849 and 1855 books, *On the Mode of Communication of Cholera*?
What factors shaped the political influence of Snow's pamphlets?

Paper 9: Images of the Science

The mysterious Mr Snow: an historical treasure trail in the Churchill College Archives
Modernism and social realism: history in the "Two Cultures" debate
Aspects of authority
Snow's notion of the morality of science: its contradictions and limitations
Snow, Leavis and the Two Cultures in Africa
The Two Cultures: C.P. Snow as an intellectual
"Jam" and "felicity": Snow and Leavis's debate over the heart of modern civilisation
C.P. Snow: the spiritual son of H.G. Wells
"By training I was a scientist: by vocation I was a writer". Snow's self-positioning in relation to the scientific culture of the "Two Cultures" debate
The "public intellectual" and mass culture in the "Two Cultures" debate

Dissertations

Edward Jenner's cowpox vaccine: a study of the opposition in early 19th-century England

Vegetius's *De Re Militari* as an art of war: an examination of some early modern editions
How can we solve cryptic crosswords?

Rehabilitating the orangutan: a study of the cultures of conservation in central Kalimantan

Animal madness circa 1900: the case of the horse

The justification of terminal sedation

Where does physics end and philosophy begin?

Doctors and nurses – the attitudes of the first British women doctors towards the nursing profession

1660s and 1960s: Puritanism and the Royal Society

Resistance to the rising number of women medical students in Glasgow in the 1960s and 70s

Psychoanalysis in second wave feminism

Epistemic paternalism and medicine

Obstetricians and pain relief in childbirth: 1900-50

What makes a good scientific explanation?

Representations of hospital birth in nineteenth and early twentieth century Britain

Psychoanalysis in critical theory

Galileo's dialogue concerning the two chief world systems

Nicholas Culpepper's *Physical Directory* and the medical marketplace in early modern England

Sir Humphry Davy and the theatricality of science

Images of healing in Babylonian literature

The birth of Louise Brown in the British press

Discovery vs justification: Feyerabend's critique

Against method, or for pluralism

fMRI and the problem of the mind

Changing standards in British military recruiting in the early 20th century – the role of medical officers and medical statistics

The epistemology and sociology of expertise in science

GPs, midwives and the hospitalisation of childbirth in England, 1940-1960

MPhil essay and dissertation titles

Margaret Barker

Essays

Eugenics in the medical press in the early years of the twentieth century (supervised by Vanessa Heggie)

Choice and reproduction: the choice agenda and prenatal diagnosis (supervised by Stephen John)

What is evidence-based medicine and what does philosophy have to offer? (supervised by Tim Lewens)

Dissertation

Layers of meaning: Erasmus Wilson's investigations of nineteenth-century skin (supervised by Anne Secord)

Kristin Buterbaugh

Essays

Placing the image of the medical student suturer within the UK's episiotomy debate of the early 1980s (supervised by Nick Hopwood)

Robin Hill's cloud camera: an analysis of the development of the fisheye lens at Cambridge University (supervised by Liba Taub)

An analysis of astrological medical manuals in England in the late seventeenth century (supervised by Lauren Kassell)

Dissertation

High performance prosthetics for the active male amputee, 1976–1988 (supervised by Vanessa Heggie)

Michael Coxhead

Essays

A close examination of the pseudo-Aristotelian *Mechanical Problems* (supervised by Liba Taub)

Darwin and contemporary evolutionary debate (supervised by Jim Secord)

History, anthropology and the study of witchcraft (supervised by Lauren Kassell)

Dissertation

Reconsidering the pseudo-Aristotelian *Problems* (supervised by Liba Taub)

Alexander Fabry

Essays

Telescopic tracings: astronomy, art and the Varley family (supervised by Liba Taub)

The reference of theoretical terms: the case of the positron (supervised by Sorin Bangu)

Mechanical elephants and clockwork Turks: foreign lands and the Baroque automaton (supervised by Nick Jardine)

Dissertation

Sunspottery: the Kew Observatory and Victorian science (supervised by Nicky Reeves)

Petter (Nils) Hellström,

Essays

White maps of Africa (supervised by Nicky Reeves)

The tree as evolutionary icon – Tania Korats' 'TREE' in the Natural History Museum (supervised by Jim Secord)

Palestine and the politics of DNA (supervised by Nick Hopwood)

Dissertation

Transmutation of the Tree of Life (supervised by James Moore)

Margaret Jack

Essays

A new period in post-war Britain: the normalisation of menstruation in *Growing Girls* (1949) (supervised by Vanessa Heggie)

Environmentalism, Sarah Forbes Bonetta, and the racial constitution of disease in Victorian England (supervised by Jim Secord)

What makes a building fail: the construction of Cambridge University's Interdisciplinary Research Centre in Superconductivity in the late twentieth century (supervised by John Forrester)

Dissertation

"Messages for mothers": breastfeeding and the management of expertise in the World Health Organization, 1977–1985 (supervised by Richard Barnett)

Alexander Jacobs

Essays

The 'physiologies' of Albert Smith (supervised by Jim Secord)

Psychoanalysis and the practice of criminal detection (supervised by John Forrester)

Losing the moon, gaining the solar system: manned space flight and the limits of STS for NASA policy (supervised by Stephen John)

Dissertation

"Manufactories" of attention: discipline, fatigue and reading in late Victorian and early Edwardian elementary schools (supervised by Vanessa Heggie)

Katharina Kraus

Essays

Kant's Transcendental Deduction and the cognitive sciences (supervised by Marina Frasca-Spada)

Putnam's pragmatism and the fact/value dichotomy (supervised by Nick Jardine)

Foucault's epistemology of 'mental illness' (supervised by John Forrester)

Dissertation

Kant's theory of agency (supervised by Onora O'Neill)

Lavinia Maddaluno

Essays

'Toolish and organic: untoolish and inorganic': Samuel Butler on mechanical creation
(supervised by Jim Secord)

Unveiling nature: wonder and the art of deception in eighteenth-century London
(supervised by Nicky Reeves)

Modelling nature: the case of the Whipple Museum's pomological models (supervised by Liba Taub)

Dissertation

Embodied electricians and disembodied electrometers: precision, accuracy and bodily expertise in five models of electrometers at the Royal Society (1765–1797)
(supervised by Nicky Reeves)

Jesse Olszynko-Gryn

Essays

Making 'pregnancy hormones', 1927–43 (supervised by Nick Hopwood)

Genealogy of Cambridge HPS (supervised by John Forrester)

Hormones in the field (supervised by Helen Macdonald)

Dissertation

Animals in the diagnostic laboratory: the rise and fall of living pregnancy tests in Britain and beyond, 1929–1964 (supervised by Nick Hopwood)

Eóin Phillips

Essays

The cultural geography of Hume's *Treatise*: the nature of scepticism in the eighteenth century (supervised by Marina Frasca-Spada)

The Spitalfields Mathematical Society: the boundaries of practising mathematics
(supervised by Nicky Reeves)

The playing cards of Thomas Tuttell (supervised by Patricia Fara)

Dissertation

Paying the astronomer: John Crosley and making an assistant visible (supervised by Nicky Reeves)

Nicholas Tam

Essays

Cube roots: A.H. Frost's model of a magic cube in the Whipple Museum (supervised by Liba Taub)

Mapping the St Lawrence in the Seven Years' War (supervised by Nicky Reeves)

The four-colour theorem and empiricism in computer-assisted proofs (supervised by Sorin Bangu)

Dissertation

The memetic gambit: lessons from chess for conceptual evolution (supervised by Tim Lewens)

Kathryn Ticehurst

Essays

'I cannot reconcile myself to vegetating animals.' John Ellis's attempts to demonstrate the animal nature of zoophytes (supervised by Nick Jardine)

Edmund Selous and his 'bird life glimpses': a study in birdwatching as observation, 1899–1933 (supervised by Helen Macdonald)

Measuring Britons in Barley: a local case study of the British ethnographic survey, 1893–98 (supervised by Jim Secord)

Dissertation

Hunters and gentleman: the naturalist explorers Alfred Russel Wallace and Paul Du Chaillu (supervised by Paul White)

Part III essay and dissertation titles

Shahar Avin

Essays

Should Philip Kitcher's attempt at formalizing science be taken seriously? (supervised by Stephen John)

Do causes make their effects happen?

Is there such a thing as scientific progress?

A philosopher's view of the epistemic interpretation of quantum mechanics (supervised by Jeremy Butterfield)

Dissertation

Finding excellence or making excellence: assessing the Wellcome Trust's investigator awards (supervised by Stephen John)

Rebecca George

Essays

God and medieval science in modern times (supervised by Andrew Cunningham)

How and to what extent have scientifically and/or medically untrained people shaped the history of modern pharmaceuticals?

What was more important in Early Modern experiment: instruments, individuals, or institutions?

Expressing multiple points of view: genres of communication in antiquity (supervised by Liba Taub)

Dissertation

Abortion and devolution in Scotland, 1968–1979 (supervised by Richard Barnett)

Michael Kattirtzi

Essays

Meaning, rule following and social institutions (supervised by Alex Broadbent)

Do causes make their effects happen?

Is there such a thing as scientific progress?

Can the Intergovernmental Panel on Climate Change have knowledge? (supervised by Stephen John)

Dissertation

What is a communitarian account of rule-following good for? (supervised by Alex Broadbent)

Andrew Maddox

Essays

Falsification, demarcation and Intelligent Design (supervised by Tim Lewens)

Do causes make their effects happen?

Is there such a thing as scientific progress?

Darwin's debt to Newton? (supervised by Jim Secord)

Dissertation

Models and demarcation (supervised by Tim Lewens)

Tom Morris

Essays

The bear, the queen and the closet: how to do the historiography of homosexuality (supervised by John Forrester)

How useful is Foucault's theory of disciplinary power for the history of the sciences?

Was Darwin a Social Darwinist?

Environmentalism or ecological imperialism? The origins of conservationism in St Helena, 1650-1750 (supervised by Jim Secord)

Dissertation

Havelock Ellis, John Addington Symonds, and Richard Burton: the early history of English sexology (supervised by John Forrester)

Fiona Mozley

Essays

Transmutation in the late eighteenth century (supervised by Jim Secord)

What was more important in Early Modern experiment: instruments, individuals, or institutions?

Can radically different styles of inquiry coexist in science?

Ian Hacking's historical ontology and critiques of teleological history (supervised by Nick Jardine)

Dissertation

Feminist controversies: Richard Polwhele's 'Unsex'd Females' and its twentieth-century revival (supervised by Patricia Fara)

Dmitriy Myelnikov

Essays

Genome as an ethical entity? Barnes, Dupré and Habermas on genetic manipulation and human dignity (supervised by Adam Bostanci)

What was more important in Early Modern experiment: instruments, individuals, or institutions?

How and to what extent have scientifically and/or medically untrained people shaped the history of modern pharmaceuticals?

Virgin birth crosses the Atlantic: Jacques Loeb's experiments on artificial parthenogenesis in the British press, 1900-5 (supervised by Nick Hopwood)

Dissertation

Transgenic mice as cancer models (supervised by Adam Bostanci)

Anja Saso

Essays

The history and politics of MSF (Médecins Sans Frontières) (supervised by Ayesha Nathoo)

Was Darwin a Social Darwinist?

How and to what extent have scientifically and/or medically untrained people shaped the history of modern pharmaceuticals?

Rethinking informed consent: a discussion of some challenges and constraints (supervised by John Forrester)

Dissertation

The communication strategies of Médecins Sans Frontières: 'Temoignage' and 'Speaking out', 1971–2010 (supervised by Ayesha Nathoo)

PhD theses

Awarded

Salim Al Gailani

'Teratology and the Clinic: monsters, obstetrics and the making of antenatal life in Edinburgh, c.1900'

(supervised by Nick Hopwood)

Michael Bresalier

'Transforming flu: medical science and the making of a virus disease in London, 1890–1930'

(supervised by Nick Hopwood)

Michael Collins

'The primacy of secondary qualities: what representation really has to do with phenomenological consciousness'

(supervised by Marina Frasca Spada)

Bonnie Evans

'Mental Defectives, childhood psychotics and the origins of autism research at the Maudsley Hospital 1913–1983'

(supervised by John Forrester)

Sacha Golob

'Intentionality, Freedom, Method: Theoretical and Practical Philosophy in Kant and Heidegger'

(supervised by Nick Jardine)

Margaret Olszewski

'Designer nature: the papier mache botanical teaching models of Dr Auzoux'

(supervised by Liba Taub)

Jennifer Rampling

'The Alchemy of George Ripley, 1470–1700'

(supervised by Lauren Kassell)

Submitted

Sophia Davis

'Britain an island again: nature, the military and popular views of the British countryside, 1930–1965'

(supervised by Nick Jardine)

David Feller

'The hunter's gaze: Charles Darwin and the role of dogs and sport in nineteenth century natural history'

(supervised by Jim Secord)

Sam Nicholson

'Pessimistic Inductions and the Tracking Condition'

(supervised by Tim Lewens)

Leon Rocha

'Sex, Eugenics, Aesthetics and Utopia in the Life and Work of Zhang Jingsheng (1888–1970)'

(supervised by John Forrester)

Alireza Taheri

'An Analysis of Pathological Forms of Guilt and Aggressivity in the Work of Nietzsche, Freud, Lacan and Laplanche'

(supervised by John Forrester)

Transferable Skillsⁱ

The Department of History and Philosophy of Science, in consultation with Colleges, has identified the ways in which undergraduates and graduates can acquire and develop certain skills and attributes ('transferable skills') throughout their University career. As well as enhancing academic performance, these skills can be used beyond students' university careers and are highly valued by employers. You are encouraged to make use of the opportunities afforded to you to develop those attributes which will stand you in good stead in later life.

As a guide, the University and Colleges have agreed jointly that all undergraduates should graduate with intellectual skills, communication skills, organisational skills and interpersonal skills. Further skills, such as foreign language skills, research skills, computer literacy and numeracy will also be useful to varying degrees for particular career paths.

The following are examples of how skills might be developed by an undergraduate or graduate in History and Philosophy of Science in each of these categories. The list of possible activities is not exhaustive.

- Intellectual Skills
- Communication Skills
- Organisational Skills
- Interpersonal Skills
- Research Skills
- Foreign Language Skills
- Computer Literacy
- Numeracy Skills

Intellectual Skills

Intellectual initiative

Critical reflection

The ability to gather, organise and deploy evidence, data and information

The ability to extract key elements from complex information, including listening in a discerning manner

The ability to identify and solve problems

The ability to select and apply appropriate methodologies

The ability to assess the meaning and significance of information

Analytical, evaluative and critical thinking

Estimation of the relevance of information

Discriminating between opposing theories

Forming judgement on the basis of evidence

The ability to engage in lateral thinking, openness to creative thinking

The ability to marshal arguments coherently, lucidly and concisely

may be developed through University and College activities such as:

- Preparing for and learning in lectures
- Preparing for and participating in supervisions

- Preparing for and writing essays
- Preparing for and participating in seminars and classes
- Preparing for and writing college and University examinations

Communication Skills

The ability to marshal arguments lucidly, coherently, logically and concisely

The ability to present material orally in a clear and effective way, including sensitivity to listeners' perspectives

The ability to present written material clearly and effectively, including sensitivity to the reader's perspective

Attention to detail

Ability to think quickly on your feet

may be developed through University and College activities such as:

- Writing essays and dissertations
- Participating in supervisions and seminars
- Giving presentations on research in seminars
- Participation in competitions. The Department has a range of prizes open to students, details of which can be found in the undergraduate and graduate handbooks
- Organising and performing in plays and rehearsed readings
- Membership of committees, for example the departmental Monitoring Committee and college JCRs
- JCR involvement
- Negotiating the use of Faculty and College facilities
- Writing funding applications (University trust fund and College awards)

Organisational Skills

Self-direction

Self-discipline

The ability to take initiative

The ability to write and think under pressure and to meet deadlines

Management of time and resources

may be developed through University and College activities such as:

- Organising one's own work programme and particularly ensuring that supervision assignments and dissertations are completed on time
- Managing extra-curricular activities to ensure that they complement and do not detract from course-related activities
- Understanding the Tripos structure, Lecture List and timetable and being able to use the information; choosing options
- Membership and Officership of committees and societies
- Organisation of events: entertainment, lectures, excursions, society events
- Participation in Open Days, the Festival of Ideas, etc
- Participation in debates
- Keeping to deadlines set by Department/ College (submission of dissertations, titles and abstracts)

Interpersonal Skills

Working creatively and flexibly with others

Adaptability

Formulating and meeting team objectives

Interacting successfully on a one-to-one basis

Respecting different viewpoints

may be developed through University and College activities such as:

- Developing co-operative learning skills in supervisions
- Participating in class and seminar discussion
- Membership and Officership of committees
- Interaction with a wide range of people, cultures, disciplines
- Participation in college and university politics
- Negotiating use of College and Faculty facilities
- Membership and Officership of societies
- Participation in sporting, drama, musical and debating activities
- Standing for election to membership of the ASNC Society, Faculty Board, College committees and bodies
- Acting as member of the Departmental Committee, College committees and student bodies
- Acting as a student mentor/friend

Research Skills

Bibliographic skills

Practical skills

Palaeographical skills

Writing and presentation skills

may be developed through University and College activities such as:

- Use of University, Faculty and College libraries
- Use of the University, Faculty and College Library catalogues
- Ability to transcribe manuscripts and identify scripts
- Ability to find, read and critically analyse scholarship
- Ability to produce, review and re-write own work
- Use of the Faculty and College computing facilities
- Use of electronic resources
- Use of the internet
- Research Skills courses
- Writing essays and dissertations
- Ability to sift material and locate relevant or important aspects efficiently

Foreign Language Skills

such as:

Reading primary and secondary materials in other languages

Speaking/conversing in a foreign language

Writing in a foreign language

may be developed through University and College activities such as:

- Ancient Greek and Latin classes for non-classicists
- German classes from the Pressland Fund (for Natural Sciences students)
- Translation for coursework
- Reading scholarship in other languages
- Membership of language clubs and societies
- Conversation with students from other countries in the Department and College
- Opportunities to attend courses and take diplomas/certificates offered by the University
- Use of the Language Centre

Computer Literacy

Use of word processing

Use of spreadsheets and databases

Use of the internet and e-mail

Facility/aptitude for programming

may be developed through University and College activities such as:

- IT and Research Skills Course
- Use of College and Faculty Computing facilities
- Use of College and Faculty web sites for gathering information on courses, events, deadlines, timetable
- Using the internet for research
- Using e-mail for communication with other members of the College and University
- Use of the University and College Library catalogues
- Use of electronic resources such as LION and JSTOR
- Using mailing lists and news groups to post or gather information
- Use of college on-line library catalogue and other on-line learning resources
- Writing essays and dissertations on word-processors
- Designing databases for dissertation research

Numeracy Skills

Knowledge and use of statistical techniques

Basic financial transactions

may be developed through University and College activities such as:

- Statistical analysis of data as part of dissertation research
- Involvement in financial activities of clubs, societies and committees
- preparing comprehensive budget breakdowns for trust fund applications
- managing budgets for student society activities

Other information

If you would like more advice about acquiring these kinds of skills, contact your Director of Studies or the Director of Undergraduate Studies. Further information is available through the following University web-pages:

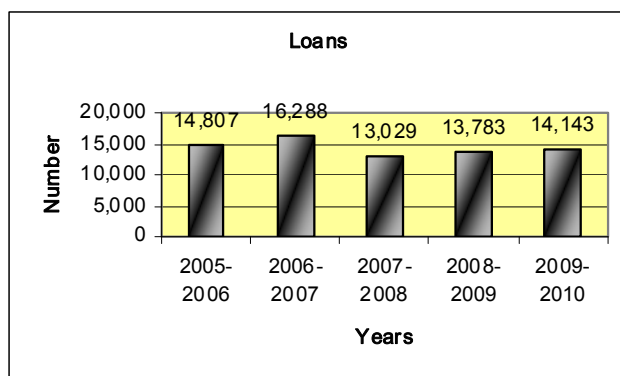
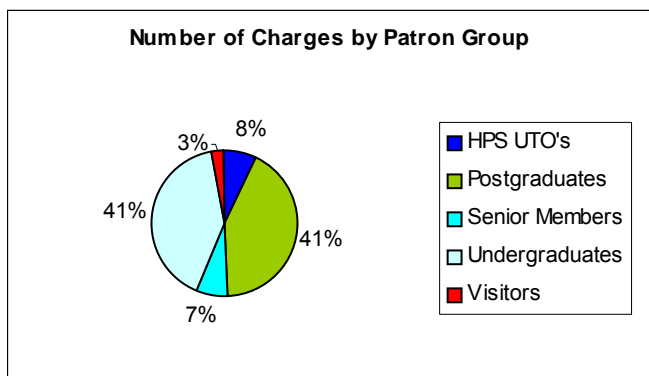
- [Cambridge Undergraduate Transferable Skills Web Site](#)
Developed by [CARET](#).

The Library

An increase in student numbers helped to make this a busy and interesting year. Readers have continued to enjoy the new library and, in particular, its diverse study spaces. In addition, Library users have benefited from unprecedented availability of HPS related e-resources as well as increasing open-shelf access to Whipple Library books which were formerly in the store. Apart from day-to-day activities, Library tasks this year have included reorganising storage spaces, enhancing special collections web pages and rare book conservation. This year the Library has been staffed by Tim Eggington (Librarian) and Dawn Moutrey (Library assistant).

Reader statistics

Despite the escalating availability and use of electronic resources, the year saw an increase in book loans (14,143 items compared with 13,783 last year). Postgraduate and undergraduate loans were up by 7% and 14% respectively, reflecting the year's increase in students. 220 Store requests were made compared with 219 last year.



Top five most borrowed books

| Charges | Shelf mark | Book |
|---------|--------------------|--|
| 67 | L3.DEA 3 S7.MOR | P. Dear, Revolutionizing the sciences |
| 48 | 1 W7.BYN | I Morus, When physics became king W.F. Bynum, Science and the practice of medicine in the nineteenth century |
| 43 | 2 L3.BOW | P. Bowler, Making modern science |
| 43 | 1 | International Colloquium in the Philosophy of Science ((1965 : Bedford College)) Criticism and the growth of knowledge |
| 40 | IA.LAK 1 | |

Electronic Developments

Electronic access to core teaching materials increased significantly this year with the digitisation by the Library of all MPhil required readings, made available by David Thompson via CamTools. The Library also offered this service for undergraduate course materials, where compliant with copyright requirements. We hope to promote this possibility further over the coming years in order to provide increased electronic access to teaching resources for our students.

Similarly, following requests from the Department, the ebooks@cambridge collection of ebooks has now built up a significant number of texts on HPS reading lists. This now forms an integral part of our provision and constitutes a welcome development both for students and for the Whipple Library books budget. A regularly updated website of HPS ebooks is now accessible via the ebooks section of the Whipple Library website.

Further Whipple journal subscriptions became available online this year whilst some significant enhancements were made to the provision of HPS-relevant electronic resources by the UL. Foremost amongst these were the following (links available on the Whipple Library web pages):

The International Bibliography of the Social Sciences (IBSS)
Hume Studies from 2008.
Earth sciences history
American Philosophical Quarterly
1964-2006 (back issues on Jstor).
Nuncius: Annali di Storia della Scienza
Galilaeana: Journal of Galilean Studies

Journals

The Library benefited from the School's membership of the University's Journals Coordination Scheme, now in its second year. Approximately a third of Whipple journal subscriptions are included in the scheme, thereby achieving a substantial cost saving owing to the fact that Whipple journals in the scheme are paid at 2008 prices (the scheme pays subsequent inflationary increases). The Whipple Library continues to subscribe individually to those journals not included in the scheme. In total we now subscribe to 83 periodicals (including those in the JCS) 71 of which are also available in electronic form.

New acquisitions

The Library's holdings now stand at 42,481 books and pamphlets.

The following rare book acquisition was made: Jeffrey, Francis Jeffrey, Lord, 1773-1850. *The Craniad: or, Spurzheim illustrated. A poem, in two parts* (Edinburgh: Printed for William Blackwood; and T. Cadell and W. Davies, London, 1817)

The Library benefited 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.

Transfers from store into the new library

This year the Library completed its project, began last year, to transfer post-1900 books from library stores and cupboards to the open shelves. This was made possible by the increase in space provided by the new library. Another 1000 books have been transferred this year. These were reclassified, relabelled and, where necessary, re-

catalogued. The increased open access to the Whipple's collections (especially, its important collected editions) has constituted a huge enhancement to the Library and has been widely appreciated by users.

Conservation of rare books

10 Whipple Library rare books received professional conservation treatment over the summer. Following advice given by Alan Farrant, Head of Conservation at the University Library a selection of books was chosen and an appropriate plan for conservation established. The work was assigned to Cambridge Colleges Conservation Consortium (based at Corpus Christi) an organisation set up to undertake rare book and manuscript conservation treatment for Cambridge colleges. CCCC staff visited the Whipple and submitted a lengthy report detailing how they proposed to proceed. In order to help finance the work matching funding was sought and provided from the Prism Trust. The following books were included:

- (1) 95:50 Apian, Peter, 1495-1552, *Cosmographia*, (1584);
- (2) 70:5 Newton, Isaac, Sir, 1642-1727, *Philosophiæ naturalis principia mathematica* (1687)
- (3) CR 8:46 Hulsius, Levinus, d. 1606, *Theoria et praxis quadrantis geometrici* (1594)
- (4) CR 11:3 Plat, Hugh, Sir, 1552-1611?, *The jewel house of art and nature* (1653)
- (5) 20:5 Kepler, Johannes, 1571-1630, *De stella nova* (1606)
- (6) CR 9.21 Leybourn, William, 1626-1716, *Leybourn's Dialling improv'd* (1728)
- (7) 18:15 Leybourn, William, 1626-1716, *Panorganon* (1672)
- (8) CR9:12 Leadbetter, Charles, fl. 1728. *Mechanick dialling* (1756)
- (9) 37:13-14 Schott, Gaspar, 1608-1666. *Technica curiosa* (1687)
- (10) CR11:35-6 Schott, Gaspar, 1608-1666. *Organum mathematicum* (1668)

We are most grateful to the Prism Trust for assisting us in undertaking this important work.

Rare book store

During the course of this year environmental conditions in the library rare book store have been monitored by David Barnard, the University of Cambridge Energy Officer. This followed concerns that temperatures vary greatly in the store, especially when central heating comes on in the winter months. Following David's findings it was agreed that the central heating pipes that run through the store should be relagged and recased. This has now been done.

Links with the UL

The Library has continued to develop links with University Library collection managers in order to ensure that HPS book suggestions the Whipple is unable to afford are purchased by the UL. This is bringing about a welcome degree of coordination between the collection development of the two libraries. In particular, following consultations between the Department and David Lowe (Head of European Collections), the UL Accessions Committee have agreed to subscribe to important collected editions of Rudolf Virchow and Lazzaro Spallanzani. These constitute important additions to the University's HPS-relevant collections and we were grateful to David Lowe and his staff for raising money to make this possible.

Following a request by David Lowe a number of HPS UTOs had kindly provided him with lists of key European Language HPS authors to be acquired by the UL.

Whipple Rare Books

Using the left-over cases from last year's Darwin display, Dawn Moutrey curated an exhibition entitled: 'Adventures in the unknown: mesmerism, spiritualism and the supernatural'. Comprising 19th and early 20th century books, the display showed how even in the "age of science" scientists and the general public retained a keen interest in the unknown. Authors included David Brewster, Johann Carl Friedrich Zollner, Alfred Russel Wallace and others. A web page of the exhibition can be accessed from the Whipple Library special collections web pages.

Additional enhancements have been made to Whipple special collections webpages this year through the inclusion of further online exhibitions and a featured book section (a picture from the most recent featured book is usually displayed on the Library homepage). Recent featured books have included James Stephens' *Catalogue of British Insects* (1829), Peter Apian's *Cosmographia* (1584) and Francis Willughby's *Ornithology* (1676). We are grateful to students for their assistance in creating some of these and are keen to encourage participation by staff and students in future displays.

Visits to the Whipple Library

In March a group of Cambridge Trainee Librarians visited the Whipple Library as part of their structured programme of events. After a tour of the library, tea was served in the Old Library and they were given a brief talk about the Library and recent projects associated with it.

In June the Cambridge Bibliographical Society held its annual meeting in the Whipple. Following the meeting, tea was served. Members were then guided around the new library and shown a display of Whipple Library music and astronomy books.

Whipple Library special collections on Copac

Although the holdings of Cambridge University Library have long been included on Copac, the holdings of other Cambridge libraries have not. The Whipple has been the exception in having a small proportion of its special collections data searchable via Copac. As part of an initiative set in train by a Libraries@Cambridge 'Working Group on Broadening Access to Special Collections' it was agreed last year that all Cambridge special collections records should be included on Copac (where of an adequate bibliographic standard). Following from this the Whipple special collections were reloaded over the summer making all of our special collections available on Copac for first time.

Secondment to the Rare Books Department

Dawn worked in the UL Rare Books Department three mornings a week during January and February. This involved helping process two newly acquired collections, including cataloguing 19th-20th century Montaigne books. Dawn also completed the 'Cam23 things Web 2.0 Programme' over the summer.

The Museum

Special Projects

Gallery Development

Refurbishment of the Main Gallery

In late 2009, the DCMS/Wolfson fund awarded a grant of £60,000 to the Whipple Museum for an upgrade of the display cases in the Main Gallery. This fund (partly supported by the Department of Culture, Media and Sport, partly supported by the Wolfson Foundation) has an aim to distribute '£4 million a year to improve the quality of displays, public spaces, environmental controls and disabled access in museums and galleries across England'. For the Whipple Museum, the grant was much needed to ensure that the Main Gallery cases comply with contemporary security and environmental standards. Furthermore, the refurbishment represents a unique opportunity to refresh and strengthen the displays in the gallery.

After an initial series of consultations with a selection of firms, The Exhibition Factory was commissioned to undertake the work. With previous experience in venues such as the British Museum and the Museum of London as well as smaller museums such as the Sutton Hoo visitor centre and Highclere Castle, The Exhibition Factory came highly recommended and offered value for money.

The brief was to construct new cases along two sides of the gallery, and to refit the embedded cases of a third side. The new wall cases will have a greater display capacity than the old cases and be more secure. They will have a colour and design in keeping with the character of the room, a hall that is nearly 400 years old, with a distinctive Grade II listed hammer-beam roof.

The Exhibition Factory built two prototypes, each with different lighting types. These were put on display in the Main Gallery, allowing focus groups to assess them and make suggestions. The response to the prototypes was generally very positive and, with only a few minor adjustments to the design, work in the gallery itself commenced in August.

Unfortunately, due to the discovery of asbestos within insulation panels at the rear of the gallery, work was temporarily put on hold in September. This asbestos has now been safely removed and the refurbishment is due to be completed soon, allowing the museum to re-open early in 2011.

Removal of the spiral staircase

The Whipple Museum has undergone much redevelopment in recent years. In 2006 new staircases and a lift were built at the rear of the museum to link galleries on all levels more effectively and to increase disabled access to the museum. One consequence of this has been to render obsolete the spiral staircase that had originally linked the *discover* and Upper Galleries. In May 2010, this staircase was removed to increase display space in both galleries. The removal process involved the temporary closure of the Museum and the de-installation of objects from the Upper Gallery.

Improvements in the New Gallery

This year has also seen further development of the New Gallery. Electrical and network points were installed, improving the space for seminars and workshops. In addition, several cases were moved from the Reserve Gallery to the New Gallery, making room for new high-density storage that has recently been purchased for the Reserve Gallery and increasing the display capacity of the New Gallery

The Science of Musical Sound Project

In 2010, The Science of Musical Sound project entered its final year. This project was launched in 2007 with the help of a grant from the Newton Trust. Details on the many events that formed part of this project during the past year are described below.

Exhibitions

The Acoustical Experiments of Lord Rayleigh

It is the 350th anniversary of The Royal Society on 30th November 2010. As part of the celebrations, the Society has been engaged in partnerships with various institutions across the country in order to promote 'local heroes of science'. The Whipple Museum, informed by its Science of Musical Sound (SMS) project, chose Lord Rayleigh to be its 'Local Hero'. Rayleigh's extensive involvement in the University of Cambridge (as student and Fellow of Trinity College and Chancellor of the University), together with his work in the science of acoustics (the focus of the SMS project), made him an ideal choice.

Initiated by Torben Rees, former SMS research associate, the exhibition involves the display of homemade apparatus from Rayleigh's workshop at Terling Place, Essex. These objects, involved in many of Rayleigh's seminal experiments, have not previously been on display. Indeed those objects that had remained at Terling have barely been handled since Rayleigh's death in 1919.

Derek Scurl, Torben's successor as a project researcher, finalized the loan of apparatus direct from Terling Place, while Sarah Robertson arranged the loan of further apparatus from the Science Museum. The Royal Society provided a grant that was partly used to fund the conservation of the objects loaned by the Science Museum. Museum staff also received advice and assistance from Cambridgeshire County Conservator, Deborah Walton, in order to clean the objects that have been loaned by the current Lord Rayleigh from Terling Place; Emma Perkins helped to prepare these objects for display.

With significant contributions from Derek Scurl, Professor E.A. Davis, Steve Kruse, Vashka dos Remedios and Liba Taub, the exhibition presents an accessible summary of Rayleigh's life and achievements, with particular focus on his acoustical experiments. These experiments formed the backbone to his writing on the subject, much of which remains relevant in the field of acoustics to this day.

Darwin's Microscope

Darwin's microscope (Wh. 3788) was on special display from July 2009 until the end of January 2010, in the New Gallery, to coincide with other events to mark the Darwin anniversary.

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 which also helped to verify the theory. Darwin's microscope, and the manuscript documents that accompany it, were the centrepiece of a wide-ranging display at the Whipple Museum that surveyed two centuries of engagement with Darwin and evolutionary ideas.

The exhibition also featured a display of rare books related to evolutionary ideas from the decades before the publication of *The Origin of Species*, as well as material related to the early history of the Darwin Correspondence Project. Visitors were 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.

You can learn more about Darwin's microscope in the Whipple Museum's *Explore* website (<http://www.hps.cam.ac.uk/whipple/explore/microscopes/darwinsmicroscopes/>)

Globes

The Globes exhibition in the Upper Gallery was very popular with visitors. Originally conceived as a temporary exhibition, we are now planning for it to become a more permanent display of the Whipple's diverse collection of terrestrial, celestial, lunar and Martian globes. In the past year we have received advice from Cambridgeshire County conservator on how best to preserve these objects in the display environment, and will soon be installing black-out blinds as further protection against UV light. In the new year, we will begin fund-raising for new cases to display our fine collection of globes.

Outreach Projects

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 [<http://www.renaissance-east.org.uk/>]:

Baroque at the Whipple

On 22nd September 2009, the Main Gallery was the setting for an evening of Baroque music played by the Elsworth Baroque Trio. Established local musicians Patrick Welche (flute and recorder), Antony Copsey (violin) and Michael Taylor (harpsichord) performed on period-correct instruments to a crowd of over 70 visitors. The programme included music by Handel, Leclair, Telemann and Bach (J.S. and C.P.E)

Visitors also had the unusual opportunity to wander around the galleries outside normal opening hours. The combination of music with the chance to view the collection proved very popular. For some, the performance was central, for others it formed an entertaining backdrop for their more general exploration of the museum.

This event formed part of the Whipple's 'Science of Musical Sound' project.

Festival of Ideas

It was a series of literary events that marked the Whipple's contribution to the Festival of Ideas. Whether it was investigating how Darwin's 'big idea' inspired poets, or using the Museum's own objects to encourage the creation of new writing, these events explored writers' responses to various aspects of science.

From the 19th to the 22nd October, Kelley Swain, the Whipple's writer-in-residence, became the 'Poet in the Parlour'. Her temporary home for these four days was the Victorian Parlour, ever popular with visitors (especially younger ones) for its evocative surroundings and hand-on exhibits. Kelley was available to talk about literature and science and had a selection of books with her that visitors could browse. As well as being a valuable resource for interested members of the public, the 'Poet-in-the-Parlour' found time to work on her own writing as well.

Next, on the 22nd October, the Whipple hosted the event 'Darwin's Bards: Poetry after Darwin'. John Holmes from the Department of English & American Literature, University of Reading, gave a reading from his book *Darwin's Bards: Poetry in the Age of Evolution*. This book explores how poets have responded to Darwin's big idea—natural selection—and how poetry can help us to feel and understand what it means to live in a Darwinian universe.

Finally, on the 29th, Kelley Swain, Katy Price and Melanie Keene hosted a Creative Writing workshop entitled Object Stories. Guests had the chance to closely investigate some attractive museum objects and participate in readings of poetry and prose based on single objects. Three objects from the collection were chosen for this event: a botanical teaching model of a black mulberry (Wh.5765), a navicula (or ship-shaped dial) (Wh.0731), and a 'jigsaw' model globe (Wh.4608). Kelley, Katy, and Melanie were on hand to help with the creation of original creative writing inspired by these items.

Live at the Whipple

On the 2nd December, Mike Coxhead and Jono Cary of the band Boy Mandeville, performed an intimate set of rock, reggae, pop and original tunes in the Whipple's Main Gallery. This was an informal event, which again allowed the 22 attendees to browse the collection outside of our usual opening hours.

Twilight at the Museum

At 4.30pm on 17th February 2010 the lights were dimmed for Twilight at the Museum. Armed with torches, visitors (especially the very young) enjoyed an unusual and atmospheric experience. A trail focusing on the theme of outer space led visitors around the galleries towards a secret codeword written in UV ink hidden somewhere within the museum. If they were successful in finding the codeword, they could claim a prize from one of the Whipple staff members.

A Herschel Trio: Astronomy, Biography and Music

Bringing together the Science of Musical Sound project, the writer-in-residence, and the astronomer responsible for the creation of one the Whipple's most iconic objects, *A Herschel Trio* took place on Wednesday 3rd February 2010 in the Main Gallery.

William Herschel is largely famous for his contributions to astronomy, including the discovery of Uranus. However, he was also a musician and composer of symphonies, concertos and sonatas. Dr Michael Hoskin, Fellow and Past President of Churchill College, Emeritus Fellow of St. Edmund's and Former Head of Department of HPS, gave a biographical introduction, Kelley Swain read from her upcoming novel *Double the Stars: The Life and Adventures of Miss Caroline Herschel*, and there were performances of Herschel's oboe concerto in Eb and trio sonatas. The performers were Camilla Haggett, Michael Taylor, Ashley White, Jamie Conway, Bonaire Le, Carissa Sharp and Thomas Maschberger.

The evening was an enormous success, with 51 people attending.

Cambridge Science Festival

In March, the Whipple held two talks as part of the Cambridge Science Festival, both associated with the SMS project.

On the 10th, Dr Christopher Hicks of CEDAR Audio Ltd gave a talk entitled 'O the noise, noise, Noise, NOISE!' on the characteristics of noise, noise reduction, and current digital techniques. Using cutting edge technology to illustrate the problems of and solutions to unwanted noise on recordings, Christopher ran through examples from the worlds of music and surveillance. The tone was largely informal and much interesting discussion was generated. 26 people attended.

The following week, on March 17th, Prof. Jim Woodhouse of the Dept. of Engineering explored some of the ingenious ways in which tuned instruments have been designed. Entitled 'When is a structure a musical instrument? Adventures in tuned percussion', the principles he outlined were demonstrated by members of the Panic Steel Band on their steel pans. This event attracted 36 people.

The Whipple Museum was also open on Saturday March 20th, maintaining its tradition of opening for one Saturday during the festival. Visitors who could not usually get to the Whipple during the week had an opportunity to view the collection, and the opening, as ever, was particularly popular with families. Younger visitors ensured that the handling collection was well used and there were queues in *discover* for the interactives. Again, the SMS project featured, with visitors given the opportunity to make their own panpipes.

Claire Wallace, Steve Kruse, Jenny Fox, Sarah Robertson, Derek Scurll, Ruth Horry, Caitlin Wylie and Susannah Gibson all volunteered their services. 440 people visited the museum during the day.

Passport to Museum Treasure

On 10th July, as a follow-up to last year's extremely successful 'Cambridge Collectors Cards', the 'Passport to Museum Treasure' was launched. Produced with younger visitors in mind, participants were provided with a 'passport' containing an entry for each of the Cambridge University Museums and a question relating to a particular object or 'treasure' in the collections. Participants were then encouraged to visit the museums, locate the treasure and fill in the answer to the relevant question. Answering at least five questions entitled visitors to a goody bag full of prizes that related to the Cambridge Museums. The Whipple's 'treasure' was the astronomical compendium made by Ulrich Klieber in 1605 (Wh.1711), displayed in the *discover* Gallery.

Due to the Main Gallery refurbishment, the Whipple Museum was closed for some of the time that the 'Passport' was active. However, we made sure that the object was accessible to the public via the 'Explore' part of the museum website.

Other Events

Rausing Lecture

On the 27th May 2010 the Department's Fifteenth Annual Hans Rausing Lecture took place at the McCrum Lecture Theatre. It was entitled 'From scientific instruments to musical instruments: The tuning fork, metronome and siren' and delivered by Professor Myles Jackson, Dibner Family Professor of the History and Philosophy of Science and Technology at the Polytechnic Institute of New York University. With the help of Derek Scurl and Steven Kruse, one of our Sirens (HC15) was used in demonstration.

Two Book Launches at the Whipple

On March 5th, the New Gallery was the venue for the launch of Dr Catherine Eagleton's new book, 'Monks, Manuscripts and Sundials: The Navicula in Medieval England'.

Later in the year, on the 16th June, the publication of Dr Andrew Cunningham's book 'The Anatomist Anatomis'd: An Experimental Discipline in Enlightenment Europe' was celebrated in the Main Gallery with an evening drinks launch.

Special Visits

The Whipple was host to the annual meeting of the Scientific Instrument Society on 23rd July.

There were two visits from the Horological Society on the 23rd and 25th June. Both groups were particularly interested in the two astronomical regulators in the Main Gallery (Wh.2800 and Wh.2801), and—under the supervision of Whipple staff—had a chance to look at their workings. Brian Jackson, horological expert, was on hand to answer questions.

On 9th September, a group of 15 map curators visited the Whipple, and were escorted around the Globes exhibition. Several items, including our new tectonic globe (Wh.6383) and slate globe were put on display especially for the visit.

The new Vice-Chancellor, Professor Sir Leszek Borysiewicz, paid a special, brief, visit to the Museum on 14th October.

Television Appearances

In late September 2009 the BBC programme 'Beautiful Minds' was partly filmed in the Whipple, using the museum's extensive Astronomical exhibits as visual aids in its profile of the astrophysicist Jocelyn Bell Burnell.

Jim Secord was interviewed by CBS on the subject of Darwin on 15th January in the New Gallery. The Darwin's Microscope exhibition proved a suitable backdrop for this interview, which coincided with the U.S. release of the film 'Evolution'.

On 5th February an interview was filmed in the Main Gallery to contribute to an episode of the long-running BBC programme 'Songs of Praise'. This was a special episode that celebrated science to mark the 350th anniversary of the Royal Society.

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 Paper 1. 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.

Visits from other HE institutions:

ARU visit

On the 21 October 2009, Paul Jackson (Head of the Music Department, Anglia Ruskin University) brought a group of students to the HPS department for a seminar led by Derek Scurl, as part of the SMS project. The students were a mix of third-years studying for a BA in music and a BA in creative music technology. Using objects from our main collection—including Lissajous tuning forks (Wh.6229) and a glass Helmholtz resonator (Wh.6268)—and objects from our handling collection, Derek illustrated some basic acoustical principles.

Stenden visit

On the 15th April, students from Stenden University Marketing masters degree programme were invited to give suggestions for a hypothetical re-branding of the Museum as part of their visit to the UK. Dr Niall Caldwell (London Metropolitan University) worked with these students.

Student and Staff Research

Going Global

On February 12th a public half-day workshop relating to globes was held in the New Gallery, featuring talks by post-graduate students who have studied globes in the Whipple collection, and by the globe conservator Sylvia Sumira, who discussed the recent work she has carried out on several globes held by the Museum. The talks are listed below:

| | |
|--------------------|---|
| Katie Taylor (HPS) | 'Mogg's Celestial Sphere (1813)' |
| Emma Perkins (HPS) | 'An exploration of a 17 th century terrestrial globe held in the Whipple collection' |

Joshua Nall (HPS)
controversy?’

‘What can Mars globes tell us about the canal

Sylvia Sumira (Conservator) ‘Conservation treatment of globes at the Whipple’

During February half-term holiday, we also encouraged young visitors to the museum to ‘Make your own globe’. They could drop in to the New Gallery and decorate their own polystyrene globe. This proved so popular that we ran out of the globes on more than one occasion.

MPhil Essays and Theses

Rebecca Buterbaugh Investigation of the invention and development of the “fish-eye” lens in Cambridge in the early 20th century (Wh.1635)

Alexander Fabry Telescopic Tracings: Astronomy, Art, and the Varley Family (Wh.0069)

Lavinia Maddaluno Modelling nature: the case of the Whipple Museum’s pomological models (Wh.6267)

Nicholas Tam Cube roots: A.H. Frost's model of a magic cube in the Whipple Museum (Wh.1251)

Publications

The December 2009 issue of *Studies in History and Philosophy of Science, On Scientific Instruments* (Volume 40, Issue 4, pages 337-438 (December 2009), was guest edited and introduced by Liba Taub, Director and Curator of the Whipple Museum. Amongst those articles included in the special issue were the following, contributed by students and former members of the Department of History and Philosophy of Science:

Katie Taylor ‘Mogg’s celestial sphere (1813): the construction of polite astronomy (Wh.5620)’
Studies in History and Philosophy of Science, 40(4), p. 360–371

Salim Al-Gailani ‘Magic, science and masculinity: marketing toy chemistry sets’
Studies in History and Philosophy of Science, 40(4), p. 372–381

Boris Jardine ‘Between the Beagle and the barnacle: Darwin’s microscopy, 1837–1854’
Studies in History and Philosophy of Science, 40(4), p. 382-395

Robin Wolfe Scheffler ‘Interests and instrument: a micro-history of object Wh.3469 (X-ray powder diffraction camera, ca. 1940)’
Studies in History and Philosophy of Science, 40(4), p. 396-404

Kemal de Soysa ‘An unusual silver celestial planisphere in the Whipple Museum’
Studies in History and Philosophy of Science, 40(4), p. 421-430

Additionally, the following, related to museum work, were also published:

Liba Taub and Ruth Horry 'At the sign of the 'Laboratory of Physical Chemistry': Preserving and presenting histories of chemistry at Cambridge', *Spaces and Collections in the History of Science: The Laboratorio Chimico Overture*, M.C. Lourenço & A. Carneiro (eds), Museum of Science of the University of Lisbon, 2009, 191-201.

Liba Taub Review of Görel Cavalli-Björkman and Svante Lindqvist (eds), *Research and Museums (RAM): Proceedings of an International Symposium in Stockholm, 22-25 May 2007* (Archives of the Nobel Museum 11, Nationalmusei skriftserie N.S. 20). Stockholm: National Museum Stockholm, The Nobel Museum, 2008. Nuncius 2009.2

Grants and Donations

DCMS/Wolfson Grant

As mentioned above, the DCMS/Wolfson fund awarded the Whipple £60,000 for the improvement of cases in the Main Gallery in late 2009.

Other Donations

We thank Anita McConnell for her continuing contribution.

Staff News

It was a year of changes for the Whipple Museum. In January 2010, Claire Wallace joined the staff as Chief Museum Assistant. Sarah Robertson left in March 2010 to become Curator of the Stained Glass Museum in Ely. Steven Kruse then moved from General Assistant to Senior Museum Assistant.

Karina Rivadeneira left her post as Museum Attendant in June. Vashka dos Remedios (a former HPS Part 2 student) temporarily worked in this position over the summer, before entering the Part 3 course. Alison Smith took up the attendant position on the 15th September.

Boris Jardine returned to work in the Whipple Museum part time.

Doctoral students Ruth Horry, Josh Nall and Emma Perkins continued to help in the Museum on a part-time basis.

Training

Ongoing throughout 2010:

The *MAGIC3 (Museums and Galleries in Cambridge)* project attended by Steven Kruse. Designed to improve relationships between schools and museums in Cambridge, and to increase staff skills in outreach and education.

26 May 2010

Project management. Run by the University of Cambridge and attended by Claire Wallace to increase her skills in managing the Main Gallery refurbishment.

Loans

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.

Loans out

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 Tintometer, by J.W. Lovibond Ltd and box of tintometer slides, 20th & T338 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

Yale Centre for British Art

Compass and Rule: Architecture as Mathematical Practice in Early Modern England, 25th January – 18th June 2010

- Wh.0446 Wooden carpenter's rule

Captain Cook Memorial Museum, Whitby

Northward Ho! A Voyage towards the North Pole 1773 March 2010 – October 2010

- Wh. 0684 Refracting Telescope
- Wh. 1081 Sextant

Loans in

Science Museum

The Acoustical Experiments of Lord Rayleigh, 20th May 2010 – 2nd June 2011

- 1930-407 Instrument for measuring the intensity of vibration in the air
- 1930-418 Zinc Bell
- 1930-452 Apparatus for the investigation of the perception of sound direction
- 1930-445 Apparatus for demonstrating the interference of sound waves
- 1930-443 Horn with elliptical section
- 1930-444 Horn with elliptical section

Terling Place

The Acoustical Experiments of Lord Rayleigh, January 2010 – June 2011

- Phonic wheel apparatus
- Glass bottle with dried peas
- Electrically maintained tuning fork
- Singing flame apparatus
- Wooden box of bird calls
- Acoustic interference/iridescence analogue equipment
- Self-portrait (glass slide)
- Timpani and iron stand
- Metronome
- Helmholtz resonator and sounder
- Siren
- Stroboscopic cylinder
- Boys apparatus

Cavendish

The Acoustical Experiments of Lord Rayleigh May 2010 – November 2010

- Portrait of Lord Rayleigh for Rayleigh Exhibition

New acquisitions

- 6373 Electmrite portable electrocardiograph (a.k.a ECG); Cambridge Instrument Co.; Cambridge, England; 1950
- 6374 'Transrite III' portable electrocardiograph (ECG); Cambridge (Instrument Co.); India; c. 1963.
- 6375 'Transrite' portable electrocardiograph (ECG); Cambridge Instrument Co.; England; 1957
- 6376 Portable electrocardiograph (a.k.a ECG); Cambridge Instrument Co.; England; 1948
- 6377 Equipment to measure non-nutritive sucking of infants; Medical Psychology Unit, Cambridge University; 1970s
- 6378 Equipment to record parent-child social interaction and child behaviour; Medical Psychology Unit, Cambridge University, 1965-1970s
- 6379 Mathematical string model of a hyperboloid, Italian, c.1900, by 'AR'
- 6380 Terrestrial globe with mechanical rotation & satellite mechanism, by Nystrom, U.S.A. 1966
- 6381 McFarlane's Calculating Cylinder, Scottish, circa 1835
- 6382 Astronomical Rotula by George Margetts, circa 1763
- 6383 "Tectonic Globe of the Earth" by Kurt Ziesing, 1972
- 6384 Uncut celestial globe gores, c.1800 (two sheets, framed)

- 6385 Book: S. Warren Carey, Continental Drift: A Symposium (Hobart: University of Tasmania, 1959)
- 6386 Set of ten painted plaster models of horses' teeth by Richard Lawrence, London, mid 19thC
- 6387 Brass folding square, French, c.1800

Individuals

Annual reports of members of the Department

Salim Al-Gailani

Salim Al-Gailani successfully defended his doctoral thesis, 'Teratology and the clinic: monsters, obstetrics and the making of antenatal life in Edinburgh, c.1900', in August 2010.

Publications

Articles in journals

'Teratology and the clinic: John William Ballantyne and the making of antenatal life', *Wellcome History* 42 (2009), 2–4.

'Magic, science and masculinity: marketing toy chemistry sets', *Studies in History and Philosophy of Science* 40 (2009), 372–381.

Lectures, seminars and conferences

November 2009

'Pathology, public morals and politics: expectant motherhood in early 20th-century Edinburgh', *Foetal Fortunes Symposium*, University of Glasgow

December 2010

'Pregnancy, pathology, public morals: making antenatal care in early 20th-century Edinburgh', *Life Cycles Seminar*, Institute of Historical Research

March 2010

'Salvation through motherhood: pregnancy & pathology in early twentieth-century Edinburgh', *Perspectives on Modern Maternal Health and Healthcare, c.1850-2000*, Glasgow Caledonian University

Debby Banham

At the beginning of the academic year Debby was made an Affiliated Lecturer in the Department of Anglo-Saxon, Norse and Celtic (where she was trained), and Director of Studies in that subject at Lucy Cavendish College (no students to direct at the moment, but she is working on that), but that didn't dilute her commitment to HPS, where she had another exciting year as tutor to the Latin Therapy group and spoke to the Medieval Medicine Discussion Group. She also survived the reorganisation at Birkbeck to continue teaching palaeography and Old English. Other than that, she tried to keep her nose to the grindstone on her Anglo-Saxon farming book (nearly there!), but still found herself at a couple of conferences.

Publications

Articles in books

'The Old English Nine Herbs Charm', in Miri Rubin (ed) *Medieval Christianity in Practice* (Princeton University Press, 2009), 189–93

'Race and tillage: Scandinavian influence on Anglo-Saxon agriculture?' in Matti Kilpiö *et al.* (eds), *The Anglo-Saxons and the North* (Arizona Center for Medieval and Renaissance Studies, 2009), 165–92

'The staff of life: cross and blessings in Anglo-Saxon cereal production', in Sarah Larratt Keefer, Karen Louise Jolly and Catherine E Karkov (eds), *Cross and Cruciform in the Anglo-Saxon World: Studies to honor the Memory of Timothy Reuter*, Medieval European Studies XI (West Virginia University Press, 2010), 279–318

Reviews

Review of Peter Dendle and Alain Touwaide (eds) *Health and Healing from the Medieval Garden*, in *Medical History* 53.3 (2009), 454–5

Lectures, seminars and conferences

November 2009

'Cereal production and the form of fields', *Anglo-Saxon Fields*, McDonald Institute, University of Cambridge

December 2009

'Did Offa of Mercia build the bridge at Cambridge?' Local and Landscape History Group, Anglia Ruskin University

'From *Grantacastir* to *Grontbrycg*: the Anglo-Saxon Cambridge river crossing', ASNaC research seminar, Department of Anglo-Saxon, Norse and Celtic, University of Cambridge

February 2010

'The earliest English culinary recipes', London Society for Medieval Studies, Institute of Historical Research, University of London

'Diet in Anglo-Saxon medical texts', Medieval Medicine Discussion Group, Dept of History and Philosophy of Science, University of Cambridge

March 2010

'Food, clothes and shelter in Anglo-Saxon England', Anglo-Saxon, Norse and Celtic Roadshow, St Peter's School, York

April 2010

'*Lectun* and *orceard*: horticulture in Anglo-Saxon England', *The Anglo-Saxons and their World*, Manchester Centre for Anglo-Saxon Studies, University of Manchester

May 2010

'Where did milk come from in Anglo-Saxon England?' Medieval Diet Group, Somerville College, Oxford

'Provenance and ownership of 'scientific' manuscripts', *Medieval Manuscripts in the Digital Age II*, St John's College, Cambridge

'Medical manuscripts', *Medieval Manuscripts in the Digital Age II*, Wellcome Library, London

June 2010

'Anglo-Saxon manuscripts', London Palaeography Summer School, School of Advanced Study, University of London

September 2010

'Anglo-Saxon farmers and the supernatural', *Rural History 2010*, University of Sussex

Andrew Barry

Publications

Articles in Journals

- Barry A (2010) 'Materialist politics: metallurgy' in B Braun and S Whatmore (eds) *Political Matter: technoscience, democracy and public life*, Minneapolis: Minnesota University Press, 89-118
- Born, G. and A. Barry (2010) 'Art-science: from public understanding to public experiment', *Journal of Cultural Economy*, **3**, 1, 2010, 103-119
- Barry, A (2010) 'Tarde's method: between statistics and experimentation' in M Candea (ed) *The Social after Tarde: Debates and Assessments*, London: Routledge, 177-190
- Barry, A (2009), 'Visible invisibility', *New Geographies*, **3**, 67-74

Lectures and Seminars

June 2010

'Designing Politics', keynote at the conference on the *Politics of Design*, Manchester Architecture Research Centre, University of Manchester

April 2010

'Transparency as a Political Device', *Oil, Technopolitics and Capitalism* workshop at the Humanities Research Center, Stanford University

'Governing the near future', launch conference of the Bruce Center for *Rethinking Capitalism*, University of California, Santa Cruz

'Networks', plenary speaker at a conference on *Transdisciplinarity in French Thought: from structure to rhizome*, Institut Français, London

March 2010

'The Caucasus and Energy Security: between macropolitics and micropolitics' *Centre for Global and Security and Development*, Queen Mary, University of London

February 2010

'Seeing Like an Oil Company', *New Economic Geographies* seminar, Department of Geography, University of Nottingham

September 2009

'Invention and Social Theory', workshop on *What is an Invention?*, Centre for Intellectual Property Law, University of Cambridge, Emmanuel College

'Media beyond media studies', Speech at the Launch of the British Film Institute *InView* project, National Film Theatre, London

Adam Bostanci

Adam Bostanci is Lecturer in Social Sciences at the Hughes Hall Centre for Biomedical Science in Society. His research interests and teaching focus on the sociology of scientific knowledge and selected topics in the sociology of science and medicine. During 2009/10 he led a successful bid for funding to establish a University-wide Science, Technology and Bio-Social Studies Forum at CRASSH. He also supervised a Part III student dissertation on 'mouse models of cancer' for the Department of History and Philosophy of Science.

Publications

Articles in journals

Bostanci, A. (2010) 'A Metaphor Made in Public' *Science Communication*; published online 18 August to appear in a future issue of the journal.

Hall A., A. Bostanci and C. Wright (2010) 'Non-Invasive Prenatal Diagnosis Using Cell-Free Fetal DNA Technology: Applications and Implications', *Public Health Genomics*, **13**, 246-255

Reviews

Bostanci, A. (2010) 'Genetic Ancestry Testing as Ethnic Profiling', *Science as Culture*; published online 19 August to appear in a future issue of the journal.

Lectures, seminars and conferences

October 2009

'New technologies for non-invasive prenatal testing: Connecting science with policy'; invited discussant and workshop participant at 'Mapping the Genomic Era: Measurements and Meanings', conference of the ESRC Genomics Network, Cardiff, 8 October

Commented on Hughes Hall Centre Open Lecture: 'In Vitro Veritas? IVF, Stem Cells and the Reproductive Frontier' given by Prof. Sarah Franklin (LSE), 27 October, Hughes Hall, Cambridge

December 2009

'Wellbeing and lifelong health in people with a genetic syndrome'; Poster presented at the 9th Seattle Club Conference on Research in Intellectual & Developmental Disabilities; co-authors M. Pannebakker, T. Holland, M. Redley, C. Oliver, D. Felce, F. Huppert, P. Howlin, J. Moss, A. Clarke, M. Kerr, A. Bostanci, 7-8 December, UCL,

February 2010

'Autonomy and Consent in Commercial Genomic Profiling', Presentation at a 'forward-look' meeting of the Human Genetics Commission, 9 February, Wellcome Trust Sanger Institute,

June 2010

'Ethnic/Racial Profiling and Social Science'; presentation at a Hughes Hall Centre workshop on Racial Profiling: Perspectives from Philosophy, Law, and Social Science, 8 June, Hughes Hall, Cambridge

September 2010

'From RNA interference to RNA silencing: the biomedical significance of sequence-specific interactions between nucleic acids'; presentation at the First European Advanced Seminar on the Philosophy of the Life Sciences, 6-11 September, Brocher Foundation, Switzerland.

Peter J. Bowler

Peter Bowler has now retired as Professor of the History of Science at Queen's University, Belfast, but retains an office there. He serves on the steering committee of the Modern History section of the British Academy, the National Committee for the History of Science of the Royal Irish Academy and the History of Science section of the British Science Association. He has been nominated as chair of the programme committee for the International Congress of the History of Science to be held in Manchester in 2013.

Publications

Books

Q&A Darwin: Off the Record (London: Watkins, 2010).

Articles in books

'Rethinking Darwin's Position in the History of Science' in M. A. Bell, D. J. Futuyma, W. F. Eames and J. S. Levinton (eds.), *Evolution since Darwin: The First 150 Years* (Sunderland, MA: Sinauer, 2010), 31-48.

Lectures, seminars and conferences

October 2009

'Rethinking Darwin's Position in the History of Science', Göttingen Literature Festival.

November 2009

'Rethinking Darwin's Position in the History of Science', *Darwin 2009*. Stony Brook University, Stony Brook, New York.

'Imagining a World without Darwin', *Darwin in the 21st Century*, University of Notre Dame, Notre Dame, Indiana.

May 2010

'Popular Science Magazines in Inter-War Britain', *Popular Science in Twentieth-Century Europe*, Max Planck Institute for the History of Science, Berlin

June 2010

'Charles Darwin: The Man and the Myths', *MV Santa Cruz*, Galapagos Islands, Ecuador.

August 2010

'The Moral Implications of Darwinism', Universiti Sains Malaysia, Penang, Malaysia.

'Imagining a World without Darwin,' *Darwin in Communication*, University of Beijing, China.

September 2010

'Introducing Professor A. M. Low', *Tomorrow's World*, British Science Festival, Birmingham.

Angela Breitenbach

Angela Breitenbach took up a Lecturership in Philosophy at the University of East Anglia in September 2009. In 2009/2010, she continued to lecture on Kant for Part II, Paper 9, and attended the Kant Reading Group when she could spend some time in Cambridge.

Publications

Articles in books

Breitenbach, A., 'Kant on Causal Knowledge: Causality, Mechanism and Reflective Judgment', in: K. Allen and T. Stoneham (ed.), *Causation and Modern Philosophy*, London: Routledge, 201-221 (forthcoming 2010)

Breitenbach, A., 'Biological Purposiveness and Symbolic Representation', in: I. Goy (ed.), *Kant's Theory of Biology*, Berlin/New York: Walter de Gruyter (forthcoming 2011)

Breitenbach, A., 'Kant on Biology and the Experience of Life', in C. de la Rocca (ed.), *Proceedings of the XIth International Kant Congress*, Berlin/New York, Walter de Gruyter (forthcoming 2011)

Breitenbach, A., 'Fakultät'; 'Organon', 'Organon der reinen Vernunft', 'Skandal der Philosophie'; in: G. Mohr, J. Stolzenberg and M. Willaschek (ed.), *Kant-Lexikon*, Berlin/New York: Walter de Gruyter (forthcoming 2011)

Reviews

Breitenbach, A., Book review of L. Illetterati and F. Michelini (ed.), *Teleology: Purposiveness Between Nature and Mind*, Ontos: Frankfurt, 2008, in: *Studi Kantiani* (forthcoming 2010)

Lectures, seminars and conferences

October 2009

'Kant, Nature and Morality', Philosophy Society, University of East Anglia

December 2009

'Kant's Analogical Conception of Life', Conference on Teleology and Biology in Kant's *Critique of Judgment*, University of Luxembourg

'The Value of Nature: An Analogical Approach', Meeting of the International Society of Environmental Ethics at the American Philosophical Association, New York

February 2010

'Aesthetic Appreciation and Environmental Ethics', Interdisciplinary Research Seminar on Culture and the Environment, University of East Anglia

May 2010

'Kant on Biology and the Experience of Life', XIth International Kant Congress, Pisa

June 2010

'Life and Beauty in Kant', The Seven Ages of Nick Jardine, University of Cambridge

Elma Brenner

In 2009–10 Elma Brenner undertook research in Caen and Rouen, France, lectured for Part II Paper 7, and supervised History Part I Papers 14 and 15. She served as Director of the London Society for Medieval Studies, on the New Researchers Committee of the Voluntary Action History Society, and on the Board of the International Medieval Society, Paris. She is working on a monograph, *Leprosy and Charity in Rouen, c.1100–c.1400* (provisionally accepted for publication in the Royal Historical Society's series *Studies in History*). She is also co-editing two books, *Memory, Commemoration and Medieval Europe* (Ashgate) and *Society and Culture in Medieval Rouen, 911–1300* (Brepols).

Publications

Articles in books

'Outside the city walls: leprosy, exclusion, and social identity in twelfth- and thirteenth-century Rouen', in M Cohen and J Firnhaber-Baker (eds) *Difference and Identity in Francia and Medieval France* (Ashgate, 2010), 139–155

Articles in journals

'Recent perspectives on leprosy in medieval Western Europe', *History Compass* 8:5 (2010), 388–406 (DOI: 10.1111/j.1478-0542.2009.00674.x)

Reviews

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-*

Masāq: Islam and the Medieval Mediterranean 21:3 (2009), 331–333 (DOI: 10.1080/09503110903343358)

Lectures, seminars and conferences

October 2009

'Archbishops, charity and leprosy in thirteenth-century Rouen', European History 1150–1550 Seminar, Institute of Historical Research, University of London

April 2010

'Leprosy, gender and punishment in thirteenth-century Rouen', *Gender and Transgression in the Middle Ages* Postgraduate/Postdoctoral Conference, Institute of Mediaeval Studies, University of St Andrews

June 2010

'Leprosy, gender and punishment in thirteenth-century Rouen', Medieval Medicine Discussion Group, Department of History & Philosophy of Science, University of Cambridge

July 2010

'Remembering the dead in thirteenth-century Rouen', International Medieval Congress, University of Leeds

September 2010

Charity and the City: Medieval to Early Modern, Voluntary Action History Society Workshop for Postgraduate Students and Early Career Researchers, Hughes Hall, University of Cambridge (organizer)

Mirjam Brusius

In 2009/2010 Mirjam Brusius was a visiting pre-doctoral research fellow at the Max-Planck Institute of the History of Science and taught at Humboldt-Universität zu Berlin. She finalised the AHRC funded catalogue project "Science and the Antique in the work of William Henry Fox Talbot" at the British Library and co-organised a conference on W.H.F. Talbot at CRASSH, Cambridge.

Publications

Articles in books

'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, 16-23

'Album Wilkinson' (catalogue entry), in M.F. Sonetti; A. Prandi (eds), *La Persia Qajar 1848-1864. Fotografi italiani in Iran 1848-1864*, Roma, PellitiAssociati, 2010, 178-179

Articles in journals

'Inscriptions in a double sense: An early scientific photograph of script', *Nuncius. Journal of the History of Science* 24 (2 2009), 367-392

'Beyond Photography. William Henry Fox Talbot's notebooks in the Talbot Collection at the British Library'. *British Library Electronic Journal* 2010

Reviews

Review of H. Bredekamp, B. Schneider, V. Dünkel (eds), *Das Technische Bild. Kompendium zu einer Stilgeschichte wissenschaftlicher Bilder*, in *British Journal of the History of Science* 42 (2009), 611-612

Lectures, seminars and conferences

October 2009

'Photographing ancient Mesopotamia: Talbot, Fenton and the British Museum', The Royal Society, Lecture Series Autumn 2009 (Victorian Science), London

November 2009

'Persia, Photography and Prestige. Nasser Al-Din Shah (r. 1848-1896) and the early advancement of a new medium in the Middle East', Paris Photo Conference, Carrousel du Louvre, Paris

'W.H.F. Talbot and Roger Fenton at the British Museum. Photographs as Proxy in 19th-century Assyriology', History of Science Society 2009 Annual Meeting Phoenix, AZ

'William Henry Fox Talbot: Photography, Script, Inscription', DFG Research Training Group "Notational Iconicity", Freie Universität Berlin

February 2010

'Photographic experiments – photographic science – scientific photography. Lord Rosse, Talbot and Fenton at the British Museum around 1850', Colloquium, Department II, Prof Lorraine Daston, Max Planck Institute for the History of Science, Berlin

March 2010

'Photography and Decipherment. Talbot and Fenton at the British Museum around 1850', Department of the Middle East, The British Museum

'The Talbot Collection at the British Library', Department of Manuscripts, The British Library

'"A Useful Tool for the Sciences?" Fox Talbot and the invention of photography', Gallery Talks, Exhibition: Points of View: Capturing the 19th Century in Photographs, The British Library

May 2010

'Making objects mobile. Photography in Aby Warburg's Mnemosyne Atlas', *Knowledge and Visual Culture*, Centro de Ciencias Humanas y Sociales, Madrid

June 2010

'Preserving the Forgotten: Talbot and the Antique' and 'Talbot's notebooks. A short survey', *William Henry Fox Talbot: Beyond photography*, Centre for Research in the Arts, Social Sciences and Humanities (CRASSH), University of Cambridge

Robert Bud

Robert Bud is Principal Curator of Medicine at the Science Museum. The website: The large and innovative website funded by the Wellcome Trust www.sciencemuseum.org.uk/broughttolife was completed in April 2010. He was also the project director of 'Psychoanalysis: The unconscious in everyday life' which was opened at the Science Museum on 13 October 2010.

Publications

Articles in books

- 'Infected by the Bacillus of Science: The Explosion of South Kensington', in Peter Morris ed. *Science for the Nation. Perspectives on the History of the Science Museum*, London: Palgrave Macmillan, 2010, 11-40
- 'Collecting for the Science Museum: Constructing the collections, the Culture and the Institution' in Peter Morris ed *Science for the Nation. Perspectives on the History of the Science Museum*, London: Palgrave Macmillan, 2010, 266-288
- 'Belief, Power and Trust: A Context for Scholarly Priorities in the History of Science' in Susanne Lehmann-Brauns, Christian Sichau and Helmuth Trischler eds, *The Exhibition as Product and Generator of Scholarship*, Preprint 399, Max Planck Institut für Wissenschaftsgeschichte, June 2010, pp. 29-32
- 'Innovators, deep fermentation and antibiotics: Promoting applied science before and after WW2', in Papers presented, 16th – 18th June 2009, at the conference, Circulation of Antibiotics: Journeys of Drug Standards, 1930-1970' *ESF Networking program DRUGS Preprint No.1*, edited by Ana Romero, Christoph Gradmann and Maria Santemases, (Madrid and Oslo, 2010), 23-36. To be published in the journal *Dynamis*.

Articles in journals

- 'Should psychoanalysis be in the Science Museum?' *New Scientist*, no 2780, 5 October,
- 'From Applied Microbiology to biotechnology: Science, medicine and industrial renewal', *Notes & Records of the Royal Society* 64 (2010) 17-29

Lectures, seminars and conferences

- The Double Helix and "two cultures" debate of mid-20th century Britain presented at the The Monist Century 1845-1945: Science, Secularism and Worldview, Queens University Belfast, 3 October 2009
- Ivan Malek and applying microbiology: Biotechnology, penicillin and continuous fermentation in Prague and in a divided world', presented at the 'Ivan Malek and Czech Academy of Science: Conference on the centenary of the birth of Ivan Malek (1909-1994)', Czech Academy of Sciences, 16 October 2009
- 'Born in Translation: The Origins of the Phrase "applied science"' Presented at the History of Science Society, 20 November 2009
- 'Constructing mode 2: The invention of biotechnology as technoscience in the 1960s and 1970s', Egenis, Centre for Medical History, Exeter University, 9 February 2010
- Pre-performance Talk, 'Three Tales by Steve Reich and Beryl Korot, ADC Theatre Cambridge, 18 February 2010
- 'Regarding the Double Helix: A "sword" from the field of battle', Scientific Images Seminar, History and Philosophy of Science, University of Cambridge, 25 February 2010
- 'From microbiology to biotechnology' Invited contribution to the conference celebrating the 350th anniversary of Royal Society, 22 April 2010
- "Wie kommt die Seele ins Museum" Invited lecture at the "KörperGegenwart" conference in Dresden, 24 April 2010
- "Science, meaning and myth in the museum" Invited public lecture at the University of Ulm, 3 May 2010
- 'How Science changed 1970-1990', Science Group of the Highgate Literary and Scientific Institution, 24 June 2010

'Driving through Mode 2: The 1980 Spinks Committee on biotechnology and the implementation of a new kind of science'. Managing Knowledge in the Techno-Sciences, 1850-2000, 5-8 July 2010, University of Leeds

Making Sense of Industrial Turmoil: The concept of Applied Science, Before and After Toynbee: conceiving the Industrial Revolution during the long nineteenth century, 23 September 2010, Newnham College, Cambridge

Tatjana Buklijas

Tatjana Buklijas is a research fellow at Liggins Institute, University of Auckland. In 2010, she also taught a course on 'Concepts of disease, ca. 1300 to the present day' at the Faculty of Medical and Health Sciences, University of Auckland. Since the birth of her daughter Mara Sophie Lee (10 May), she has been on maternity leave.

Publications

Articles in journals

(with PD Gluckman and MA Hanson) 'A conceptual framework for the developmental origins of health and disease', *Journal of Developmental Origins of Health and Disease* 1(2010): 1–13.

'Public anatomies in fin-de-siècle Vienna', *Medicine Studies* 2(2010) : 71–92.

Reviews

Review of M. Rentetzi, *Trafficking Materials and Gendered Experimental Practices: Radium Research in Early Twentieth Century Vienna* (Columbia University Press, 2008) In Habsburg H-Net Discussion Network (<http://www.h-net.org/~habsweb/>) January 2010.

Peter Collins

Peter Collins is the Director of History of Science at the Royal Society and an Affiliated Research Scholar in the department. The Royal Society has been celebrating its 350th anniversary this year and has made extensive use of its unique historical resources in doing so. In addition, we have undertaken a major refurbishment of the space occupied by the Centre for History of Science, including our environmentally controlled secure archive store. This was completed on schedule and we opened the new Centre in the Spring with a major research conference and an exhibition covering all periods of the Society's history.

Publications

Edited books

Peter Collins, ed, 'The Royal Society and science in the 20th century, 22-23 April 2010': special supplementary edition of *Notes and Records of the Royal Society*, **64** (September 2010) (papers from the conference)

Articles in journals

Peter Collins, 'Editorial', *Notes and Records of the Royal Society*, **64** (September 2010), S1 – S3

Peter Collins, 'A Royal Society for technology', *Notes and Records of the Royal Society*, **64** (September 2010), S43 – S54

Peter Collins, 'A role in running UK science?', *Notes and Records of the Royal Society*, **64** (September 2010), S119 – S130

Lectures, seminars and conferences

April 2010

Organised, and gave two papers at, a conference at the Royal Society with the title *The Royal Society and science in the 20th century*

September 2010

'Orkney and the Royal Society', John D Mackay Memorial Lecture, Orkney International Science Festival, Kirkwall

'Science and the public: the Royal Society and the British Association in the 20th century', British Association Science Festival, Aston

Soraya de Chadarevian

Publications

Guest editor special issue

de Chadarevian, S. *BioHistories. BioSocieties* 5/3 (Sept 2010), 301–405

Articles in journals

de Chadarevian, S. 'Genetic evidence and interpretation in history,' *BioSocieties* 5 (2010), 301–305

Articles in books

de Chadarevian, S. 'Lebende Moleküle' in C. Bigg and J. Hennig (eds), *Atombilder. Ikonographie des Atoms in Wissenschaft und Öffentlichkeit des 20. Jahrhunderts*, Göttingen: Wallstein Verlag, 2009), pp. 92–96.

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 German version of an article previously published in English], pp. 199–216.

Preprint series

de Chadarevian, S. 'Viewing chromosomes' in S. Brauckmann, D. Thieffry, C. Brandt and G. Müller (eds) *Graphing genes, cells and embryos* (Max Planck Institute for History of Science MPIWG Preprint 380), pp. 57–62.

de Chadarevian, S. 'Mutations in the atomic age', in L. Campos and A. V. Schwerin (eds), *Making Mutations: Object, Practices, Contexts* (Max Planck Institute for History of Science MPIWG Preprint 393), pp. 179–188.

Reviews

de Chadarevian, S. Review of P. Doing, *Velvet Revolution at the Synchrotron: Biology, Physics, and Change in Science*, *Isis* 101 (2010), 688–689.

Lectures and conferences

January 2010

Panel discussion at screening of film *Creation* by Jon Amiel, Los Angeles

May 2010

Chadarevian, S. '... as astonishing as a photograph of the back of the moon: human chromosome research, 1950s to 1970s', guest-seminar, Biomedical Research Minor, UCLA

June 2010

Chadarevian, S. Seminar discussion on things, models and museums at Medical Museion, University of Copenhagen

Chadarevian, S. 'Haemoglobin and early human molecular genetics', keynote speaker at international workshop Early History of Human Molecular Genetics (satellite meeting of European Human Genetics meeting), Gothenburg

July 2010

Chadarevian, S. 'The world as a laboratory: biologists and the bomb', CSIC Center of Human and Social Sciences, Madrid

Interview by Marcus du Santoy for BBC Programme *The Beauty of Diagrams*, July 2010

Chadarevian, S. '... as astonishing as a photograph of the back of the moon: human chromosome research, 1950s to 1970s', Genomics Forum, Edinburgh

Chadarevian, S. 'The making of an entrepreneurial science: biotechnology in Britain 1975–1995', British Society for the History of Science meeting, Aberdeen

September 2010

Chadarevian, S. 'Putting human heredity on a "solid basis": human chromosome research 1950s-1970s,' at workshop Human Heredity in the Twentieth Century, Exeter

Chadarevian, S. 'Genetics studies of human populations in the decades following World War II', Philosophy Department, UNAM, Mexico City

Nader El-Bizri

Nader El-Bizri is an HPS Affiliated Research Scholar. He is a Principal Lecturer (Readership scale) at the University of Lincoln, a *Chercheur Associé* at the *Centre National de la Recherche Scientifique* in Paris, and a Visiting Fellow at The Institute of Ismaili Studies, London. He is the General Editor of the Oxford University Press *Epistles of the Brethren of Purity* series, Co-Editor of the Springer *Islamic Philosophy and Occidental Phenomenology in Dialogue* series, and Editor (Islam Division) of the Springer *Encyclopaedia of Religions and Sciences*. He serves on numerous other editorial boards, including the Cambridge University Press journal: *Arabic Sciences and Philosophy*. He continued in 2010 to be involved in various outreach cultural activities, including a new TV documentary, and acting as advisor to an exhibition on history of science and technology in Islamic civilisation at the Science Museum in London.

Publications

Contribution to a book

A revision of the annotated English translation of al-Khwārizmī's *Algebra (Kitāb al-Jabr wa-al-muqābala)* in R. Rashed, *Al-Khwārizmī: Beginnings of Algebra* (Saqi Books, 2009), 81-376

Articles in books

'Foreword' in L. Goodman and R. McGregor (eds.) *Epistles of the Brethren of Purity. The Case of the Animals versus Man before the King of the Jinn. An Arabic Critical Edition and English Translation of Epistle 22* (Oxford University Press, 2009) xvii-xxv [reviewed in TLS, 5-11-10]

'Avicenna' in M. Bragg (ed.) *In Our Time: A Companion to the Radio 4 Series* (Hodder & Stoughton, 2009), 387-406

'Foreword' in C. Baffioni (ed.) *Epistles of the Brethren of Purity. On Logic. An Arabic Critical Edition and English Translation of Epistles 10-14* (Oxford University Press, 2010) xvii-xxv

'Creative Inspirations or Intellectual Impasses? Reflections on the Relationships between Architecture and the Humanities' in N. Temple *et al.* (eds.) *Building Metaphors: The Humanities in Design Practice* (Routledge, 2010), 121-133

Articles in journals

'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)* 7 (2009), 201-226

'Al-Sīnawiyya wa-naqd Hāydhīr li-tārīkh al-mītāfīzīqā', *al-Maḥajja* 21 (2010), 119-140
'The Labyrinth of Philosophy in Islam', *Comparative Philosophy* 1.2 (2010), 3-23

Online

'Ikhwān al-Safā' and their *Rasā'il*', <http://www.iis.ac.uk> 'Interview' (2009)

'Mathematics vs. Physics: Ibn al-Haytham's Geometrical Conception of Space and the Refutation of Aristotle's Physical Definition of Place', <http://www.iis.ac.uk> 'Academic Papers' (2010)

Lectures, seminars and conferences

October 2009

'Avicennism and Heidegger's Critique of the History of Metaphysics', Sapiential Knowledge Institute, in association with a consortium of faculties of philosophy at Lebanese universities, Beirut

November 2009

'Philosophy and Islam in the 21st Century', interviews offered in English and Arabic to the Iranian media and press, Tehran and Hamedan

'Renewing the Impetus of Philosophical Thinking in Islam', Islamic Philosophy and the Challenges of the Present-day World', Iranian Institute of Philosophy, the Iranian Academy of Science, the Iranian Ministry of Science, Research & Technology, in association with UNESCO (Paris), Tehran

December 2009

'Al-Hasan ibn al-Haytham and the Scientific Experimental Method', Centre of Islamic Studies, School of Oriental and African Studies (SOAS), University of London, London

January 2010

'Philosophy and Islam', St. George's College, University of London, London

February 2010

'Optics and Geometry: Ibn al-Haytham's Scientific Legacy and Renaissance Perspective', Department of Philosophy, University of Bologna, Bologna

April 2010

'Architecture and Culture', East Midlands History and Philosophy of Architecture Network, School of Architecture, University of Lincoln, Lincoln

May 2010

'Philosophy and the Exact Sciences in Islam', Civilisation Sequence programme, Faculty of Arts & Sciences, American University of Beirut, Beirut

'The Conception of Place: Ibn al-Haytham vs. Aristotle', *Heritage Continuum*, Bibliotheca Alexandrina, Alexandria

June 2010

'La circulation du savoir scientifique et philosophique en Méditerranée', *Séminaire d'histoire des sciences et d'épistémologie*, Institut de recherche sur l'enseignement des mathématiques, Faculté des Sciences, Université de Limoges, Limoges

'The Conceptual Bearings of the Intercultural Roles of Architecture', *The Cultural Role of Architecture*, Faculty of Art, Architecture & Design, University of Lincoln, Lincoln

September 2010

'Philosophical Currents in Classical Shiite Intellectual Traditions', *Shi'i Studies: The State of the Field*, The Institute of Ismaili Studies, London

Patricia Fara

Patricia Fara has signed contracts for her recent book, *Science: A Four Thousand Year History*, to be translated into eight foreign languages. She acted as consultant on the BBC2 6-part television series, *Science: Proof, Power & Persuasion*. On Radio 4, she participated in two editions of 'Moments of Genius' (repeated on BBC World Radio), and also appeared twice on *In our Time* (on the Cavendish family, and on Newton and Leibniz)

Publications

Books

Science: A Four Thousand Year History (Oxford University Press, 2009) (paperback edition re-typeset from hardback)

Articles in journals

'Big Hero Myths,' *History Today*, Aug 2010, pp. 56-7

'Thomas Clarkson: A Curious Collector,' *Endeavour* 34 (2010), 43-4

'Minerva / Athene,' *Endeavour* 34 (2010) 4-5

'Alessandro Volta and the politics of pictures,' *Endeavour* 33 (2009) 126-7

'Humphry Davy and the lamp of genius,' *Endeavour* 33 (2009) 99-100

'Royal Society stories': ten-part monthly feature in *BBC History*

'An experimental Society,' in *BBC History*, Jan 2010, pp. 34-9

Reviews

Review of Celina Fox, *The Arts of Industry in the Age of Enlightenment*, in *BJHS* 43 (2010), 488-9

Review of Marjorie Wieseman, curator, 'Close examinations' exhibition, in *Science* 329 (2010) 905

Review of Faidra Papanelopoulou *et al*, *Popularizing Science and Technology in the European Periphery, 1820-2000* in *BJHS* 43 (2010), 311-12

Review of David Knight, *The Making of Modern Science*, in *Metascience* 19 (2010), 121-3

Review of Michael Hunter, *Boyle: Between God and Science* in *BBC History*, Jan 2010, p. 72

Review of Michael Hunter, *Boyle: Between God and Science* in *BBC Knowledge*, Feb 2010, p. 94

Review of J. B. Shank, *The Newton Wars and the Beginning of the French Enlightenment*, in *Journal of Modern History* 82 (2010), 199-201

Review of Celina Fox, *The Arts of Industry in the Age of Enlightenment*, in *BJHS* 43 (2010), 488-9

Lectures, seminars and conferences

October 2009

'4000 years in 400 pages', Manchester Science Festival

November 2009

'Poet of Progress.' Romanticism Seminar, Roehampton University

February 2010

'4000 years in 400 pages', Science Museum, London

March 2010

'4000 years in 400 pages,' Oxford Literary Festival

July 2010

'The Lunar Society,' public lecture on Queen Mary II

'Women and the History of Science,' public lecture on Queen Mary II

'Isaac Newton: Faces of Genius,' public lecture on Queen Mary II

'4000 years in 400 pages,' public lecture on Queen Mary II

'The Lunar Society,' Science Summer School, Cambridge

'4000 years in 400 pages,' York Café Scientifique

'4000 years in 400 pages', Exeter, NH, Maths conference keynote address

September 2010

'Lunar Dreams: Power and Progress in Enlightenment Britain,' BSA Science Festival,
Aston University

John Forrester

Head of Department, 2009-10. Senior Examiner, NST Part IB HPS. 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, the machine and technology*; Deleuze and Félix Guattari, *Anti-Oedipus. Capitalism and Schizophrenia*; Stoller's work on gender and sexual excitement; Slavoj Žižek's *On Violence*. He continues to edit the journal *Psychoanalysis and History*. Participant in ***Generation to Reproduction Reading Group***.

Committee Membership:

HPS representative, Council of the School of Humanities and Social Sciences.

Appointments Committee, Mellon Lectureship, SHSS.

Ex officio, HPS Appointments Committee, met in April 2010.

Chair, HPS Promotions Committee.

General Board appointee, Faculty of History Promotions Committee.

Elector and Convenor, Electors to the Hans Rausing Professorship of History and Philosophy of Science

(June 2009-January 2010).

Chair, General Board Learning and Teaching Review Committee, Faculty of Law, Lent & Easter Terms.

Senior Academic Promotions Appeals Committee, 2010.

Publications

Books

A Interpretação dos Sonhos. A caixa preta dos desejos, trans. Vera Ribeiro, Rio de Janeiro: Civilização

Articles in books

'La névrose de transfert mouvementé d'Anna G. Sur l'usage et l'abus de l'abstinence' in: Anna Koellreuter (ed.), *Anna G. Mon analyse avec le Professeur Freud*, Paris: Flammarion Aubier, 2000, pp. 139-162

Articles in journals

'Afterword: Psychoanalysis, fascism, fundamentalism and atheism' *Psychoanalysis and History. Special Issue: Psychoanalysis, Fascism and Fundamentalism 11 No.2* (2009): 271-8

Reviews

'Editorial' *Psychoanalysis and History 12(1)* 2010: 1-5

Lectures, seminars and conferences

November 2009

'Freud in Cambridge in the 1920s: The passion of J.D. Bernal' Paper delivered to conference on 'Psychoanalytic Methodology in Clinical and Non-Clinical Settings. A Conference in Recognition of the Work of Robert Hinshelwood', University of Essex, 14 November

April 2010

Human Sciences, Human Subjects. Conference sponsored by University of Chicago- Max Planck Institute of History of Science, Berlin. Franke Institute for the Humanities, University of Chicago, 2-3 April 2010. Senior Commentator

June 2010

'Opening Address' (at Villa Aurelia), 'Freud's *Moses of Michelangelo*' (in San Pietro in Vincoli), 'Closing reflections' (at Capitoline Museum), **Conference, 'Freud's Rome – Phobia and Phantasy'**, Sponsored by Max Planck Institute of History of Science, Berlin and American Academy in Rome, 23-24 June

Roger Gaskell

Lectures, seminars and conferences

July 2010

'Designing a library in 1651: John Webb's drawings for the library of the London College of Physicians', Material Cultures 2010, Centre for the History of the Book, Edinburgh.

Axel Gelfert

Axel Gelfert continues to teach as an Assistant Professor in the Department of Philosophy, National University of Singapore. He is also on the Steering Committees of the STS Research Cluster in the Faculty of Arts and Social Sciences, NUS, and of a three-year, MoE-funded Tier-2 research project 'Asian Biopoleis: Biotechnology and Biomedicine as Emergent Forms of Life and Practice'. He serves as the Co-Convenor of the Minor in Science, Technology and Society at NUS, as an Associate at Asia Research Institute (ARI), and as a member of the Joint Academic Committee of NUS and the University of Edinburgh. He maintains a European foothold as a member of 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. Since November 2009, he has been editing (with the help of an Editorial Advisory Board) a small web-based literary project, *The Berlin Review of Books* (www.berlinbooks.org), which welcomes submissions from the HPS community.

Publications

Articles in journals

'Kant and the Enlightenment's Contribution to Social Epistemology', *Episteme: A Journal of Social Epistemology* 7 (2010), 79-99

'Hume on Testimony Revisited', *Logical Analysis and History of Philosophy* 13 (2010), 60-75

Online

'Letter from Singapore: Where the Ivory Tower Meets the Crystal Palace', *The Philosophers' Magazine* www.philosophypress.co.uk/?p=589 (2009)

Lectures, seminars and conferences

October 2009

'Representational Force and the Role of Mathematical Formalism', 2nd Conference of the European Philosophy of Science Association, Vrije Universiteit, Amsterdam

February 2010

'Of Rumours and Conspiracy Theories: Philosophical Perspectives on Pathological Communication in the Public Sphere', *The Political and Social Impact of Rumours*, Centre of Excellence for National Security, S. Rajaratnam School of International Studies, Nanyang Technological University, Singapore

May 2010

'What is this thing called "Philosophy of Science"?', Temasek Junior College, Singapore

'Strategies of Model-Building in Condensed-Matter Physics', *Models and Simulations 4*, Institute for the History and Philosophy of Science and Technology, University of Toronto

'The Dual Role of Inference to the Best Explanation in the Epistemology of Testimony', Department of Philosophy (Epistemology Brown Bag Seminar Series), Northwestern University, Evanston

'Trade-offs in model-building for complex systems', Facoltà di Lettere e Filosofia, Università degli Studi, L'Aquila

'Communicability and the Public Misuse of Communication: Kant on the Pathologies of Testimony', 11th International Kant Congress, Pisa

June 2010

'Genealogies of the Concept of Knowledge and Their Cognitive-Ecological Dimension', *Cognitive Ecology: The Role of the Concept of Knowledge in our Social Cognitive Ecology*, School of Philosophy, Psychology, and Language Sciences, University of Edinburgh

'Observation, Inference, and Imagination: Elements of Edgar Allan Poe's Philosophy of Science', Eighth Meeting of the International Society for the History of Philosophy of Science), Central European University, Budapest

August 2010

'Asian Biopoleis: Biotechnology and Biomedicine as Emergent Forms of Life and Practice', Laboratory of Science Communication and Bioethics, Graduate School of Biostudies, Kyoto University

'Nanotechnology as Ideology: Towards a Critical Theory of "Converging Technologies"', Annual Meeting of the Society for the Social Studies of Science, University of Tokyo

'What is this thing called "Philosophy of Science"?', Special Programme in Science, National University of Singapore

Jeremy Gray

Jeremy Gray was awarded a grant of £44,938 by the Leverhulme Trust to write a scientific biography of Henri Poincaré, to be submitted to publishers in September 2011. He is one of the nine founder members of the Association for the Philosophy of Mathematical Practice, whose opening conference will be held in Brussels, December 2010. He was an advisor to a 13-part BBC radio series on the history of mathematics, April-May 2010.

Publications

Articles in books

Nineteenth Century Analysis as Philosophy of Mathematics, 138—149 in *New Perspectives on Mathematical Practice*, B. Van Kerkhove (ed.) World Scientific, 2009.

Reviews

Review of Robert Tubbs: *What is a number: mathematical concepts and their origins*, The Johns Hopkins University Press, Baltimore, in *Metascience*, 19.2 (2010) 211-212.

Review of Loren Graham; Jean-Michel Kantor. *Naming Infinity: The True Story of Religious Mysticism and Mathematical Certainty*. in *ISIS*, (2010), 101.1: 234-235

Review of Peter S. Rudman, *The Babylonian Theorem: The mathematical journey to Pythagoras and Euclid*, Prometheus Books, in *MAA Online* 2010.

Review of Ernst Zermelo, *Collected Works, Gesammelte Werke*, volume 1, Band 1, Set Theory, Miscellanea, Mengenlehre, Varia., H.-D. Ebbinghaus, C.G. Fraser, A. Kanimori (eds.) Springer, Berlin 2010, in *MAA Online*, 2010

Lectures, seminars and conferences

February 2010

Rigour and understanding -- the case of algebraic curves, *Oberwolfach meeting*

May 2010

Poincaré's uniformisation theorem, seminar, University of Mainz

June 2010

Poincaré on knowledge of geometry and geometry as a source of knowledge, *Practisiciens* Nancy, France

Riemann's Way, *History and Philosophy of Mathematics*, Paris

August 2010

Poincaré's reflections, International Conference on the history of modern mathematics, Xi'an, China

Vanessa Heggie

Vanessa Heggie's first book, *A History of British Sports Medicine*, will be coming out in January 2011. This year she has been working on a new project investigating the history of extreme physiology, scientific exploration, and experimentation in extraordinary environments, jointly funded by the Wellcome Trust and Isaac Newton Trust. She has been consulting for an Olympic Legacy Project – Our Human Race – a museum-based project run by the Royal College of Surgeons of Edinburgh, Legacy Trust UK & Scottish Arts Council.

Publications

Articles in books

Introduction to the section 'Eat and Move' *Getting the message across: public health campaigns (1948–2008)* (World Health Organisation, 2009)

Articles in journals

'A Century of Cardiomythology: Exercise and the Heart c.1880-1980', *Social History of Medicine* **23** (2010), 280-298

'Specialisation without the hospital: the case of British Sports Medicine', *Medical History* **54** (2010), 457-74

Articles in newspapers

'The Essay: The Science of Cheating', *Varsity*, 16 Feb. 2010, 11

Reviews

'Sport, Technology and the Body: The Nature of Performance', in *Sport in Society* **13** (2010), 1035

Lectures, seminars and conferences

November 2009

Twentieth Century Think Tank, University of Cambridge: "Drugs, sex and cyborgs: 10 questions worth exploring in the history of sports science and medicine"

March 2010

Gender Studies Research Seminar, University of Cambridge: "Sex, gender and fair play - policing the Athletic Body in international sport"

May 2010

Departmental Seminar, HPS, Cambridge: "Experiment, physiology and the extreme environment: from ghastly kitchen to gasping lung".

September 2010

British Society for Sports History Annual Conference, Wellcome Centre, London: "Providing a Modern Medical Service for the Olympic Games: London, 1948"

Nick Hopwood

Nick Hopwood, a senior lecturer in the Department, served as Part IB manager and began running our Wellcome Trust strategic award in the history of medicine on the theme 'Generation to reproduction' <www.reproduction.group.cam.ac.uk>. Two collaborative projects came to fruition: a series of workshops on 'Seriality and scientific objects in the nineteenth century' led to a special double issue of *History of Science*, and Wellcome Trust-funded research on history of mammalian embryology produced a long article in *Human Reproduction* that was featured in the *Independent on Sunday*, *BMJ*, *New Scientist* and *New Statesman*. Nick joined the Wellcome Trust Research Resources in Medical History funding committee and became a 'cooperating partner' of a German Research Foundation network on 'Economies of reproduction'. He took sabbatical leave in Easter Term.

Publications

Edited volume

(with S Schaffer and J Secord) *Seriality and Scientific Objects in the Nineteenth Century*, a special double issue of *History of Science* 48 (2010), parts 3/4, 251–494

Articles in journals

'Generation to reproduction: a strategic award for the University of Cambridge', *Wellcome History* 42 (2009), 5–6; (with M Johnson and S Franklin), 'Mammalian embryology and assisted reproduction in postwar Britain', *ibid.*, 12–13; (with T Buklijas) 'Making Visible Embryos: an online exhibition', *ibid.*, 15
(with MH Johnson, S Franklin and M Cottingham) 'Why the Medical Research Council refused Robert Edwards and Patrick Steptoe support for research on human conception in 1971', *Human Reproduction* 25 (2010), 2157–2174
(with S Schaffer and J Secord) 'Seriality and scientific objects in the nineteenth century', *History of Science* 48 (2010), 251–286

Online

(with M Johnson and S Franklin) 'Why the MRC did not fund the first test-tube baby', *BioNews* 569 (2 August 2010) http://www.bionews.org.uk/page_67380.asp

Reviews

'Darwinism's tragic genius: psychology and reputation', essay review of Robert J Richards, *The Tragic Sense of Life: Ernst Haeckel and the Struggle over Evolutionary Thought*, in *Isis* 100 (2009), 863–867

Lectures, seminars and conferences

October 2009

'Darwinist embryo fraud? Copying pictures and why it matters', Philosophy Department and Centre for the History of Medicine and Disease, University of Durham
'Generation to reproduction: a strategic award in the history of medicine', *Interdisciplinary Workshop on Reproduction*, CRASSH, University of Cambridge

November 2009

'Collecting embryos', *Cultures of Collecting* (in relation to the Leiden anatomical collections), Leiden University

December 2009

'"One of the most famous fakes"? Rediscovering Haeckel's pictures of embryos', *Mechanisms of Fraud in Biomedical Research II*, Wellcome Trust Centre for the History of Medicine at UCL

January 2010

'Pictures of evolution and charges of fraud', BIOS Centre, LSE

February 2010

'Pictures of evolution and charges of fraud', Wellcome Trust Centre for the History of Medicine at UCL

March 2010

'Pictures of evolution and charges of fraud', Centre for the History of Science, Technology and Medicine, University of Manchester
'Copying pictures, evidencing evolution: from alleged forgeries to textbook illustrations', Department of History and Welsh History, Aberystwyth University

May 2010

'Human embryos, 1750–2010', opening lecture at the inaugural workshop of 'Economies of reproduction: an interdisciplinary research network studying the past and present of human reproduction, 1750–2010', Humboldt University, Berlin

August 2010

'An icon of evolution: Haeckel's embryos in Germany and the United States', *Darwin in Communication*, Peking University, Beijing

Jiri Hudecek

Having worked on his dissertation on Wu Wen-Tsun throughout the year, Jiri Hudecek spent three months in China (June-August) on a research trip funded by the Needham Research Institute and from Chinese sources, collecting material on the history of 20th century Chinese mathematics in the archives of the Chinese Academy of Sciences and at other locations.

Lectures, seminars and conferences

October 2009

'Leaping from Theory to Practice: Chinese Mathematicians in late 1950s', Graduate Seminar, Centre for History of Science and Technology, Imperial College London.

January 2010

Hudecek, J. 'To Serve is to Preserve: Mathematics in the Chinese Cultural Revolution', BSHS Postgraduate Conference, Cambridge.

February 2010

'Bogged Down in the Idealist Mud: Contested Nature of Mathematics in China, ca. 1955-1975', Twentieth Century Think-tank, HPS Cambridge.

April 2010

'Past for the Use of Present: History of Chinese Mathematics as a Source of National Pride' (in Czech), Institute of Far Eastern Studies, Charles University, Prague.

'Algorithms Between the Lines: Zhu Shijie's Method of Four Unknowns as Inspiration for Wu Wen-Tsun', Needham Research Institute Text-reading Seminar, Cambridge.

June 2010

'Where does human knowledge come from? History of Science in Cambridge' (in Chinese), Department of History and Philosophy of Science, Shanghai Jiaotong University, China.

'Anatomy of 'Using Past for the Present', plus: on studying in Cambridge' (in Chinese), Department of History of Science and Scientific Archaeology, University of Science and Technology of China, Hefei.

'Method of Four Unknowns as Inspiration for Wu Wen-Tsun', 12th International Conference on History of Science in China, Beijing.

Annette Imhausen

Annette Imhausen holds a W2 professorship (under her legal (married) name "Warner") at the University of Frankfurt (Germany). She is one of the principal investigators of the Frankfurt Cluster of Excellence "Formation of Normative Orders". Her research focuses on the history of pre-modern sciences, especially the mathematical sciences in Egypt and Mesopotamia: context and techniques of ancient Egyptian mathematical texts,

transmission of knowledge during the Greco-roman periods, and the historiography of pre-Greek mathematics.

Publications

Books

A History of Egyptian Mathematics, in preparation for Princeton University Press

Edited books

(together with Tanja Pommerening): *Writings of Early Scholars in the Ancient Near East, Egypt, Rome, and Greece. Translating ancient scientific texts*. Berlin: de Gruyter, to appear November 2010

Articles in books

"From the cave into reality: mathematics and cultures", in: Annette Imhausen and Tanja Pommerening (eds.), *Writings of Early Scholars in the Ancient Near East, Egypt, Rome, and Greece. Translating ancient scientific texts*. Berlin: de Gruyter, to appear November 2010

(together with Tanja Pommerening): "Introduction", in: Annette Imhausen and Tanja Pommerening (eds.), *Writings of Early Scholars in the Ancient Near East, Egypt, Rome, and Greece. Translating ancient scientific texts*. Berlin: de Gruyter, to appear November 2010

Articles in journals

"Die Mathematisierung von Getreide im Alten Ägypten", in: *Mathematische Semesterberichte* 57 (2010): 3-10

Reviews

"Review of Eleanor Robson, Mathematics in ancient Iraq", in: *BSHM Bulletin* 25 (2010)

Lectures, seminars and conferences

October 2009

Ancient Egyptian notations of mathematical problems: rules and variations (Workshop: History and Philosophy of Mathematical Notations and Symbolism, Oberwolfach (Germany), October 25-31)

July 2010

Introduction into Egyptian Procedures (Workshop: Procedure texts from Egypt and Mesopotamia), Bad Homburg, Institute for Advanced Studies in the Humanities, July 2-4)

Shelley Innes

Publications

Edited books

Innes, S. (edited with F. Burkhardt and the Darwin Correspondence Project) (2010) *The Correspondence of Charles Darwin* vol. 18, Cambridge University Press

Lectures, seminars and conferences

June 2010

Innes, S. "Darwin the gardener". HPS Cabinet of Natural History Garden Party talk, 10 June 2010.

Innes, S. "Nick Jardine and the Cabinet of Natural History". (Seven Ages of Nick Jardine). Panel participant. 30 June 2010.

Nick Jardine

Nick Jardine retired in September 2010. He remains committed (for the time being) to a full roster of lectures and (for the foreseeable future) to graduate supervision and co-organisation of seminars, notably the Latin and Greek Therapy Groups, Cabinet of Natural History, History and Theory Reading Group and Kant Reading Group. With Marina Frasca-Spada and Renée Raphael he continues to edit *Studies in History and Philosophy of Science* and *Studies in History and Philosophy of Biological and Biomedical Sciences*. He is working with Alain Segonds (CNRS, Paris) and Dieter Lauenert (Gymnasium, Meldorf) on critical editions of the works of Nicolaus Ursus, deliverables of the BA and CNRS sponsored project 'Conflict and priority in early-modern astronomy' (2003–). On a project sponsored by the University of Barcelona he is collaborating with Adam Mosley (University of Swansea) and Miguel Granada (University of Barcelona) on a critical edition, English and Spanish translations, commentaries and essays on Christoph Rothmann's *Scriptum de cometa*. His AHRC project (2007–) with Sachiko Kusukawa, Liba Taub, Isabelle Pantin (Paris-X), Renée Raphael, Chris Lewis, Emma Perkins and Katie Taylor, 'Diagrams, Figures and the Transformation of Astronomy, 1450–1650', has held regular seminars and translation sessions, as well as a highly successful workshop on Production and Functions of Astronomical Images, 1450–1650. Nick has now actively re-engaged with his long-promised book *On Histories of the Sciences*. He is also devoting ever more time to the history, philosophy and sociology of fungi, and has been appointed Senior Treasurer of the Cambridge Mycological Society. Finally, he is preparing with enthusiasm to start work in January 2011 (in association with John Forrester, Liba Taub, Simon Schaffer, Lydia Wilson and others) on the new Scientific Heritage Project.

Publications

Edited special issue

Jardine, N. and Raphael, R. (eds), *Forms and Functions of Early Modern Celestial Imagery, Part 1*, *Journal for the History of Astronomy*, 41(3), 2010

Edited special section

Jardine, N. and Boner, P. (eds.), *Kepler's Cosmos: Bridging the disciplines*, special section of *Journal for the History of Astronomy*, 40(4), 2009, 375–419.

Article in collections

Jardine, N., 'Kepler as transgressor and amalgamator of disciplines', in Jardine, N. and Boner, P. (eds.), *Kepler's Cosmos: Bridging the disciplines*, special section of *Journal for the History of Astronomy*, 40(4), 2009, 375–380

Journal articles

Jardine, N. and Kaoukji, N. "A Frontispiece in any sense they please": On the significance of the engraved title page of John Wilkins's *A Discourse concerning a New World, 1640*', *Word and Image*, 26(4), 2010, 429–447.

Jardine, B. and Jardine, N., 'Critical editing of early-modern astronomical diagrams', in Jardine, N. and Raphael, R. (eds), *Forms and Functions of Early Modern Celestial Imagery, Part 1*, *Journal for the History of Astronomy*, 41(3), 2010, 393–414.

Jardine, N. 'Old friends (as opposed to false and fickle) as a resource in translation', *Cambridge Literary Review*, 1/3, 2010, 187-196.

Forthcoming

Edited special issue

Jardine, N. and Raphael, R. (eds), *Forms and Functions of Early Modern Celestial Imagery, Part 2, Journal for the History of Astronomy*

Article in collection

Jardine, N., 'Old, as opposed to false and fickle, friends as a resource in translation', in J. Rampling et al. (eds.), *Recipes for Disaster*, Latin Therapy Group Booklet, 2010

Essay review

Jardine, N., 'Objectivity, epistemology and critique', essay review of L. Daston and P. Galison, *Objectivity*. New York, 2007, in *British Journal for the History of Science*

Lectures, seminars and conferences

September, 2009

'The philosophy of fungi', CRASSH conference on Vegetable Love: Edible Plants between Nature and Culture.

October, 2009

'Fungi in history', Cabinet of Natural History, HPS, Cambridge.

June, 2010

'Historiographical reflections on the circulation of knowledge", keynote address, 7th STEP Conference, National University of Ireland, Galway.

July, 2010

'Introduction: Early-Modern Astronomy in Context', session of BSHS Annual Conference, University of Aberdeen.

October 2010

'K=K: Koestler's's empathetic engagement with Kepler', Journée d'étude internationale sur Les Somnambules d'Arthur Koestler, CNRS, L'Observatoire de Paris.

Richard C. Jennings

Richard Jennings directs the studies of and supervises about a quarter of the HPS IB students in philosophy of science. He runs workshops on Ethical Conduct and the Ethics of Scientific Practice for the Graduate programme at the Wellcome Trust Sanger Institute as well as for the final year and first year graduate students in the University of Cambridge Department of Physics. He continues to play an active role in the Ethics Expert Panel of the British Computer Society (BCS), which takes a proactive part in advising the BCS on issues of professional ethics. In the summer he taught courses on Darwin and on the History of Natural Philosophy as part of the Pembroke College International Programme.

Publications

Articles in journals

'Code Breaker' Project: *the voice of Project Management* 22, (2009) 20-21.

Online

(with others) *Helping ICT professionals to assess ethical issues in new and emerging technologies*, pdf file from: <http://www.bcs.org/server.php?show=conWebDoc.7886>

Reviews

Review of Anne Chapman, *Democratizing technology: Risk, responsibility & the regulation of chemicals*, in *SGR/AESR Newsletter* 38, (2010), 24

Review of Lotte Asveld and Sabine Roeser (editors), *The ethics of technological risk*, in *SGR/AESR Newsletter* 38 (2010), 27

Lectures, seminars and conferences

January 2010

'Ethics in/of Physics' Two lectures on Professional Practice to the Part III and graduate students in the Department of Physics, University of Cambridge

'Professional Practice and Ethics' Computer Laboratory, University of Cambridge

February 2010

'Ethics in/of Physics' two lectures on Ethics in the Application of science to the Part III and graduate students in the Department of Physics, University of Cambridge
Scientists for Global Responsibility stall at "The Works" – Cambridge University's alternative careers fair

'Professional Practice and Ethics' Computer Laboratory, University of Cambridge

March 2010

'Professional Practice and Ethics' Computer Laboratory, University of Cambridge

May 2010

Workshops on Ethical Conduct of Research, Wellcome Trust Sanger Institute

June 2010

Workshops on Ethical problems in the Use and Practice of Science, Wellcome Trust Sanger Institute

Stephen John

Publications

Online

(with Tim Lewens) "The *Universal Ethical Code for Scientists* and the 'Crisis of Trust in Science': Report to the Department of Business, Industry and Skills Science and Trust Working Group" (Published on-line at <http://interactive.bis.gov.uk/scienceandsociety/site/>)

Lectures, seminars and conferences

October 2009

"Why should we defer to expert testimony? A philosophical case-study of the MMR controversy" NUI Galway, Department of Philosophy weekly seminar

"Why should we defer to expert testimony? A philosophical case-study of the MMR controversy" Cambridge Bioethics Forum

April 2010

"Saving the most at risk?" One day workshop on the Ethics of Infectious Disease Control, Keele University

"Saving the most at risk?" One day workshop on Risk and Epidemiology, HPS, Cambridge

June 2010

"Genetic discrimination and the ethics of apt categorisation" Integrated History and Philosophy of Science workshop, University of Exeter

July 2010

“Do we have an obligation to participate in medical research?” Research Ethics in Europe Conference, University of Keele

“Genetic discrimination and the ethics of apt categorisation” Society for Applied Philosophy Annual Conference, Oxford

September 2010

“Risk and well-ordered science” Challenging Models in the face of Uncertainty conference, University of Cambridge

“Health, risk and health risks” Concepts of Health and Disease Workshop, KCL

Peter Jones

Continuing investigations of the manuscript evidence for the use of alchemy in late medieval medical practice have focussed this year on the activities of Dr John Argentein. Peter Jones has lectured on ‘Medicine and communications, 1375-1641’ for Paper 7 in HPS Part II, and has begun work on a monograph to cover the role of orality, images, handwritten and printed communication in medicine over the medieval and early modern periods. In connexion with the communication strand in the new Generation to Reproduction project at HPS, we have started planning for an exhibition to be held at Cambridge University Library in 2011.

Publications

Articles in books

‘Amulets and Charms’, in M. Rubin (ed.) *Medieval Christianity in Practice*, (Princeton University Press, 2009), 194-99.

Articles in journals

‘The Surgeon as Story-Teller’, *Poetica (An International Journal of Linguistic-Literary Studies)* 72 (2009), 77-91.

(with Lea T. Olsan), ‘Takamiya MS 61: a book of experiments’, *Poetica (An International Journal of Linguistic-Literary Studies)* 73 (2010), 87-107.

Lectures, seminars and conferences

October 2009

‘Dr John Argentein (c.1443-1508): royal physician and Provost of King’s College, Cambridge’, Richard III: A Man and his Times, Richard III Foundation Inc., Bosworth.

November 2009

‘John Argentein: medieval doctor and alchemist’, Corpus Christi College History Society, Cambridge.

December 2009

‘John Argentein (c.1443-1508): alchemy and the royal doctor’, EMPHASIS seminar, London.

February 2010

‘John Argentein (c.1443-1508): alchemy and the royal doctor’, Medieval Medicine Discussion Group, Cambridge.

March 2010

‘John Argentein (c.1443-1508): alchemy and the royal doctor’, London Society for Medieval Studies, Senate House, London.

June 2010

'Style and the Surgeon: John of Arderne (1307-c.1377), Oxford Medieval Society, Harris Manchester College, Oxford.

Lauren Kassell

Lauren Kassell continued as Part II Manager and College Liaison Officer. At Pembroke she continued as Director of Studies in HPS, Assistant Tutor, and Tutorial Bursar. In April she launched 'The Casebooks Project: A Digital Edition of Simon Forman and Richard Napier's Medical Records, 1596-1634', funded by a Programme Grant from the Wellcome Trust. She sits on the Wellcome Trust History of Medicine Funding Committee. She's an External Examiner, for the MA in the Social History of Medicine at the University of Warwick and is on the Editorial Boards of Social History of Medicine and Renaissance Studies.

Publications

Edited books

Rob Ralley and Lauren Kassell (eds.), *Stars, Spirits, Signs: Astrology 1100–1800*, a special issue of *Studies in History and Philosophy of Biological and Biomedical Sciences*, 41 (2010). <http://www.sciencedirect.com/science/issue/6072-2010-999589997-2083749>

Articles in books

'Almanacs and Prognostications', in Joad Raymond (ed.), *The (Oxford) History of Popular Print Culture: volume 1: Britain to 1660* (Oxford: Oxford University Press, forthcoming 2011).

Articles in journals

'Secrets Revealed: Alchemical Books in Early-Modern England', *History of Science*, xlviii (forthcoming March 2011), 1-27 and A1-38.

'Stars, Spirits, Signs: Towards a History of Astrology 1100-1800', Introduction to Rob Ralley and Lauren Kassell (eds.), *Stars, Spirits, Signs: Astrology 1100–1800*, a special issue of *Studies in History and Philosophy of Biological and Biomedical Sciences*, 41 (2010), 67-69.

Online

'The Casebooks Project: Simon Forman and Richard Napier's Medical Records, 1596-1634—Pilot Project', <http://www.hps.cam.ac.uk/casebooks/>

Reviews

Leah DeVun, *Prophecy, Alchemy, and the End of Time: John of Rupescissa in the Late Middle Ages* (New York: Columbia University Press, 2009), in *Isis*, 101 (2010), 641-2

Lectures, seminars and conferences

July 2010

"Whether a woman be with child or noe": Fertility, Gender and Astrology in Early Modern England, Society of Social History of Medicine Annual Conference, Durham-Newcastle

'Social History of Medicine—Where do we go from here?', Round table discussion with Roger Cooter, Frank Huisman, and James Kennaway. Society of Social History of Medicine Annual Conference, Durham-Newcastle

August 2010

Plenary Lecture, 'Medical Records in Early Modern England: Some Sources and Problems in Writing Histories of Medicine', "'The Burthen of the Mortal Body": Life, Death, Sickness and Health in the Early Modern Period', University of Exeter

Melanie Keene

This year Melanie Keene began her Junior Research Fellowship at Homerton College, Cambridge. With Daniel Friesner, she organised the Science and Literature Reading Group. She edited *Viewpoint*, the newsletter of the British Society for the History of Science, and continued her work with their Outreach and Education Committee, and with the History of Science Section of the British Science Association. She ran a workshop at the Natural History Museum on Amazonian natural history, and at the Royal Holloway Open Day on 'Seeing Stars'; and participated in a sell-out séance play at the Oxford Museum of the History of Science. She also lectured in the Education Faculty, making origami rabbits with her students. She spent the summer in fairyland writing a book proposal.

Lectures, seminars and conferences

October 2009

'The science of common things', The Royal Society

'The little geologists', Sedgwick Society Seminar, University of Cambridge

November 2009

'Learning things: the objects of familiar science in nineteenth-century Britain',
Departmental Seminar, HPS, Cambridge

December 2009

'Known unknowns: educational analogies and the science of Victorian childhood',
History of Education Society Annual Conference, University of Sheffield

February 2010

'Familiar science in nineteenth-century Britain', Research Seminar, Homerton College,
Cambridge

April 2010

'On familiarity', British Society for Literature and Science Annual Conference,
Northumbria University

May 2010

'Beyond the canon of children's literature', Cambridge Victorian Studies Group,
Newnham College, Cambridge

June 2010

'The familiar method of education', History of Education Society Conference, Homerton
College, Cambridge

July 2010

'The fairy-tales of science', British Society for the History of Science Annual Conference,
University of Aberdeen

'A "partial, prejudiced & ignorant" history of science in song', British Society for the
History of Science Annual Conference, University of Aberdeen

Sachiko Kusakawa

Sachiko Kusakawa has completed a monograph on 16th-century images in medical botany and anatomy (*Picturing the book of nature: image, text and argument in sixteenth-century science*, University of Chicago Press). She continues to work as Co-Investigator for the project, 'Diagrams, figures and the transformation of astronomy 1450-1650' (AHRC), and is now researching into the pictorial practices of the early Royal Society (Richard Waller and Henry Hunt).

Publications

Books

(with A. R. Cunningham), *Natural Philosophy Epitomised: Books 8-11 of Gregor Reisch's Philosophical Pearl (1503)*, (Ashgate, 2010)

Articles in journals

'Image, Text and "Observation": The *Codex Kentmanus*', *Early Science and Medicine* 14.4 (2009), 445-75

'The Sources of Gessner's Pictures for the *Historia Animalium*', *Annals of Science*, 67 (2010), 303-28

Lectures, seminars and conferences

December 2009

'The Royal Society Illustrations of Richard Waller', Philosophy and Natural Philosophy in the Early Modern Period, Trinity College, Cambridge.

'Andreas Vesalius and the Canonization of the Human Body', Faculty of Philosophy, Radboud University, Nijmegen, the Netherlands.

Gerald Kutcher

Gerald Kutcher received a John Simon Guggenheim fellowship in March 2010 for the 2011 academic year for a book project with the working title *High Expectations: A History of Cancer Therapies*. The aim of this project is to discuss through a series of case studies the development of cancer therapies in the twentieth century. This history will emphasize the mutually reinforcing roles of technology, industry and government in the development of cancer treatments.

Publications

Articles in books

'A Case of Human Experimentation: The Patient as Subject, Object and Victim' in Carsten Timmermans and Julie Anderson (eds) *Patients and Pathways: Cancer Experiences in Historical and Sociological Perspective*. (Palgrave, accepted)

Reviews

Review of E Leopold, *Under The Radar: Cancer and the Cold War*, in *Social History of Medicine*, 22:3 (2009), 627

Lectures, seminars and conferences

March 2010

'Fast Neutrons for Cancer Therapy: A Case Study of Failure', Princeton University

April 2010

'Duelling Cyclotrons: The Battle Between Hammersmith and Edinburgh over the Value of Neutrons in Treating Cancer', American Association of the History of Medicine, Rochester, MN

David Leith

Publications

Edited books

(with D C Parker, S R Pickering, & N Gonis, M. Malouta) *The Oxyrhynchus Papyri* vol LXXIV, Graeco-Roman Memoirs 95 (London, 2009)

Articles in books

'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 D. Leith, D C Parker, S R Pickering et al. (eds.) *The Oxyrhynchus Papyri* vol LXXIV (London, 2009) section II

'5046. Xenophon, *Anabasis* 1.5, 8-12', in H Maehler, C Römer & R Hatzilambrou (eds) *The Oxyrhynchus Papyri* vol LXXV, Graeco-Roman Memoirs 96 (London, 2010) 90-92

Lectures, seminars and conferences

November 2009

'Papyrus Fragments of a Ptolemaic Treatise on the Nervous System', Medical Texts in Translation Seminar, Wellcome Trust Centre for the History of Medicine at UCL

April 2010

'Demetrius of Laconia, *On Geometry*: some thoughts on P. Herc. 1061', *Testi tecnici e lessica speciali nei papiri greci*, Università degli Studi di Parma

Tim Lewens

Tim Lewens was promoted to a Readership in Philosophy of the Sciences from October 2010.

Publications

Articles in journals

'Foot Note' *Analysis* 70, 3 (2010): 468-473.

'The Natures of Selection' *British Journal for the Philosophy of Science* 61 (2010): 313-333.

'What are Natural Inequalities?' *Philosophical Quarterly* 60 (2010): 264-285.

'The Risks of Progress: Precaution and the Case of Human Enhancement' *Journal of Risk Research* 13 (2010): 207-216.

Online

The Universal Ethical Code for Scientists and the 'Crisis of Trust in Science' (with Stephen John). Report to the Science and Trust Expert Group, Department of Business, Innovation and Skills
<http://interactive.bis.gov.uk/scienceandsociety/site/trust/files/2010/03/Ethical-Codes-and-Trust-16-Feb-20101.pdf> (8th March 2010).

Lectures, seminars and conferences

October 2009

'Essence of Tiger', Serious Metaphysics Group, University of Cambridge

November 2009

'Changing Conceptions of Selection', *When Evolution Evolves*, AgroParisTech, Paris

'Changing Conceptions of Selection', *Life, Living, Evolution*, University of Latvia, Riga

February 2010

'Reply to John Harris', Hughes Hall Centre for Biomedical Science in Society, Cambridge

March 2010

'Essence of Tiger', Philosophy Research Seminar, University of Kent

April 2010

'Justifying Adaptationism: The Case of Evo-Devo', Department of Theoretical Biology, University of Vienna

'Limits of Adaptation', Panel Discussion, Konrad Lorenz Institute, Altenberg, Austria

June 2010

'Essence of Tiger', Popper Seminar Series, London School of Economics

July 2010

'Reliability and Calibration', *The Seven Ages of Nick Jardine*, University of Cambridge

'Species, Essence and Explanation', British Society for the Philosophy of Science Annual Conference, University College Dublin

August 2010

'Cultural Evolution: Towards an Eclectic Synthesis' *Darwin in China*, Beijing

September 2010

'Philosophy of Science: The Case of Charles Darwin', Groningen Summer Academy, King's College Cambridge

Geoffrey Lloyd

Publications

Books

Disciplines in the Making: Cross-Cultural Perspectives on Elites, Learning and Innovation Cambridge University Press 2009

Grška znanost po Aristotelovem času (Slovenian translation of *Greek Science after Aristotle*) Studia Humanitatis, Ljubljana 2007 (published 2009)

Japanese translation of *Ancient Worlds, Modern Reflections* Iwanami Shoten, Tokyo 2009

Articles in books

'Galen's un-Hippocratic case histories' in C. Gill, T. Whitmarsh, J. Wilkins (eds.) *Galen and the World of Knowledge* (Cambridge University Press, 2009), 115-131

'Entrevista' in M. Jalón, F. Colina (eds.) *Reales e imaginarios: Diálogos* (Cuatro ediciones, Madrid, 2010), 171-189

Reviews

Review of E. Slingerland, *What Science offers the Humanities*, in *Isis* 100.1 (2009), 211-212

Review of B.L. Wickkiser, *Asklepios, Medicine and the Politics of Healing in Fifth-Century Greece*, in *Perspectives in Biology and Medicine*, 53.1 (2010), 155-157

Lectures, seminars and conferences

October 2009

'Experimentality', University of Lancaster

November 2009

'The importance of understanding the past', Stanford

'Rhetoric in the ancient world', University of California, Berkeley

December 2009

'Darwin's legacy', Three lectures, Galapagos Islands

January 2010

'Philology: the Urwissenschaft?', Workshop at the Max Planck Institute for the History of Science, Berlin

March 2010

'Doctors and Philosophers in ancient Greece', Charles University Prague

'Ancient science reassessed', Charles University Prague

April 2010

'Historia en el servicio de la filosofia de la ciencia', University of Zaragoza

May 2010

'La retorica en la antigüedad griega y china', Universidad Nacional de Educación a Distancia, Madrid

'Categorical anachronisms and their consequences for the history of science', Universidad de Carlos III, Getafe

June 2010

'Models for living in ancient Greece and China', University of Glasgow

'La fabrique des disciplines', College de France, Paris

'Pour un réexamen des sciences dans les sociétés anciennes', College de France, Paris

'Democracy and Demonstration', Centre Pompidou, Paris

September 2010

'Humanity between Gods and Beasts? Ontologies in Question', Henry Myers lecture, Royal Anthropological Institute London

Anita McConnell

In January Anita McConnell went to the Vatican Museum in Rome to see 'Astrum 2009', an exhibition celebrating 400 years of Italian astronomy since Galileo first saw the satellites of Jupiter. In April she visited the Museum of history of science and medicine, Damascus.

Publications

Reviews

Review of Wynter, Harriet, *The price of everything*, in *Scientific Instrument Society Bulletin* No. 106 (2010), 42

Raymond Mercier

The year has seen the final preparation for publication of the first part of the Commentary of the *Handy Tables* of Ptolemy, a companion to the edition of the text by Anne Tihon (Catholic University of Louvain la Neuve). This went to the publisher (Peeters) in April and is now at the proof stage. Other long articles were prepared for volumes edited by David Brown (Berlin) and J.M. Delire (ULB, Brussels), both on Indian astronomy.

Publications

Online

Added to my website, www.raymondm.co.uk, are the latest version of Kairos, now including an eclipse program which gives a final display of the solar eclipse, and StarList. StarList, a catalogue based on the Yale List of Bright Stars, gives for any time the coordinates used in ancient star lists, as well as the standard modern coordinates. The stars of Ptolemy's Catalogue are also included.

Reviews

Manilius and His Intellectual Background. Katharina Volk (Oxford University Press, Oxford, 2009), reviewed in *J. History of Astronomy*, Aug 2010, p. 420-2.

Lectures, seminars and conferences

December 2009

Dec 3–4 Dec 2009, Needham Research Institute, at the workshop *Genealogies of Science in Asia: Cross-Cultural Appropriation*, I gave a lecture "From a scientific community to bookish schools: the reception of Islamic astronomy in Europe".

Simon Mitton

Publications

Online

Magnificent seventh release of Sloan Sky Survey data Thomson Reuters

<http://sciencewatch.com/ana/hot/phy/10sepoct-phy>

First results from Fermi Large Area Telescope Thomson Reuters

<http://sciencewatch.com/ana/hot/phy/10julaug-phy>

The future shines for efficient polymer solar cells Thomson Reuters

<http://sciencewatch.com/ana/hot/phy/10mayjun-phy>

Gran Sasso search for WIMPs draws a blank Thomson Reuters

<http://sciencewatch.com/ana/hot/phy/10marapr-phy>

Combined supernova data constrain consensus cosmology Thomson Reuters

<http://sciencewatch.com/ana/hot/phy/10janfeb-phy>

M-Theory progress sparks new interest in string theory Thomson Reuters

<http://sciencewatch.com/ana/hot/phy/09novdec-phy>

Peter Calverley interview: Chronic obstructive pulmonary disease Thomson Reuters

<http://sciencewatch.com/ana/st/copd/10maycopdCalv/>

John Sumpter interview: Bisphenol A Thomson Reuters

<http://sciencewatch.com/ana/st/bis/10febBisSump/>

Tim Behrens interview: Magnetic resonance imaging Thomson Reuters

<http://sciencewatch.com/inter/aut/2009/09-oct/09octBehr/>

Reviews

Review of Chris Impey, *How it ends: from you to the universe* in *Times Higher Education*, 12 August 2010

Review of Carlos Calle, *The universe: order without design* in *Times Higher Education* 31 December 2009

Review of James B. Kaler, *Heaven's touch: from killer stars to the seeds of life* in *Times Higher Education* 24 September 2009

Lectures, seminars and conferences

September 2009

Robert Grosseteste: cosmology and metaphysics, Bishop Grosseteste University College, Lincoln

October 2009

'Astronomy' four lectures for Cunard line passengers on *Queen Mary 2*

March 2010

'Fred Hoyle: astronomy and cosmology' Cambridge Science Festival 2010

Iris Montero Sobrevilla

Publications

Articles in journals

'La viruela y las vacunas', *Este País* 233 (2010), 59

'From Albion to Amazonia', *Viewpoint* 92 (2010), 4-5

'Trochilidae Darwinianae', *Este País* 228 (2010), 26-27

Lectures, seminars and conferences

October 2009

'Hernández y el torpor del *huitzitzilin*: itinerarios en la construcción del conocimiento sobre la naturaleza americana, 1571-1651', Instituto de Investigaciones Filosóficas-UNAM, Mexico City

November 2009

'Hernández meets the *huitzitzilin*: natural knowledge and authority in the first Spanish scientific expedition, 1571-1651', History of Science Society Meeting, Phoenix, AZ

'Hernández y el *huitzitzilin*: itinerarios en la construcción del conocimiento sobre la naturaleza americana, 1576-1790', *Seminario Viernes de Conocimiento Útil*, Fundación Este País, Mexico City

March 2010

'Of hummingbirds, hearts and epilepsy: natural knowledge and authority in the Hernandian corpus, 1571-1651', *Colonial Science and its Histories*, Institute of Historical Research

April 2010

'Empirismo ibérico e historia natural en el Nuevo Mundo: América en la redefinición de la narrativa de la 'Revolución Científica'', *Workshop Historiografía de la Ciencia en América Latina*, Centre d'Història de la Ciència, Universitat Autònoma de Barcelona

May 2010

'Aztec Images as Sources for the History of Science?', *Knowledge and Visual Culture*, International Workshop of Young Researchers, CSIC-Madrid

June 2010

'Hernández meets the *huitzitzilin*: natural knowledge and authority in the first Spanish scientific expedition, 1571-1651', *Science and Technology in the European Periphery*, Galway, Ireland

'Angry War Gods, Epilepsy, and Medicinal Hummingbirds in the Spanish Atlantic, 1571-1651', *Emotions and Health, 1200-1700*, Queen Mary-University of London

July 2010

'Knowledge Production and Authority over New World Nature in the Hernandian Corpus, 1571-1651', *The Making of Early Modern Scientific Knowledge: Objects, Spaces, Practices and Epistemologies*, Centre for the History of Medicine, University of Warwick

'*Le printemps est leur unique saison*: How Raynal got to write about hummingbirds', *Raynal's 'Histoire des deux Indes': Colonial Writing, Cultural Exchange and Social Networks in the Age of the Enlightenment*, Newnham College, Cambridge

James Moore

In a world apparently unwearied of Charles Darwin, Jim Moore participated in major TV documentary series: 'Darwin's Brave New World' (3 parts), made by the Australian and Canadian Broadcasting Corporations with ZDF-ARTE, and 'Darwin, Nature's Son' (7 parts) by China Central TV (CCTV-10, repeated CCTV 1, 4 and 9), with audiences of 10 million per programme. He appeared on Canal Habana National TV (Cuba) and CBS-TV's Sunday Morning, and was interviewed by Seth Feldman for 'The Evolution of Charles Darwin', Canada's flagship three-part series on Radio CBC One. Over here, Talk Radio Europe, Radio Centraal Antwerp, VRT Radio 1 Belgium, Newstalk Radio Dublin, BBC 5 Live and Three Counties Radio carried Jim's voice, while stories and press interviews appeared in *Ciência e cultura* (Brazil), *Ke xue shi bao* (Beijing's *Science Times*), *Katholiek Nieuwsblad* (Netherlands) and our *Sunday Times*.

Publications

Books

(with A Desmond) *Darwin's Sacred Cause: Race, Slavery and the Quest for Human Origins*, first published 2009

Italian Turin, Bollati Boringhieri, 2009

Japanese Tokyo, NHK Shuppan, 2009

Portuguese Rio de Janeiro, Editora Record, 2009

e-book cooler-ebooks, Adobe digital edition, 2009

(with A Desmond) *Darwin*, first published 1991

Korean Seoul, Puriwa Ipari, 2009

Chinese Shanghai, Scientific and Technological Literature Publishing House, 2009

Articles in books

'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, 2009), pp. 142-51.

'Religion and Science', in P J Bowler and J V Pickstone (eds) *Modern Biological and Earth Sciences*, vol. 6, D C Lindberg and R L Numbers (eds) *The Cambridge History of Science* (Cambridge University Press, 2009), 541-62

(with other contributors) 'Darwin: programmes 1-4', in M Bragg (ed) *In Our Time: A Companion to the Radio 4 Series* (Hodder & Stoughton, 2009), 159-252

(with D B Paul) 'The Darwinian Context: Evolution and Inheritance' in A Bashford and P Levine (eds) *The Handbook of the History of Eugenics*, Oxford Handbooks (Oxford University Press, 2010), 27-42

(interview with K Tippett) 'Evolution and Wonder', in K Tippett (ed), *Einstein's God: Conversations about Science and the Human Spirit* (Penguin, 2010), 99-120

Articles in journals

'Darwin's Progress and the Problem of Slavery', *Progress in Human Geography* 34 (2010), 555-82

Online

Interview with Jörgen van der Sloot (prerecorded), 15 minutes, FreedomLab Future Studies, webcast: www.freedomlab.org, from October (producer: Jörgen van der Sloot), from October 2009

Interview with Thomas Sykora, 5 minutes, Nieuw Amsterdam TV, webcast: <http://www.nieuwamsterdam.nl/videodetail.aspx?ID=1624>, from October 2009

Interview, Darwin in Context, 23 minutes, Open University and BBC Worldwide for British Council: webcast <http://darwin.britishcouncil.org/audios/darwin-in-context>; http://www.open2.net/darwin/darwinnow/podcast_menu.html, from November 2009

Interview, 5 minutes, Big Thinkers on Evolution (Daniel Dennett, Sylvia Earle, Stephen Jay Gould, Kenneth Miller, James Moore), NOVA / WGBH for PBS Online, <http://www.pbs.org/wgbh/nova/beta/evolution/big-thinkers-evolution.html>, from November 2009

Interview with Maria Guimaraes, 'Darwin the abolitionist – An interview with James Moore', Brazillion Thoughts – The Best of ScienceBlogs Brasil, http://scienceblogs.com.br/brazillion/2010/01/darwin_the_abolitionist_-_an_i.php, and at http://scienceblogs.com.br/cienciaeideias/2010/01/darwin_o_abolicionista.php, 4 January

Interview with Paula Nadal, 6 minutes, 'A causa abolicionista de Darwin', *Nova Escola* (São Paulo) webcast: <http://revistaescola.abril.com.br/ciencias/fundamentos/video-darwin-james-moore-591822.shtml>, from August 2010

Lectures, seminars and conferences

October 2009

Public lecture, Teylers Museum, with Athenaeum bookshop, Haarlem, Netherlands

Public lecture, Maastricht University, sponsored by Studium Generale with Dominicanen bookshop, Maastricht, Netherlands

Public interview by Joël De Ceulaer of *Knack* magazine, Alternative Bookfair, Antwerp

Public lecture, Darwin no Bahia – Um Encontro Celebrando o Ano Darwin 2009 e a passagem de Darwin no Bahia, sponsored by the State of Bahia Foundation of Support to Research, the Government of the State of Bahia and the University of Bahia, at Museum of Science and Technology, Salvador, Bahia, Brazil

Public interview by Paula Nadal, Diálogos Culturais do Meio-Dia, Abril Editora, São Paulo

After-dinner address, Darwin Bicentenary Dinner ('black tie, medals and decorations'), The Athenaeum, London

Public lecture, Ilkley Literature Festival, Ilkley, North Yorkshire

Public lecture, sponsored by Centre for the History of Science, Technology and Medicine, the Manchester Museum and Manchester Science Festival; University of Manchester

Roundtable discussion, Centre for the History of Science, Technology and Medicine, University of Manchester

Darwin in History: Contexts and Issues seminar series, co-sponsored by Faculty of Modern History and Faculty of Divinity, University of Oxford

November 2009

Guest lecture, Department of Animal and Plant Sciences, University of Sheffield
Post-graduate discussion group, Department of Animal and Plant Sciences, University of Sheffield

13th Annual Robert E. Grant Lecture, sponsored by Grant Museum of Zoology and Comparative Anatomy and Department of Zoology, University College London

Presentation and discussion of *Darwin's Sacred Cause*, Science and Society Reading Group, Royal Society of Edinburgh

Symposium, Darwin and Lincoln on Race and Society, Institute for Advanced Study in the Humanities, Edinburgh University), Royal Society of Edinburgh with Institute for Advanced Study in the Humanities

Public lecture, National Museum of Natural History, sponsored by the National Commission to Celebrate Charles Darwin Anniversaries, the Cuban Academy of Sciences and the British Council, Old Habana

Public lecture, Filipe Poey Museum of Natural History, University of Habana, sponsored by the National Commission to Celebrate Charles Darwin Anniversaries, the Cuban Academy of Sciences and the British Council

Plenary keynote address, 150 Years after *Origin*: Biological, Historical and Philosophical Perspectives, Victoria College, University of Toronto

December 2009

Annual Ferens Distinguished Lecture, University of Hull

February 2010

History seminar, University of Exeter Cornwall Campus, Trenough

Inaugural seminar, Darwin Reading Group, Reading University

May 2010

English Department Research Seminar with Centre for Medical History and Centre for Victorian Studies, University of Exeter

Biographical Methodologies Research Group, Open University, Milton Keynes

August 2010

Staff lecture, Museu de Zoologia, Universidade de São Paulo

Opening plenary address, Encontro de História e Filosofia da Biologia 2010, ABFHiB, Associação Brasileira de Filosofia e História da Biologia, Instituto de Biociências, Universidade de São Paulo

Seminar, Instituto de Biologia, Universidade Federal de Bahia, Salvador, Brazil

Plenary lecture, International Conference on Darwin in Communication, Center for Social Studies of Science, Beijing University, and Chinese Society for the History of Science and Technology, Beijing, People's Republic of China

September 2010

Guest lecture (with Prof. Nigel Bell and Angela Huxley Darwin, Imperial College), Visit to Down House, the Home of Charles Darwin, Master Sciences De l'Univers, Environnement, Ecologie (SDUEE) and Département des langues, Université Pierre et Marie Curie (Paris 6)

Adam Mosley

Adam Mosley is Senior Lecturer in the Department of History & Classics, Arts & Humanities, at Swansea University, where he teaches early modern history, history of science and medicine, history of the book and print culture, and history of collecting & museums, and coordinates the MA programmes in History, Early Modern History, and Modern History. In February 2010 he became Book Reviews Editor of the *British Journal for the History of Science*, and is now keen to hear from scholars at all levels with a desire to enlarge their library and read for others' intellectual profit. He continues to work, when these duties allow, on topics related to early modern astronomy and cosmology - particularly comets, with Nick Jardine and Miguel Angel Granada (Barcelona University), and cosmography - and scientific instruments.

Publications

Articles in books

'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* (Shaun Tyas, 2009), 114-136

Articles in journals

'The Cosmographer's Role in the Sixteenth Century: A Preliminary Study', *Archives internationales d'histoire des sciences* 59 (2009), 423-439

Reviews

Review of J.-P. Rubiés, *Travellers & Cosmographers: Studies in the History of Early Modern Travel and Ethnology*, in *Intellectual History Review* (2010), 273-275

Lectures, seminars and conferences

March 2010

'Science Matters, Science Matériel: A Historical Perspective on the Collecting of the Material Culture of the Sciences', *The Scientific Heritage of Wales: The Way Forward*, National Museum Cardiff

April 2010

'Cosmography & Cartography: Their Relationship Revisited', *Maps and Society* lecture series, The Warburg Institute, London

'Mapping Renaissance Astronomy: People, Places, Problems', for the Swansea Branch of The Historical Association, National Waterfront Museum, Swansea

'Mapping Renaissance Astronomy: People, Places, Problems', *The Second Annual Crawford Lecture*, Edinburgh University

June 2010

'History of Astronomy and Science', *The Seven Ages of Nick Jardine*, Peterhouse, Cambridge

Ayesha Nathoo

Ayesha Nathoo is a Research Fellow at Clare Hall and is currently on maternity leave. In 2009-2010 she continued to lecture in the department on 'The History and Politics of Global Health' and 'Science Communication'. Her book, *Hearts Exposed: Transplants and the Media in 1960s Britain*, was recently shortlisted for the Royal Historical Society's Whitfield Book Prize for the best first book on British history.

Publications

Book Reviews

Nathoo, A. Review of S.E. Lederer, *Flesh and Blood: Organ Transplantation and Blood Transfusion in Twentieth-Century America* in *Social History of Medicine* 2010 23(1), pp. 196-7

Lectures, Seminars and Conferences

December 2009

“Give and Let Live: Organ Donation Campaigns and Humanitarianism”, History in Public Health Seminar Series, London School of Hygiene and Tropical Medicine.

Jaume Navarro

Publications

Articles in books

‘Religious truth and scientific relativism’, in Evers, D., Jackelén, A., and Smedes, T.A., eds., *Studies in Science and Theology*, 12, (ESSSAT: Bamberg, 2010, 169-178.

Articles in journals

‘Electron diffraction *chez* Thomson. Early responses to quantum physics in Britain’, *British Journal for the History of Science*, 43, 2010, 245-275.

“A dedicated missionary”. Charles Galton Darwin and the new quantum mechanics in Britain’, *Studies in the History and Philosophy of Modern Physics*, 40, 2009, 316-326.

Lectures, seminars and conferences

November 2009

HSS Annual Meeting, Phoenix, Arizona. Organizer of sessions “Research and Pedagogy. A history of quantum physics through its textbooks”. Contributed paper: “Teaching Quantum Physics in Cambridge”. 19-21 November 2009.

March 2010

Invited speaker at the Universidad Autonoma de Madrid and CSIC, 9-11 March 2010. Papers: “El Imperialismo de la Fisica” and “El electron en casa de los Thomson”.

May 2010

Invited speaker at the Technische Universität Berlin, Forschungskolloquium zur Wissenschaftsgeschichte: “Electrons in the Thomson family: from waves to particles, and back again”, 26th May, 2010.

June 2010

Conference HQ-3: “Third International Conference on the History of the Foundations of Quantum Physics”, Berlin, 28th June – 2nd July, 2010. Paper: “Research and Pedagogy. An Introduction to Quantum Textbooks” (with Massimiliano Badino).

July 2010

The Ian Ramsey Centre 2010 Conference, “God and Physics”, Oxford, 7th – 10th July, 2010. Paper: “A Victorian theory of the Multiverse. The Unseen Universe and the notion of Creation”.

Alison Pearn

Alison Pearn is Assistant Director of the Darwin Correspondence Project. She was interviewed together with the Project's Director, Jim Secord, on BBC Radio 4's *Woman's Hour* about the launch of the 'Darwin and Gender' initiative (http://www.bbc.co.uk/radio4/womanshour/04/2009_30_tue.shtml 28 July 2009).

Publications

Edited books

(with F. Burkhardt and the Darwin Correspondence Project) *The Correspondence of Charles Darwin* vol. 18 (1870) (Cambridge University Press, 2010)

Articles in journals

“This excellent observer ...”: the correspondence between Charles Darwin and James Crichton-Browne, 1869–75', *History of Psychiatry*, 21 (2010), 160–175.

Lectures, seminars and conferences

October 2009

'Changing the world. Charles Darwin: public scientist, private man', *Waving not drowning: surviving in a rapidly changing world*. Trinity United Reform Church, St Albans

November 2009

'From the Beagle to earthworms: Charles Darwin's life in letters', *Darwin* lecture series, University of Plymouth and The Historical Association, Plymouth

“Yours Sincerely, Charles Darwin”: public scientist, private man'. Novacon, Nottingham
'Cast of Thousands: Charles Darwin's life in letters', *150 Years After Origin: Biological, Historical, and Philosophical Perspectives*, University of Toronto, Canada

Hilary Powell

Hilary Powell is a Wellcome Research Fellow in the history of medicine working on medieval healing shrines.

Publications

Articles in journals

'“Once Upon a Time There Was a Saint ...”: Re-evaluating Folklore in Anglo-Latin Hagiography', *Folklore*, volume 121, issue 2 August 2010, pp. 171-189.

Lectures, seminars and conferences

May 2010

'Marginal cures: landscape and healing in 11th-century England', presented at the Medieval Medicine Discussion Group, Department of History and Philosophy of Science, University of Cambridge, May 2010.

July 2010

'*Miraculous births: faith and fertility in medieval England*', presented at the Society for the Social History of Medicine Conference, University of Durham, July 2010

'A move to the country?: nature and healing in medieval England', presented at the International Medieval Congress, University of Leeds, July 2010

Katy Price

From January to May 2010 Katy Price taught 'Special Topic (Popular Science)' in the Department of Science and Technology Studies at UCL. She continues as Communications Officer for History of Science at the British Science Festival. She wrote and performed two works engaging with themes of technology in history: 'Bookmachine' at Kettle's Yard, Cambridge in May 2010 and 'Under the Yoke' (with Tom Hall) at the Supercollider Symposium, Berlin in September 2010.

Reviews

Review of A. Sangalli, *Pythagoras' Revenge: A Mathematical Mystery*, in *Annals of Science* 67 (2010), 583-585

Lectures, seminars and conferences

January 2010

'Researching early twentieth-century literature and the physical sciences' *Theories and Methods, Literature, Science and Medicine* (doctoral training event), St Deiniol's Library, Hawarden

February 2010

'Einstein's relativity in British popular culture', *Cambridge University Bluesci Society*

July 2010

'Music technology and physical effort', *British Society for the History of Science*, Aberdeen

Sadiya Qureshi

Publications

Reviews

Review of Clifton Crais and Pamela Scully, *Sara Baartman and the Hottentot Venus: A Ghost Story and Biography*, in *Journal of Imperial and Commonwealth History*, 37 (2009), 343-344

Review of Adrian Desmond and James Moore, *Darwin's Sacred Cause: How a Hatred of Slavery Shaped Darwin's Views on Human Evolution*, in *Isis*, 100 (2009), 670-671
Item

Review of Philip Prodger, *Darwin's Camera: Art and Photography in the Theory of Evolution*, in *CAA.Reviews*, <http://www.caareviews.org/reviews/1479>, July 2010.

Lectures, seminars and conferences

October 2009

'Tipu's Tiger and Images of India in British Museums, 1799-2009', Symposium on Museums, Material Culture and the British Empire, British Museum and National Maritime Museum, London

November 2009

'Dying Americans: Race, Extinction and Conservation in the New World', Annual History of Science Society Meeting, Phoenix, AZ

July 2010

'Entangled Objects': Travel, Empire and Collecting from Darwin to Haddon, Davidson College Summer School

August 2010

'What Did the Victorians do for Us', GEEMA Summer School, Cambridge

Jennifer Rampling

Jenny Rampling finished her PhD and started a three-year Wellcome Trust postdoctoral fellowship, researching the history of alchemy and medicine. She was also elected to a research fellowship at Clare Hall. In spring 2010 she co-lectured with Lauren Kassell on Part II, Paper 2, and spent two months as a Scaliger Fellow at the University of Leiden. She continues to coordinate the Graduate Network for the Society for the History of Alchemy and Chemistry (SHAC), and to edit the Society's newsletter, *Chemical Intelligence*. In January she convened the first SHAC Postgraduate Workshop in the History of Alchemy and Chemistry at HPS, and in July organised a panel on 'The Practice of Alchemy' at the BSHS Annual Meeting.

Publications

Articles in journals

'The Catalogue of the Ripley Corpus: alchemical writings attributed to George Ripley (d. ca. 1490)', *Ambix* 57 (2010), 125–201

Reviews

Review of T. Nummedal, *Alchemy and Authority in the Holy Roman Empire*, in *Technology and Culture* 51 (2010), 497–498

Lectures, seminars and conferences

December 2009

'George Ripley (d. c.1490): medicine and the royal alchemist', EMPHASIS, School of Advanced Study, London

January 2010

'Interpreting alchemy: text, image, and practice', SHAC Workshop on the History of Alchemy and Chemistry, HPS, Cambridge

February 2010

'Chemical polemic: then and now', History and Theory Reading Group, HPS, Cambridge

March 2010

'The physicians' stone: alchemical medicine in fifteenth-century England', Medieval Medicine Discussion Group, HPS, Cambridge

April 2010

'Alchemy, medicine, and the animation of matter', 56th Annual Meeting of the Renaissance Society of America, Venice

June 2010

'"Which masters call sericon": the evolution of an alchemical practice, 1471–1678', Journée d'étude sur la chimie et l'alchimie au XVIIe siècle, Université de Lille 3

'London, Prague, Leiden: the fortunes of Rudolf II's alchemical library', Scaliger Lecture, Universiteit Leiden

'Alchemy in England: some problems in the historiography of occult philosophy', REHSEIS–SPHERE, Université Paris 7

'Drawing out the soul of metals: alchemy in text, image, and practice', Center for History of Hermetic Philosophy and Related Currents, Universiteit van Amsterdam

July 2010

'Transmission and transmutation: English alchemy in the Holy Roman Empire', *On the Fringes of Alchemy*, Central European University, Budapest

'The alchemist's dilemma: distilling practices from texts', BSHS Annual Conference, Aberdeen

September 2010

'A universal solvent: English alchemy in imperial Prague', *Universal Reformation: Intellectual Networks in Central and Western Europe, 1560–1670*, St Anne's College, Oxford

Nicky Reeves

Nicky Reeves joined the AHRC funded project *The Board of Longitude 1714-1828: science, innovation and empire in the Georgian world* as a post-doctoral researcher.

Hauke Riesch

Hauke Riesch has been working at the Judge Business School on an EU FP7 funded project on the public perceptions of Carbon Capture and Storage Technology. Work so far finished includes a review of case studies on CCS and similar infrastructure projects in several European countries and we are currently running a survey on perceptions of CCS and its risks and benefits on members of the public who live nearby planned developments as well as local politicians and council officials, journalists and members of environmental groups. Hauke is also participating in a parallel study on environmental groups and political parties' views on the technology. Next to that Hauke has been developing some theoretical classifications of risk together with former colleague David Spiegelhalter which Hauke applies also to CCS and in a separate paper to bio-fuels, and is currently planning to write up some ideas on integrating sociology and philosophy of science. Hauke has also been teaching a first year introductory course on science and technology studies to medical students at UCL during the spring term.

Publications

Articles in journals

Riesch, H: "Simple or simplistic? Scientists' views on Occam's razor", *THEORIA: An International Journal for Theory, History and Foundations of Science* 2010 25(1): 75-90

Riesch, H: "Theorising boundary work as representation and identity", *Journal for the Theory of Social Behaviour* (pre-published on-line) doi:10.1111/j.1468-5914.2010.00441.x

Riesch, H: "Changing news: Re-adjusting science studies to online newspapers", *Public Understanding of Science* (pre-published on-line) doi:10.1177/0963662510376342

Online

Desbarats, J; Upham, P; Riesch, H; Reiner, D; Brunsting, S; de Best-Waldhofer, M; Duetschke, E; Oltra, C; Sala, R and McLachlan, C: "Review of the Public Participation Practices for CCS and non-CCS Projects in Europe", NearCO2 WP1.2 final report available at:

http://www.communicationnearco2.eu/fileadmin/communicationnearco2/user/docs/WP1.2Final_report.pdf

Desbarats, J; Brunsting, S; Duetschke, E; Upham, P; de Best-Waldhober, M; Riesch, H and Reiner, D: "Mapping Opinion Shaping Factors that Influence Acceptance of CCS Prior to and After Project Planning", NearCO2 WP1.3 final report available at: http://www.communicationnearco2.eu/fileadmin/communicationnearco2/user/docs/WP1_3Final_Report.pdf

Lectures, seminars and conferences

October 2009

Science and Technology Studies departmental seminar series, UCL (with David Spiegelhalter). Paper title: "*Levels of risk*"

November 2009

Changing Parenting Culture, Seminar 3: Child-rearing in a risk society, Aston University, invited discussant

"*What Next for Science Activism in the New Media?*" Panel member in Westminster Skeptics in the Pub

March 2010

Co-organiser of "the 'booms' of popular science publishing" conference, Imperial College London

July 2010

Science in Public conference, Imperial College London (with Jonathan Mendel) Paper title: "Science blogging and the internets: networks, boundaries and limitations"

September 2010

EASST conference, Trento (with David Reiner) Paper title: "*Different levels of uncertainty in Carbon Capture and Storage technologies*"

10th International conference on Greenhouse Gas Control Technologies conference poster presentation (with David Reiner) Poster title: "*Different levels of uncertainty in Carbon Capture and Storage technologies*"

Challenging Models in the face of Uncertainty conference, CRASSH, University of Cambridge (with Paul Upham, Patricia Thornley and Julia Tomei). Paper title "*The sustainability of woody biomass supply for UK bioenergy: a post-normal approach to environmental risk and uncertainty*"

Eleanor Robson

Publications

Edited books

(with H D Baker and G G Zólyomi) *Your Praise is Sweet: a Memorial Volume for Jeremy Black from Students, Colleagues and Friends* (British Institute for the Study of Iraq, 2010)

Articles in books

(with K S Isma'el) 'Arithmetical tablets from Iraqi excavations in the Diyala' in H D Baker, E Robson and G 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, 2010), 151–164

(with N Ohgama) 'Scribal schooling in Old Babylonian Kish: the evidence of the Oxford tablets' in H D Baker, E Robson and G 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, 2010), 207–236

Online

Additions and updates to *The Geography of Knowledge in Assyria and Babylonia, 700–200 BC*: oracc.museum.upenn.edu/gkab

Additions and updates to *The Digital Corpus of Cuneiform Mathematical Texts*:
oracc.museum.upenn.edu/dccmt

(with K Radner) additions and updates to *Knowledge and Power in the Neo-Assyrian Empire*: knp.prs.heacademy.ac.uk

(with S J Tinney, M-F Besnier, G Cunningham, and G Van Buylaere) additions and updates to *The Corpus of Ancient Mesopotamian Scholarship*:
oracc.museum.upenn.edu/cams/gkab

(with S J Tinney and N Veldhuis) curation, development and documentation of *The Online Richly Annotated Cuneiform Corpus*: oracc.museum.upenn.edu

Reviews

Review of W G Lambert, *Babylonian Oracle Queries*, in *Bulletin of the School of Oriental and African Studies* 72 (2009), 559–560

Review of S Cuomo, *Technology and Culture in Greek and Roman Antiquity*, in *British Journal for the History of Science* 42 (2009), 451–453

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* 43 (2010), 228–229

Review of C Proust, *Tablettes mathématiques de Nippur*, in *Annals of Science* 67 (2010), 288–290

Lectures, seminars and conferences

October 2009

‘The geography of knowledge in Assyria, Babylonia, and cyberspace’, Office for the History of Science and Technology, University of California, Berkeley
(with L Pearce, S J Tinney and N Veldhuis) ‘Digital cuneiform’, Department of Near Eastern Languages and Cultures, University of California Berkeley

November 2009

‘Mathematical knowledge in ancient Babylonia’, Assyriological seminar, University of Heidelberg, Heidelberg

‘Libraries in first-millennium Assyria and Babylonia’, *The Earliest Libraries: Library Tradition in the Ancient Near East from the Dawn of History until the Roman Era, c. 3200 BC–200 AD*, Centre for Canon and Identity Formation, University of Copenhagen

February 2010

‘What’s it got to do with us? Dealing with Iraqi cultural heritage in the UK’, *Seven Years On: the Iraq National Museum, Iraq National Library and Archive and Cultural Heritage in Iraq*, Birkbeck University of London

June 2010

Discussant and chair, ‘Stop! Collections at the border’, *Disciplinary Measures? Histories of Egyptology in Multi-Disciplinary Context*, Institute of Archaeology, University College London

‘Bel, the Dragon, and Henry Fox Talbot’, *William Henry Fox Talbot: Beyond Photography*, Centre for Research in Arts, Social Sciences, and Humanities, Cambridge

July 2010

'The "stream of tradition" 50 years on', 56e Rencontre Assyriologique Internationale, Barcelona

September 2010

'Learning mathematics and science in the ancient Middle East', *Building Mathematical and Scientific Talent in the Broader Middle East and North Africa Region*, Royal Scientific Society, Amman

Leon Rocha

Leon Rocha was Lecturer in the History of Medicine at Yale University for the 2009-10 academic year. In July 2010 he submitted his doctoral thesis, *Sex, Eugenics, Aesthetics, Utopia in the Life and Work of Zhang Jingsheng (1888-1970)*, and took up the D. Kim Foundation for the History of Science and Technology in East Asia Postdoctoral Research Fellowship at the Needham Research Institute, Cambridge and the Department of History and Philosophy of Science. He was appointed Director of Studies in History and Philosophy of Science at St. John's College and senior member at Robinson College.

Lectures, seminars and conferences

May 2010

'*Scientia Sexualis* versus *Ars Erotica*: From French Theory to Sinological Networks', *Themed Lecture Series: Medicine Across Asia*, Wellcome Trust Centre for the History of Medicine at University College London

'Of "Flying Eagles" and "Baby Killers": The Politics of Sweetened Condensed Milk in Southeast Asia, 1880s-1980s', Twentieth-Century Think Tank, Department of History and Philosophy of Science, University of Cambridge

August 2010

'Acupuncture, Infertility and IVF: Transnational Intersections of Complementary / Alternative Medicine and Reproductive Technologies', *The (After)Life of Traditional Knowledge: The Cultural Politics and Historical Epistemology of Chinese Medicine*, University of Westminster

September 2010

"The Other Baby Killer"? The Politics of Sweetened Condensed Milk in Malaysia in the 1970s and 80s', *Potent Substances: On the Boundaries of Food and Medicine*, Wellcome Trust Centre for the History of Medicine at University College London

Colin A. Russell

Colin Russell is Emeritus Professor in the History of Science, the Open University; Royal Society of Chemistry Wheeler Lecturer (March 2009).

Publications

Books

From Atoms to Molecules: Studies in the History of Chemistry from the 19th Century, Variorum Collected Studies, Ashgate Press, Farnham, 2010 [ISBN 978-0-7546-6855-8].

Articles in books

Chapter: "Some early responses to the special properties of water", in, Ruth M. Lynden-Bell, Simon Conway Morris, John D. Barrow, John L. Finney, and Charles L. Harper, Jr., (eds). *Water and Life: The Unique Properties of H₂O*, CRC Press, Boca Raton, Florida / Taylor & Francis Group, London, 2010.

Lectures, seminars and conferences

June 2010

Public Lecture on 'Sir Edward Frankland', to commemorate the deposit of his family archives, John Rylands Library (University of Manchester),

Christine F. Salazar

Since January 2010, Christine Salazar has been a part-time employee of Newcastle University, as Research Associate of the Wellcome-funded 'Towards a Galen in English' project headed by Prof. P. J. van der Eijk (now at the Humboldt-Universität, Berlin). Her current task consists in translating Galen's commentary on Hippocrates' *Prognostics*. Alongside this, she is continuing work on the book that is to be the result of her own project (funded by the Oesterreichische Nationalbank), *Early Byzantine Medicine – A Sourcebook*. She is now also the supervisor for three dissertations on various aspects of ancient medicine at the Medizinische Universität Wien (Vienna).

Publications

Edited books

Brill's New Pauly, vol. 15 (Tuc-Zyt) (Brill 2010)

Brill's Historical Atlas of the Ancient World (Brill 2010)

Lectures, seminars and conferences

December 2009

One-day seminar on Graeco-Roman medicine ('Antike Medizin') at the Medizinische Universität Wien; Vienna, Austria

July 2010

Attendance at the Arbeitskreis Alte Medizin; Mainz, Germany

August 2010

Attendance at a workshop for the 'Towards a Galen in English' project; Humboldt-Universität, Berlin, Germany

Simon Schaffer

In 2009-10 Simon Schaffer held the second year of a Leverhulme Major Research Fellowship. He was awarded a Pilkington Teaching prize by the University of Cambridge and the Ivan Slade Prize by the British Society for the History of Science. He broadcast on the calculus dispute (*In Our Time*, BBC Radio 4) and on the history of the Royal Society (*The Royal Society and Modern Science*, BBC Radio 4). He was principal investigator in a successful application to AHRC for a collaborative project on the history of the Board of Longitude (2010-14).

Publications

Edited books

(with Lissa Roberts, Kapil Raj and James Delbourgo) *The Brokered World: Go-betweenes and Global Intelligence 1770-1820* (Science History Publications, 2009)

(with Nick Hopwood and Jim Secord) *Seriality and Scientific Objects in the Nineteenth Century*, special issue of *History of Science* 48 (2010), 251-494

Articles in books

'The Asiatic enlightenment of British astronomy' in Simon Schaffer, Lissa Roberts, Kapil Raj and James Delbourgo (eds), *The Brokered World: Go-betweenes and Global Intelligence 1770-1820* (Science History Publications, 2009), 49-104

'Knowledge is an institution' in David Cayley (ed.), *Ideas on the Nature of Science* (Goose Lane Editions, 2009), 17-33

'Charged atmospheres: Promethean science and the Royal Society', in Bill Bryson (ed.), *Seeing Further* (Harper Collins, 2010), 131-55

'Keeping the books at Paramatta', in David Aubin, Charlotte Bigg and Otto Sibum (eds), *The Heavens on Earth: observatory techniques in the nineteenth century* (Duke University Press, 2010), 118-147

'Foreword' in Peter Morris (ed), *Science for the nation: perspectives on the history of the Science Museum* (Palgrave Macmillan, 2010)

Articles in journals

'Lovejoy's series', *History of Science* 48 (2010), 483-94

'The astrological roots of mesmerism', *Studies in history and philosophy of biological and biomedical sciences* 41 (2010), 158-68

Lectures, seminars and conferences

November 2009

Invited speaker, *Microsoft prize for Scientific Humanities*, Sciences-Po Paris

February-March 2010

Turner Lecturer, Trinity College Cambridge, *Histories of astronomy and empire*

April 2010

Centenary lecture, Science Museum London: *What is public science?*

May 2010

Invited commentator, Cambridge Historical Society & Trevelyan Distinguished Visiting Lecture: *Enlightenment and empire*

June 2010

Commentator, Conference on William Henry Fox Talbot, CRASSH, Cambridge

August 2010

Plenary lecture, *Sawyer Conference on Atlantic world in a Pacific Field*, University of Sydney

September 2010

Invited speaker, Giorgio Cini Foundation Venice, *Dialogue on Protecting Nature or Saving Creation*

Anne Secord

Lectures, seminars and conferences

November 2009

'Coming to attention: observing nature at the edges during the Napoleonic Wars',
Cabinet of Natural History seminar, HPS, University of Cambridge

April 2010

'Observing nature at the edges: British naturalists on the shore during the Napoleonic Wars', Environmental and Agricultural History seminar, MIT, Cambridge, Mass.

June 2010

'Talbot's first lens: botanical vision as an exact science', *William Henry Fox Talbot: Beyond Photography*, CRASSH, University of Cambridge

July 2010

'Classifying imperfection, or, how to observe marine plants', Annual Conference of the British Society for the History of Science, University of Aberdeen

Jim Secord

The early part of this academic year saw the 150th anniversary of the *Origin of Species*, which offered many opportunities for appearances on television and radio, from 'Women's Hour' on Radio 4 and 'Bang Goes the Theory' on BBC One TV, to National Public Radio in the US; these were mostly in connection with his continuing role as Director of the Darwin Correspondence Project. A highlight was speaking at John Murray's in London on the anniversary of the *Origin's* publication. He also was active in the HPS Department's Generation to Reproduction activities, and the ongoing work of the Leverhulme-funded 'Past versus Present in Victorian Britain' project of the Cambridge Victorian Studies Group.

Publications

Edited books

(with F Burkhardt et al) *The Correspondence of Charles Darwin, vol. 18, (1870)*
(Cambridge University Press, 2010)

Articles in books

'Global Darwin' in W Brown and A C Fabian (eds) *Darwin* (Cambridge University Press, 2010), 31-57

Articles in journals

'Introduction' to focus section on 'Darwin as a cultural icon' *Isis* 100 (2009), 537-541

'The secret history of Victorian evolution', *Journal of Cambridge Studies* 4 (2009), 23-36
(with Haiyan Yang) 'A non-Darwinian in the Darwin year', *Journal of Cambridge Studies* 4 (2009), 46-55

(with N Hopwood and S Schaffer) 'Seriality and scientific objects in the nineteenth century', *History of Science* 48 (2010), 251-285

Lectures, seminars and conferences

October 2009

'Darwin's libraries', *University Library Visiting Committee*, University of Cambridge
'Global Darwin', *Danby Society*, Downing College

November 2009

'Charles Darwin and the world of geology', *Founder's Day Lecture*, Geological Society of London

'Darwinism and the global circulation of news', *Darwin's Living Legacy Meeting*, Alexandria, Egypt

'Global Darwin', *History of Science Seminar Series*, Faculty of History, University of Oxford

January 2010

'Science and the public', *Triple Helix*, University of Cambridge

June 2010

'Commentary', *Beyond Photography: William Henry Fox Talbot*, CRASSH, University of Cambridge

July 2010

'Nebular visions: John Pringle Nichol and the *Architecture of the Heavens*, *Annual Meeting, British Society for the History of Science*, University of Aberdeen

August 2010

'Darwinism and the global circulation of news', *Darwin in Communication*, Peking University, Beijing, China by remote link)

'Science in the media', *Science Parliament*, University of Cambridge

Richard Serjeantson

Richard Serjeantson is a Fellow, Tutor, and Director of Studies at Trinity College, Cambridge; a Newton Trust Lecturer in the History Faculty of the University of Cambridge; and an Affiliated Research Scholar of the Department of History and Philosophy of Science.

Publications

Articles in books

'Samson Agonistes and "Single Rebellion"', in Nicholas McDowell and Nigel Smith, eds., *The Oxford Handbook of Milton* (Oxford: Oxford University Press, 2009), pp. 613–31.

Articles in journals

(with Thomas Woolford), 'The scribal publication of a printed book: Francis Bacon's *Certaine considerations touching ... the Church of England* (1604)', *The Library*, 7th ser., 10 (2009), pp. 119–56.

Lectures, seminars and conferences

February 2010

'Francis Bacon and the Politics of Learning'. Paper delivered to the early modern seminar at the University of Leeds, 23 February 2010.

April 2010

'Two species of early modern editing'. Paper delivered to the first annual conference of the Centre for Material Texts, University of Cambridge. 6 April 2010.

May 2010

'Law and Education early modern utopianism'. Paper delivered to the colloquium 'Social and Scientific Utopias in Early Modern Philosophy'. University of Aberdeen, 29 May 2010.

June 2010

'Erudition in Enlightenment: A Heterodox Story'. Paper delivered to the Early Modern Philosophy and the Scientific Imagination Seminar (EMPHASIS), University of London, 5 June 2010.

July 2010

'The *Oxford Francis Bacon*'. Paper delivered to the 'Works in Progress' conference. De Montfort University, Leicester, 5 July 2010.

'Print, Manuscript, and the Dissemination of Ideas'. Keynote address to the conference 'Circulating Ideas in Early Modern Europe'. The Royal Society, 9 July 2010.

'Francis Bacon and the Politics of Empire'. Paper delivered at the annual conference of the Society for Renaissance Studies. University of York, 16 July 2010.

September 2010

'Becoming a Philosopher in Seventeenth Century Britain'. Keynote address to the conference 'Education and Learning in Early Modern Britain'. Trinity Hall, Cambridge, 24 September 2010

Emma Spary

Publications

Reviews

Spary, E.C. (2009) Review of O.P. Grell and A. Cunningham (eds), *Medicine and Religion in Enlightenment Europe*, Ashgate, and B. Bensaude-Vincent and C. Blondel (eds), *Science and Spectacle in the European Enlightenment*, Ashgate, in *Intellectual History Review* 19.3: 381-383.

Spary, E.C. (2010) Review of C.A. Hanson, *The English Virtuoso: Art, Medicine and Antiquarianism in the Age of Empiricism*, Chicago, in *Centaurus* 52.3: 267-268

Books

Spary, E.C. and Klein, U. (eds) (2010) *Materials and Expertise in Early Modern Europe: Between Market and Laboratory*, 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 and Conferences

February 2010

Spary, E.C. "Das tägliche Brot? Pariser Apotheker und das Problem der Stärke zwischen Politik und Lebensmittelchemie in den 1770er Jahren" – 2. Schweizerische Geschichtstage, Universität Basel.

May 2010

Spary, E.C. "The Economy of Matter in Parisian Medical Chemistry, 1770-1795", conference "On Balance", University of Exeter.

Spary, E.C. "Parisian Pharmacy and the Reinvention of *Économie*: Three Cases, 1760-1810", workshop "Economies of Improvement: Technological Innovation, Science and the Public Sphere in the Eighteenth Century", University of Warwick.

Jacqueline Stedall

Lectures, seminars and conferences

November 2009

'Mathematical lives: Newton, Abel, and du Chatelet', *Sonja Kovalevskay-dagarn*, University of Uppsala

April 2010

'John Wallis as controversialist: his quarrels with Fermat, Pascal, Dulaurens, and Descartes', *John Wallis: correspondent and controversialist*, Oxford

Liba Taub

Liba Taub is Director and Curator of the Whipple Museum, and Reader in HPS; she was promoted to a personal chair, becoming Professor of History and Philosophy of Science from 1 October 2010. A Fellow of Newnham College, she is Director of Studies in HPS and an Assistant Tutor. Together with Aude Doody (UCD Dublin) and Sabine Föllinger (Bamberg), she organised the Workshop on Ancient Greek and Roman Scientific, Medical and Technical Writing which was held at the Otto-Friedrich-Universität in Bamberg in March 2010. She discussed Pliny's *Natural History* with Serafina Cuomo, Aude Doody and Melvyn Bragg on *In Our Time* on BBC Radio 4 on 8 Jul 2010 (available to listen at www.bbc.co.uk/programmes/b00sxj1z). She serves on the Wissenschaftliche Beirat of the Deutsches Museum (Munich) and the UK Spoliation Advisory Panel. The TOPOI Excellence Cluster in Berlin nominated her for an Einstein Visiting Fellowship.

Publications

Edited volumes

On Scientific Instruments (editor of special issue, *Studies in History and Philosophy of Science* Volume 40, Issue 4, pages 337-438 (December 2009))

Articles in books

'Meteorology', in *Oxford Encyclopedia of Ancient Greece and Rome*, Editor-in-Chief: Michael Gagarin, Oxford, 2009.

(with Ruth Horry) At the sign of the 'Laboratory of Physical Chemistry': Preserving and presenting histories of chemistry at Cambridge, in *Spaces and Collections in the History of Science: The Laboratorio Chimico Overture*, eds. M.C. Lourenço & A. Carneiro, Museum of Science of the University of Lisbon, 2009, 191-201.

Articles in journals

'On Scientific Instruments', Introduction to Special Issue of *Studies in History and Philosophy of Science* Volume 40, Issue 4, pages 337-343 (December 2009) .
, 'Das Lebewesen und die Erde: Analogie oder Metapher in physikalischen Erklärungen der Antike?', *AKAN (Antike Naturwissenschaft und ihre Rezeption)* XX, ed. Jochen Althoff, Sabine Föllinger, Georg Wöhrle, Trier, 2010, 1-14.

Reviews

Review of Görel Cavalli-Björkman and Svante Lindqvist (eds), *Research and Museums (RAM): Proceedings of an International Symposium in Stockholm, 22-25 May 2007* (Archives of the Nobel Museum 11, Nationalmusei skriftserie N.S. 20). Stockholm: National Museum Stockholm, The Nobel Museum, 2008. *Nuncius* 2009.2
Review of Bruce S Eastwood, *Ordering the heavens: Roman astronomy and cosmology in the Carolingian Renaissance*, Brill, 2007. *British Society for the History of Mathematics Bulletin* Volume 25 (2010), 1–8.

Lectures, seminars and conferences

February 2010

"Translating the *Phaenomena* across genre, language and cultures", Israel Science Foundation, Bar Ilan University—Faculty of the Humanities International Workshop: The Jews and the Sciences of the Stars Session IV: Almagest and Hellenistic Astronomy

March 2010

On the forms and 'genres' of Greek mathematical writing: Thinking about Mathematical Texts and Modes of Mathematical Discourse Workshop on Ancient Greek and Roman Scientific, Medical and Technical Writing Otto-Friedrich-Universität Bamberg

May 2010

"On the variety of forms and "genres" of ancient Greek mathematics". *Coloquio Internacional "Veinte Siglos de Ciencia Griega" Instituto de Estudios Clásicos "Lucio Anneo Séneca" Universidad Carlos III de Madrid*

Laurence M.V. Totelin

This year was Laurence Totelin's first year as a lecturer in Ancient History at Cardiff University. In addition to finding her feet in her new institution, she organised 'Approaches to Ancient Medicine 2010'.

Publications

Articles in books

'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, 2009) 81–92

Reviews

Review of C. Gill, T. Whitmarsh and J. Wilkins (eds.), *Galen and the World of Knowledge*, in *The British Journal for the History of Science* 43 (2010), 478-479.
Review of A. Mayor, *The Poison King: The Life and Legend of Mithradates Rome's Deadliest Enemy*, in *Isis* 101 (2010), 639-640.
Review of B. Wickkiser, *Asklepios, Medicine, and the Politics of Healing in Fifth-Century Greece: Between Craft and Cult*, in *Medical History* 54 (2010), 271–272.

Review of T. Rütten, *Geschichten vom Hippokratischen Eid* (CD-ROM), in *Medical History* 54 (2010), 135–136.

Lectures, seminars and conferences

March 2010

'When remedies mean big business – branding (?) and ancient pharmacology', Ancient History Seminar, Cardiff University.

May 2010

'Cooking up the Greeks: Mrs Beeton and the ancients', Visions of the past: ancient and modern, Gregynog.

September 2010

'When foods become remedies: the curious case of Greek garlic and other substances', Potent substances, University College London.

'Endoxa pharmaka: fame and fortune of pharmacological recipes across time and genres', The Medical Profession in Antiquity: Genres and Purposes, University of Oslo.

Martin Underwood

Publications

Articles in journals

'Joseph Rotblat: His Life and Achievements' published in Polish in 'Advances in Physics', *Postepy Fizyki* 60 (5) (2009), 198-204

Lectures, seminars and conferences

June 2010

'Joseph Rotblat and The Bomb', *British Nuclear Culture* University of Liverpool

July 2010

'Joseph Rotblat, Bertrand Russell and The Bomb', *Science and The Public* 2010 Imperial College University London

Rick Welch

Publications

Articles in journals

'Physiology, Physiomics, and Biophysics: A Matter of Words', *Progress in Biophysics and Molecular Biology* 100 (2009), 4-17.

(with J S Clegg) 'From Protoplasmic Theory to Cellular Systems Biology: A 150-Year Reflection', *American Journal of Physiology – Cell Physiology* 298 (2010), C1280-C1290. [Inaugural article for the new 'Historical Perspectives' section of the journal]

Lectures, seminars and conferences

October 2009

'C P Snow: The Human Side', University of Maryland, Baltimore [Opening lecture in the university's series celebrating the 50th anniversary of Snow's *The Two Cultures*]

April 2010

Invited panelist for the online symposium on 'Visual Culture and Evolution', 5-14 April 2010, sponsored by the Cultural Affairs Program of the U S National Academy of

Sciences [Also a member of the organizing committee and co-editor of the upcoming proceedings]

Paul White

Publications

Books

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

Articles in books

White, P. "Korrespondenz als Medium der Rezeption und Aneignung", in *Charles Darwin und seine Wirkung*, E.-M. Engels, ed. Suhrkamp Verlag, 2009. Pp. 58-79.

Articles in journals

White, P. "The Emotional Economy of Science", *Isis* (December 2009) 792-7.

White, P. "Darwin's Emotions: The Scientific Self and the Sentiment of Objectivity", *Isis* (December 2009) 811-26.

White, P. "Darwin's Church", *Studies in Church History* 46 (2010): 333-52.

Lectures, Seminars and Conferences

September 2009

"Science without Sympathy", Symposium on Darwin, Medicine and the Humanities, University of Exeter

October 2009

"Darwin, Conception, and the Geological Sublime", Workshop on Witness to Disaster, Barnard College, Columbia University

December 2009

"What Do Emotions Express?", Cambridge Philosophical Society

March 2010

"Darwin's Correspondence and Sentimental Culture", Clare College, Cambridge

May 2010

"Darwin's Emotions and the Problem of Expression", Scuola Normale Superiore, Pisa

June 2010

"Correspondence and the Study of Reception", School of Advanced Study, University of London

September 2010

"The Sublimity of Destruction", British Association for Victorian Studies, University of Glasgow

Frances Willmoth

In this past year Frances Willmoth's academic attention has been focused on two areas: one the relationship between John Flamsteed, Ole Römer and Römer's identification of the speed of light; the other the history of the Fens and their drainage. She has prepared a commentary on Jonas Moore's 1658 Mapp of the Great Levell for a forthcoming facsimile publication by Cambridgeshire Records Society, and has engaged in informal discussions with colleagues in various disciplines which have led to the emergence of the 'Fens Historic Environment Project'.

Lectures, seminars and conferences

November 2009

'Fens Maps and Moore's Mapp', paper given at Emmanuel College, Cambridge, in the series Cambridge Seminars in the History of Cartography

March 2010

'Fens Maps and Moore's Mapp', given as a talk in the 'Fenland History on Fridays' series based at Ely Library

John Young

John Young joined HPS on 1 April 2010, as Research Associate on the Casebooks Project (<http://www.hps.cam.ac.uk/casebooks/>) under the directorship of Lauren Kassell and in collaboration with Robert Ralley and Michael Hawkins. His time has been primarily devoted to drafting guidelines for transcription and XML-encoding of the medical/astrological casebooks of Simon Forman and Richard Napier, in consultation with these colleagues. Robert Ralley and John between them have now transcribed and encoded over 2,000 entries from said casebooks.

Lectures, seminars and conferences

December 2009

'Le projet Newton' at 'Le patrimoine à l'ère du numérique' ('Heritage in the digital age') conference, Université de Caen

September 2010

'Utopian artificers: Samuel Hartlib's promotion of German technology in the English Commonwealth' at the 'Universal Reformation' conference, St Anne's College, Oxford

Seminar Programmes

Michaelmas 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 Alex Broadbent.

- 22 October **Richard Barnett (HPS, Cambridge)**
Dr Lauder Lindsay's lemmings: mad beasts and misanthropy in a Victorian asylum
- 29 October **John Worrall (London School of Economics)**
A philosopher of science looks at medicine: *do* we 'need some large, simple randomized trials'?
- 5 November **Alexander Bird (University of Bristol)**
Social knowing
- 12 November **Melanie Keene (Homerton College, Cambridge)**
Learning things: the objects of familiar science in nineteenth-century Britain
- 19 November **Sabina Leonelli (University of Exeter)**
Dynamic (bio)ontologies for good epistemology
- 26 November **Stephen Gaukroger (University of Sydney and University of Aberdeen)**
Picturability and the mathematical ideals of knowledge: Leibniz versus Newton
- 3 December ***Fifth Cambridge Wellcome Lecture in the History of Medicine*
Angus McLaren (University of Victoria)**
Divorcing sex and reproduction: the discussion of artificial insemination in Britain, 1918–1948

Abstracts

- 22 October **Richard Barnett (HPS, Cambridge)**
Dr Lauder Lindsay's lemmings: mad beasts and misanthropy in a Victorian asylum

If you read the DNB entry on William Lauder Lindsay, you might be forgiven for concluding that the high point of this Scottish physician's career was his *Memoir on the Spermogones and Pycnides of Lichens*, published in 1870. But in *Mind in the Lower Animals in Health and Disease*, written at the end of his life in 1879, Lindsay ranged across continents and millennia, pillaging writers from Pliny to Darwin and ushering his readers into a dark, destabilised world of simian neurosis and reptilian psychosis,

suicidal scorpions and deranged, Prufockian lemmings. In this talk I want to grab *Mind in the Lower Animals* by its provocatively twitching tail. I will argue that Lindsay's sentimental anthropomorphism, and his engagement with both evolutionary theory and Spiritualism, marked him out as distinctively Victorian, responding to the hopes and anxieties of the British nineteenth century.

29 October **John Worrall (London School of Economics)**

A philosopher of science looks at medicine: *do* we 'need some large, simple randomized trials'?

A number of arguments have convinced nearly all of the medical community that randomized controlled trials provide the most telling, most scientifically weighty evidence for the efficacy of any treatment. Earlier work suggests that all but one of these arguments fail to withstand critical scrutiny. The exception is the argument from 'selection bias'. Although this argument sounds very plausible, I suggest in this talk that it faces a number of both epistemological and practical problems. In particular it focuses attention on the relatively under-emphasised (epistemic) issue of 'external validity' (generalisability to the 'target population') and on practical issues about the significance of (very) large trials aimed at detecting small effects.

5 November **Alexander Bird (University of Bristol)**

Social knowing

There is a social or collective sense of 'knowledge', as used, for example, in the phrase 'the growth of scientific knowledge'. I show that social knowledge does not supervene on facts about what individuals know, nor even what they believe or intend, or any combination of these or other mental states. Instead I develop the idea that social knowing is an analogue to individual knowing. The analogy focuses on the functional role of social and individual knowing.

12 November **Melanie Keene (Homerton College, Cambridge)**

Learning things: the objects of familiar science in nineteenth-century Britain

'To many a Royal Society, the Creation of a World is little more mysterious than the cooking of a Dumpling' – Thomas Carlyle, *Sartor Resartus* (1838). The use of familiar objects as both physical didactic devices and literary pedagogic analogies was particularly prevalent and powerful in nineteenth-century science education. Candles and cups of tea, pebbles and primroses, salt and see-saws were recruited to explain and entertain, as everyday science was placed at the heart of Victorian domestic life. In this talk I shall introduce the aims and artefacts of 'familiar science', exploring how the quotidian world of commonplace artefacts was used to communicate facts and phenomena – in short, how learning things was achieved through learning with things.

19 November **Sabina Leonelli (University of Exeter)**

Dynamic (bio)ontologies for good epistemology

I will explore the significance of a newcomer in the epistemology of biology: the bio-ontology, a classification tool that has come to play a crucial role in the dissemination of results across research contexts, as well as in the extraction of inferences and testable hypotheses from available datasets. I will analyse the characteristics of bio-ontologies and illustrate how their use is affecting experimental practices in biology. I will then

show that bio-ontologies' success as research tools lies in their capability to change in response to new developments. I will conclude that the case of bio-ontologies exemplifies a fundamental characteristic of any ontology underlying scientific inquiry: a strong interdependence with epistemic practices.

26 November **Stephen Gaukroger (University of Sydney)**

Picturability and the mathematical ideals of knowledge: Leibniz versus Newton

There had been a widely-held view in the seventeenth century that the Fall had dulled Adam's senses, and that the use of artificial aids might effect the restoration of their pre-lapsarian acuity. But while there had also been a widespread view that reason too had been impaired in the Fall, this was generally diagnosed in terms of the passions triumphing over reason, the remedy being to control the passions. I offer an interpretation of Leibniz's account of the calculus as holding that artificial aids can correct reason itself. Newton developed a version of infinitesimal calculus in the early 1670s but abandoned it on the grounds that it used procedures that could not be justified. They were black boxes: one put in the premisses and generated the right results, but had no grasp on what was going on in the middle. In fact, both Newton and Leibniz agreed that infinitesimal calculus required justification in terms of limit procedures, which were geometrical and open to inspection at every stage. The difference was that Newton believed that this meant that any procedure using infinitesimal calculus had to be translated into geometrical limit procedures, whereas Leibniz believed that it was only the general technique that had to be justified in terms of limit procedures, and that, once this was done, it was not required that one justify each and every operation employing infinitesimals in this way. Leibniz's approach is not driven by pragmatic concerns, however, but rather by a view that the calculus extends human capacities in new ways into new areas: it goes beyond our natural faculties and hence we cannot expect our natural faculties to be able to legitimate it. This raises the general question of whether we can employ procedures of enquiry whose workings transcend our faculties.

3 December ***Fifth Cambridge Wellcome Lecture in the History of Medicine***
Angus McLaren (University of Victoria)

Divorcing sex and reproduction: the discussion of artificial insemination in Britain, 1918–1948 A 1922 trial marked the first time in history that a common law court dealt with the subject of artificial insemination. Why did the issue surface at this particular time? Seeking to provide some answers directs our attention to the ways in which commentators in the inter-war years attributed enormous social significance to a rarely employed but simple form of medical treatment. In the early twentieth century, just as the subject of birth control split the medical world into radical and populist types in favour of such discussions and the professional elite who were opposed, remarkably similar responses were made to the issue of artificial insemination. Two additional points are made by extending our investigation into the 1930s and 40s. The first, which is hardly surprising, is that a procedure welcomed by some as a remedy for the unhappily infertile was long regarded by others as posing a threat to Christian morality, traditional gender relationships, and the respectability of the medical profession. The second and more unexpected finding is that such debates reveal the extent and tenacity of eugenic notions in Britain. Both opponents and defenders of artificial insemination argued that they were motivated by a desire to improve the race.

Discussion led by Angus McLaren

Thursday 3 December at 11.30am in Seminar Room 1 – all welcome
'A race of human machines': robots and eugenics in inter-war Britain

In April, 1923 the play *R.U.R. or Rossum's Universal Robots* by the Czech dramatist Karel Čapek was presented at St Martin's Theatre. As a result, the term 'robot' entered the English language and such humanoids were immediately hailed as icons of modernity. In the inter-war period a host of commentators wrestled with the challenges posed by such 'mechanical slaves'. Why such a fascination? Many of the reasons are fairly obvious. For many in Britain, uncertain of the benefits of mechanization, the mechanical man threatened to displace the human worker. What is less obvious is that the robot story enjoyed added resonance because it could also be read as a eugenicist parable. It is no exaggeration to say that when the British were talking about automatons they were consciously or not talking about the lower classes and how they might best be controlled. Robot stories and eugenic accounts told much the same tale. They both highlighted the promises and threats posed by modernity. The harnessing of science and industry, they argued, could lead to unparalleled progress, but if not directed by an enlightened elite with the interests of the race at heart, the unleashed forces of rationalization would cause disaster.

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. Organised by Nick Jardine and Tim Lewens.

- 8 October **Nick Jardine**: Introduction to research resources in HPS
Ayesha Nathoo: Modern medicine and media research
Josh Nall and Caitlin Wylie: Researching in the Whipple Museum
Billy Wheeler: Non-standard resources for philosophy of science
- 15 October **Patricia Fara**: Scientific images
Nick Whitfield: Archives
Sacha Golob: Reading continental philosophy
John Forrester: Crucial trivia

Evolution Reading Group

This group discusses readings in the themes, ideas and individuals associated with theories of evolution in the eighteenth, nineteenth and 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. Meetings are held on **alternate Thursdays at 1pm in Seminar Room 1**. All are welcome, and please feel free to bring lunch. For more information, please contact Jenny Bangham, Richard Barnett or Caitlin Wylie.

- 15 October Erasmus Darwin, 'The Temple of Nature, or, The Origin of Society' (1803), Canto 1, 'Production of Life', and 'Additional Notes. Spontaneous Vitality of Microscopic Animals'. Available online at www.rc.umd.edu/editions/darwin_temple/toc.html
- 29 October Daniel P. Todes, 'Darwin's Malthusian metaphor and Russian evolutionary thought, 1859–1917', *Isis* 78 (1987), 537–551
- 12 November J.B.S. Haldane, 'Daedalus, or, Science and the Future: a paper read to the Heretics, Cambridge, on February 4th, 1923', online at www.cscs.umich.edu/~crshalizi/Daedalus.html
- 26 November V.B. Smocovitis, 'The 1959 Darwin centennial celebration in America', *Osiris*, second series, 14 (1999), 274–323

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! Organised by Lauren Kassell and Nick Hopwood.

- 20 October **Thomas Schlich (McGill University)**
Mechanizing war and medicine: rationalized fracture care in World War I
- 17 November **Erica Charters (University of Oxford)**
Medical knowledge and enlightened war: British and French military medicine in the eighteenth century
- 24 November **Claire Jones (University of Leeds)**
Practitioners, products and promotion: the medical trade catalogue and professional ethics in Britain, 1880–1914

From Generation to Reproduction

This year the group will discuss pre-circulated papers, classics as well as our own work, in the area of our Wellcome strategic award in the history of medicine. This term's meetings will be at **5–7pm on Tuesdays 27 October and 3 November**. To join the group, please email generate@hermes.cam.ac.uk.

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 Susannah Gibson.

- 12 October **Nick Jardine (HPS, Cambridge)**
Fungi in history
- 19 October **Ruth Horry (HPS, Cambridge)**
'Botany of the air': experiments, airships and agriculture in 1930

- 26 October Fungus Hunt
- 2 November **Anne Secord (HPS, Cambridge)**
Coming to attention: observing nature at the edges during the Napoleonic Wars
- 9 November **Jamie Lorimer (King's College London)**
After the king of beasts: the embodied histories of elephant hunting in mid-nineteenth century Ceylon
- 16 November **Toby Musgrave**
Head gardeners: the forgotten heroes of horticulture
- 23 November **Adelene Buckland (Cambridge Victorian Studies Group)**
Lyell's plots
- 30 November **Martin Rudwick (University of California, San Diego)**
Reflections on re-treading Darwin's 'gigantic blunder' in Glen Roy

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. Sessions will be held on alternate **Wednesdays (starting 14 October) in Seminar Room 1, 12noon–2pm**. Speakers are reminded that talks **must not** exceed 30 minutes. Organised by Alexander Wragge-Morley.

- 14 October **Boris Jardine:** Mass-Observation's *May the Twelfth* (1937) as utopian sociology
Nick Whitfield: The meaning of altruism in interwar London
- 28 October **Nicky Reeves:** The theatre of science vs the science of theatre: thinking about 18th century experimental performance
Geoff Belknap: Authenticating nature: situating photographic trust in the late nineteenth century scientific periodical press
- 11 November Special session in the Museum of Archaeology and Anthropology 'Assembling Bodies' Exhibition.
Introduction – **Anita Herle, Lead Curator**
Four ten-minute talks, with discussion:
Caitlin Wylie: 'Atomised' – sculpture by Jim Bond (2005)
Virginia Langum: (i) Table of Consanguinity – Manuscript (St. Isidore of Seville);
(ii) The Genealogies Recorded in the Sacred Scriptures – John Speed (1618);
(iii) Human Genome Library, Chromosome 1, Volume I – designed by Kerr Noble (2005)
Josh Nall: Portraits and Types – plaster sculptures by Marguerite

Milward (1935–8)

Alexander Wragge-Morley: Engraving showing Linnaeus in his Lapland Dress – 19th century, based on an original etching by Hendrik Hollander

- 25 November **Sophie Brockmann:** The contested banana tree: public debates about science in eighteenth-century Central America
Caitlin Wylie: Teacher, toy, or calculator? Reflections of mathematics, education, and society in a 20th-century American object

Philosophy Workshop

The Philosophy Workshop is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. All MPhils, PhD students, post-docs, affiliated scholars, visiting scholars, and teaching officers across the University are invited. Papers will normally be circulated by email 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 from 1–2pm in Seminar Room 1**, and are open to all researchers. For more information, and to receive the papers by email, please contact Sacha Golob.

Metaphysics Reading Group

This term we will be reading *A Metaphysics for Scientific Realism: Knowing the Unobservable* by Anjan Chakravartty, who was a PhD student in HPS once upon a time. We meet on **Mondays, 1.00–2.30pm in the HPS Lodge**. All welcome. (And it is OK to jump in halfway through without having read the previous chapters.) Organised by Alex Broadbent.

- 12 October Ch 1 – Realism and antirealism; metaphysics and empiricism
19 October Ch 2 – Selective scepticism: entity realism, structural realism, semirealism
26 October Ch 3 – Properties, particulars, and concrete structures
2 November Ch 4 – Causal realism and causal processes
9 November Ch 5 – Dispositions, property identity, and laws of nature
16 November Ch 6 – Sociability: natural and scientific kinds
23 November Ch 7 – Representing and describing: theories and models
30 November Ch 8 – Approximate truths about approximate truth

Science and Literature Reading Group

This term we shall focus on the theme of **analogy** in literature and science, reading and discussing analyses of simile, metaphor, and model-making. We meet **fortnightly on Monday evenings, from 7.30–9pm, in a new venue: room MAB 119 at Homerton College**. Readings are detailed below, and photocopied packs will be made available from the Group boxfile in the Whipple Library and in Homerton College Library. Organised by Daniel Friesner (Science Museum) and Melanie Keene (Homerton College). For updates, further information and relevant news listings please see our blog at <http://sci-lit-reading-group.blogspot.com>; email Melanie to join our dedicated mailing list or if you would like to introduce a session. All welcome!

- 19 October Pierre Duhem, *The Aim and Structure of Physical Theory*, trans. Philip P. Wiener (Princeton University Press, 1954), chapter IV (pp. 55–104), ‘Abstract theories and mechanical models’.
- 2 November Dedre Gentner, ‘Are Scientific Analogies Metaphors?’ in D. Miall (ed.), *Metaphor: Problems and Perspectives*, pp. 106–132 (Brighton, Sussex: Harvester Press, 1982).
- 16 November Mary Ellen Pitts, ‘Reflective Scientists and the Critique of Mechanistic Metaphor’ in M. W. McRae (ed.), *The Literature of Science: Perspectives on Popular Scientific Writing*, pp. 249–272 (Athens and London: University of Georgia Press, 1993).
- 30 November Simon Armitage, ‘Modelling the Universe: Poetry, Science, and the Art of Metaphor’ in Robert Crawford (ed.) *Contemporary Poetry and Contemporary Science*, pp. 110–122 (Oxford: Oxford University Press, 2006).

History and Theory Reading Group

History and Theory is a fortnightly reading group devoted to matters of historiography. The group discusses readings relating to problems of historical research, interpretation, and explanation. Each meeting is based around a selection of texts chosen and introduced by a speaker from the department. The group meets on **alternate Fridays, 2.30–4pm in the HPS Lodge**, unless otherwise stated. Readings will be placed in the History and Theory box in the Whipple Library at the start of the Michaelmas Term. All welcome! Organised by Nick Whitfield.

- 16 October **Nick Jardine:** Gadamer and genealogical criticism
J. Habermas, Review of Gadamer’s *Truth and Method*, in F. R. Dallmayr and T. A. McCarthy, eds., *Understanding and Social Inquiry*, Notre Dame, 1977, 335–363.
Gadamer’s response to Habermas, ‘On the scope and function of hermeneutical reflection’, in Gadamer, *Philosophical Hermeneutics*, Berkeley, CA, 1976, 18–43.
N. Jardine, ‘Dead questions and vicarious understandings: questioning Gadamer’s genealogy’, *Journal of the Philosophy of History*, 1 (2007), 63–78.

- 30 October **Nicky Reeves:** The politics of display and the display of politics (For this week's session we will meet in Seminar Room 1)
 D. Haraway, 'Teddy Bear Patriarchy: Taxidermy in the Garden of Eden, New York City, 1908–36' in her *Primate Visions: Gender, Race and Nature in the World of Modern Science*, London, 1990, 26–58.
 T. F. Gieryn, 'Balancing acts: science, Enola Gay and History Wars at the Smithsonian', in MacDonald ed., *The Politics of Display: Museums, Science, Culture*, London, 1998, 197–228.
 M. Kimmelman (1992) 'An Improbable Marriage of Artist and Museum' *New York Times* 02/09/1992.
 D. Garfield, 'Making the Museum Mine: An Interview with Fred Wilson', *Museum News*, May/June 1993.
- 13 November **Matthew Drage:** Hume's *Dialogues*: some historiographical problems
 W. L. Sessions, 'A Dialogic Interpretation of Hume's *Dialogues*,' *Hume Studies*, Volume XVII, 1 (April 1991), 15–40.
 J. Dancy, 'For Here the Author is Annihilated', in Smiley ed., *Philosophical Dialogues: Plato, Hume, Wittgenstein*, OUP, 1995, 29–60 (including appendix).
 M. A. Stewart, 'Hume and the "Metaphysical Argument A Priori"' in A. J. Holland ed., *Philosophy, its History and Historiography*, Boston, 1983, 243–270.
- 27 November **Ali Taheri:** Nietzsche, Foucault, and the genealogy of guilt
 Selections from Friedrich Nietzsche's *Genealogy of Morality*, further details to be announced. M. Foucault, 'Nietzsche, Genealogy, History', in P. Rabinow ed., *The Foucault Reader*, London, 1984, 76–100.

Scientific Images Discussion Group

Meetings will take place fortnightly on **Thursdays, 11am–1pm, in Seminar Room 1**. All welcome. For more information contact Geoff Belknap.

- 8 October **Alexander Wragge-Morley:** Why the history of science needs a history of description
Geoff Belknap: Research images in periodical literature
- 22 October **Rikke Schmidt Kjaergaard:** Visual representations and scientific practice: how to make a good image
Florence Grant: Patterns, profiles and perspectives. Drawings of George III's 'Philosophical Table'?
- 5 November **Katie Taylor:** Demonstration in late 16th century England
Simon Mitton: Early photography of the nebulae: Isaac Roberts and James Keeler

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. All meetings will be held on **Thursdays at 11am–1pm in Seminar Room 1**. All are welcome – do please feel free to bring lunch! Email Katie Taylor to be added to the mailing list.

- 15 October **Alex Marr (University of St Andrews)**
Diagrams in paint: optics and cosmology in a pair of late Renaissance pictures
- 29 October Visit to Culture and Cosmos at the Science Museum in London (contact Katie Taylor to reserve a place)
- 12 November **Stephen Pumfrey (Lancaster University)**
Selenography without Sidereus Nuncius: images of the Moon and their uses, 1577– 1647
- 26 November **Katie Eagleton (British Museum)**
Oronce Fine's instruments

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 usually **every other Tuesday, 1–2.30pm in Seminar Room 1** (but note the different day and time for the second session). Everyone is welcome, and feel free to bring lunch! For more information visit <http://20cthinktank.googlepages.com/>

- 13 October **Sophia Davis (HPS, Cambridge)**
Nature reserved: changing ideas of nature in post-WWII Britain
Readings:
(a) Gail Davies, 'Science, observation and entertainment: competing visions of postwar Britain natural history television, 1946–1967', *Cultural Geographies*, 7 (2000), 432–460.
(b) Helen Macdonald, "'What makes you a scientist is the way you look at things": ornithology and the observer 1930–1955', *Studies in the History and Philosophy of Biological and Biomedical Sciences*, 33 (2002), 53–77.
- Wednesday 28 October, 2–3.30pm [Note non-conventional day and time]
Jon Agar (University College London)
Science in the 20th century – and beyond: the problems of writing a synthesis
Reading:
(a) Pre-circulated introduction
- 10 November **Vanessa Heggie (HPS, Cambridge)**
Drugs, sex and cyborgs: 10 questions worth exploring in the history

of sports science and medicine

Readings:

(a) Ian Ritchie, 'Sex tested, gender verified: controlling female sexuality in the age of containment', *Sports History Review*, 34(1) (2003), 80–98.

(b) Ivo van Hilvoorde, Rein Vos & Guido de Wert, 'Flopping, klapping and gene doping: dichotomies between "natural" and "artificial" in elite sport', *Social Studies of Science*, 37 (2007), 173–200.

(c) Rob Beamish & Ian Ritchie, 'From fixed capacities to performance enhancement: the paradigm shift in the science of "training" and the use of performance-enhancing substances', *Sport in History*, 25(3) (2005), 412–433.

24 November **Peter Mandler (Faculty of History, Cambridge)**

Culture and democracy in mid 20th-century anthropology

Readings:

(a) Virginia Yans-McLaughlin, 'Science, democracy, and ethics: mobilizing culture and personality for World War II', in: George W. Stocking Jr.(ed.),

Malinowski, Rivers, Benedict and Others: Essays on Culture and Personality, History of Anthropology, Vol. 4 (University of Wisconsin Press: 1986), 184–217.

(b) Peter Mandler, 'Margaret Mead amongst the natives of Great Britain', *Past and Present* (forthcoming, 2009).

Latin Therapy

Latin Therapy will meet **every Friday during term time in the HPS Lodge from 4–5.30pm**. For this term, the first meeting will take place on 16 October and the last on 27 November. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits!

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

Greek Therapy

We are a small informal group seeking to improve our Ancient Greek with the help of our tutor, Liz Smith. We are currently finishing a translation of Porphyry's *Life of Pythagoras* and we hope to move on to some easy Plato soon. Any level of Greek very welcome.

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 2010

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 Alex Broadbent.

- 14 January **Alexander Wragge-Morley (HPS, Cambridge)**
Description, design and aesthetics in the work of John Ray and contemporaries
- 21 January **Luc Bovens (LSE)**
Ethics, risk and public works: models of optimal risk reduction
- 28 January **Simon Werrett (University of Washington, Seattle)**
Scavengers of nature: recycling in the history of science and medicine
- 4 February **Jeremy Howick (UCL)**
Why expert judgment isn't evidence: a qualified defence of the EBM position
- 11 February **Anna Maerker (Oxford Brookes University)**
Toys in *Monkeyland*: the utility of anatomical models and medical expertise in late eighteenth-century Vienna
- 18 February **Donald Mackenzie (University of Edinburgh)**
The credit crisis as a problem in the sociology of knowledge
- 25 February **Donald Gillies (UCL)**
Lessons from the history and philosophy of science for research assessment systems
- 4 March **Kevin Brosnan (HPS, Cambridge)**
Dissolving a Darwinian dilemma for moral realism
- 11 March **Tim Crane (Philosophy, Cambridge)**
The solution to the problem of mental causation

Tarner Lectures 2010

Trinity College presents the Tarner Lectures on the Philosophy of the Sciences. This year's lecturer is **Professor Simon Schaffer (HPS, Cambridge)**. The four lectures will be held in **Mill Lane Lecture Room 1 on Tuesdays at 5pm** in the second half of Lent Term.

'When the stars threw down their spears: histories of astronomy and empire'

- 16 February Lecture 1: A pattern science
- 23 February Lecture 2: An antique land

2 March Lecture 3: A disciplined eye

9 March Lecture 4: A world elsewhere

Abstracts

14 January **Alexander Wragge-Morley (HPS, Cambridge)**

Description, design and aesthetics in the work of John Ray and contemporaries

The place and meaning of 'description' in early modern natural history, philosophy and theology has barely received attention from historians of science. In this talk I will introduce examples of descriptive work in verbal, graphic and 'sculptural' forms of representation employed by John Ray, Nehemiah Grew and Robert Hooke. I argue that the representational strategies they employed in natural histories, whether pursued in words or images, cleaved to certain priorities of aesthesis. We can relate these to their broader natural philosophical and theological projects. I will also suggest that the verbal descriptions that made up natural history in Ray's time demand aesthetic interpretation. That is, we need to think about the poetics and rhetoric of description if we are to understand its representational strategies.

21 January **Luc Bovens (LSE)**

Ethics, risk and public works: models of optimal risk reduction

A public works programme requires that a number of more and less hazardous tasks are being performed by a number of different people over a period of time. Now we wish to minimise the risk to the workers involved in the programme. But what does this mean? Even if we constrain ourselves to the risk of death, there are multiple interpretations of the ideal of risk minimisation. Do we wish to minimize the number of expected deaths amongst workers? Do we wish to reduce the risk that is imposed on the most vulnerable workers? Do we wish to minimise the chance that even one worker dies? Do we wish to minimise the chance that more than an acceptable threshold of deaths will occur? These all constitute different ideals of risk minimisation. When we invest in risk minimisation, we need to take into account certain technological constraints. Some investments may be highly effective in that they make substantial reductions to the risk involved in certain tasks, whereas other investment decisions may be less effective in doing so. We construct models to determine how we should allocate investments to reduce the spread of risk, given a particular technology and given particular ideals of risk minimisation.

28 January **Simon Werrett (University of Washington, Seattle)**

Scavengers of nature: recycling in the history of science and medicine

Recycling has played an important role in post-war environmentalism, yet equivalent practices of salvage, re-use, and recovery have a much older history. This paper explores the history of recycling and its significance in the history of the sciences and medicine. Exploring sites such as chemical laboratories, coffee-house auctions, flea markets, and dust heaps, I examine the changing relationships between recycling, medicine, and science from the seventeenth to the twentieth centuries, and consider how practices of thrift, repair, re-use, and recovery helped shape a range of scientific and medical ideas, techniques and instruments in this period.

4 February **Jeremy Howick (UCL)**

Why expert judgment isn't evidence: a qualified defence of the EBM position

The view that experts have special access to knowledge goes back at least as far as Plato. In medicine this view has been particularly influential: experienced clinicians are often believed to possess tacit knowledge and intuition that cannot be reduced to mechanical rules. The deference to clinical judgment is reflected in the ways doctors are trained. After spending 2 or 3 years studying the basic sciences, medical students spend the next 2–3 years doing 'clinical' work, where they are essentially apprentices to more senior (expert) colleagues in the hospital. In stark contrast with the more traditional view, EBM proponents advocate the epistemic superiority of comparative clinical research, preferably from randomized trials. In this paper, I will contend that the EBM position on expert judgment as evidence is well supported by a plethora of largely ignored studies, but that other roles for expert judgment are equally important and deserve more discussion in the EBM literature.

11 February **Anna Maerker (Oxford Brookes University)**

Toys in *Monkeyland*: the utility of anatomical models and medical expertise in late eighteenth-century Vienna

In the mid-1780s the Austrian emperor Joseph II received anatomical wax models from the renowned Florentine workshop at the Museo La Specola for use at his newly founded surgicomical academy Josephinum. Like its Tuscan counterpart, the expensive Viennese model collection raised considerable public interest after its arrival, but they also became the subject of controversy. In a public skirmish with the Josephinum's surgeons over the public utility of their expertise, local physicians denounced the models as vulgar. They chimed in with a printed satire, *Monkeyland*, which eloquently ridiculed the anatomical waxes as 'pretty toys' and its users at the new surgeons' academy as uncivilized 'butcher's apprentices'. The paper argues that surgeons eager to stress their usefulness for the state renounced the models' utility (despite their acknowledged accuracy) in order to side with doctors' claims to sophistication.

18 February **Donald Mackenzie (University of Edinburgh)**

The credit crisis as a problem in the sociology of knowledge

The financial markets need to be studied from the perspectives of the social studies of science and technology. The artefacts and technical systems they contain need to be taken seriously, and their role as sites of knowledge production needs examined. For example, how market participants value financial instruments is (amongst other things) an issue for the sociology of knowledge. This talk will examine the role in the current credit crisis of 'evaluation cultures' (shared beliefs, practices, ways of calculating, and technical systems that are employed when market participants evaluate financial instruments). Employing documentary sources and a set of 55 predominantly oral-history interviews, the talk will present a historical sociology of the evaluation cultures surrounding the two categories of financial instrument crucial to the crisis (ABSs, asset-backed securities, and CDOs, collateralized debt obligations), and in particular will discuss the evaluation of and the role played by a fateful concatenation of the two, ABS CDOs.

25 February **Donald Gillies (UCL)**
Lessons from the history and philosophy of science for research
assessment systems

The thesis of this paper is that material from the history and philosophy of science is highly relevant to the question of the efficacy of research assessment systems such as the RAE or REF. Systems of this kind are based on peer review or metrics. However, the study of historical examples such as Frege, Semmelweis, and Copernicus shows that both peer review and metrics have important defects and can lead to the rejection of innovative research. This phenomenon is explained using ideas of Kuhn and Lakatos. The conclusion drawn is that systems such as the RAE or REF are likely to make research output worse rather than better, and an alternative approach to research organization is suggested.

4 March **Kevin Brosnan (HPS, Cambridge)**
Dissolving a Darwinian dilemma for moral realism

Controversies over the implications of Darwinism for ethics have been swirling about for some time. Two of Darwin's contemporaries, Frances Cobbe and Henry Sidgwick, defend rather different views of the matter. While Cobbe maintained that Darwin's theory, if correct, delivered a deathblow to ethics, Sidgwick dismissed evolutionary theory as irrelevant to ethics. Descendants of these contrasting views are to be found in contemporary discussions. In this paper, I consider those of the deathblow variety that aim to undermine moral knowledge. I argue that moral knowledge may be difficult to establish, but that none of these difficulties arise from Darwinian considerations.

11 March **Tim Crane (Philosophy, Cambridge)**
The solution to the problem of mental causation

For some time it has been thought that non-reductive theories of the mind face a special problem of mental causation and that this problem needs to be solved by constructing metaphysical theories of the relationship between mental and physical entities (for example, theories of the 'realisation' relation) or of the relation of causation. In this paper I argue that this problem has a straightforward solution once the dubious assumptions which underlie it are revealed. The solution is neutral between physicalist and 'emergentist' views of the mind, and is also neutral between theories of causation.

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! Organised by Lauren Kassell and Nick Hopwood.

19 January **Veronika Lipphardt (MPI for the History of Science, Berlin)**
'Isolates' and 'crosses': human evolution and population genetics in
the midtwentieth century

9 February **Claudia Stein (University of Warwick)**
The birth of biopower in eighteenth-century Germany

To avoid clashing with Simon Schaffer's Turner Lectures the History of Medicine seminar will not meet in the second half of term.

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 Susannah Gibson.

- 18 January **Peter C. Kjaergaard (Universities of Aarhus & Cambridge)**
The curious case of the London Skull: the making of a British human ancestor
- 25 January **Raf de Bont (Universities of Leuven & Cambridge)**
The lake as a microcosm: Otto Zacharias and the civic origins of limnology
- 1 February **Kelley Swain (Poet in Residence, Whipple Museum)**
Beale, Bennett, Scoresby (and Melville!): a 'natural' history of cetology
- 8 February **Joe Cain (University College London)**
Rethinking the synthesis period in evolutionary studies, 1930s and 1940s
- 15 February **Allison Ksiazkiewicz (HPS, Cambridge)**
Geology, caves, and original architecture: ideas of origins and early nineteenth century geology
- 22 February **Jim Secord (HPS, Cambridge) & Peter C. Kjaergaard (Universities of Aarhus & Cambridge)**
Reflections on Darwin 2009: a discussion
- 1 March **David Feller (HPS, Cambridge)**
William Buckland's oral history of deep time, or, things that made him go mmmmmmmmmmm
- 8 March **Jackie Mountain (The London Consortium – Birkbeck)**
English visitors to Vesuvius and Solfatara in the early seventeenth century

Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century and contemporary topics in the history and philosophy of science. Copies of all texts can be found in the TCTT box in the Whipple Library. **Meetings are usually every other Tuesday, 1–2.30pm in Seminar Room 1**. Everyone is welcome, and feel free to bring lunch!

- 12 January **Peter Bowler (Queen's University Belfast)**
British popular science magazines in the early 20th century
Reading: 1. Peter Bowler, 'Popular Science Magazines', in *Science for All: The Popularization of Science in Early Twentieth-Century Britain* (University of Chicago Press: 2009), Ch. 9, pp. 161–184.
2. Peter Broks, 'Science, media and culture: British magazines, 1890–1914', *Public Understanding of Science*, Vol. 2, No. 2 (1993),

123–139.

- 19 January **Robert Asher (Zoology, Cambridge)**
Materialism, agency vs. cause, and the top ten reasons to be a creationist
Reading: 1. K.B. Miller, 'The misguided attack on methodological naturalism', in J.S. Schneidermann and W.D. Allmon (eds.), *For the Rock Record* (Berkeley: University of California Press, 2009), pp. 117–40.
2. E. Sober, *Evidence and Evolution* (Cambridge: CUP, 2008), Ch. 2, pp. 109–88.
- 9 February **Boris Jardine (HPS, Cambridge)**
The constructive idea: art and science in '30s London and Cambridge
Reading: 1. Peder Anker, 'The Bauhaus of Nature', *Modernism/modernity*, Volume 12, Number 2 (April 2005), 229–251, especially pp. 230–2.
2. B. Nicholson, N. Gabo & L. Martin (eds.), *Circle: An International Survey of Constructivist Art* (London: Faber & Faber, 1937), chapters by J.D. Bernal, Naum Gabo, and Herbert Read.
- 23 February **Jesse Olszynko-Gryn (HPS, Cambridge)**
Population control and the social sciences
Reading: 1. M. Connelly, 'Population Control is History: New Perspectives on the International Campaign to Limit Population Growth', *Comparative Studies in Society and History*, Vol. 45, No. 1 (Jan., 2003), 122–147.
2. A. Bashford, 'Population, Geopolitics, and International Organizations in the Mid Twentieth Century', *Journal of World History*, Vol. 19, No. 3 (Sept. 2008), 327–348.

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. Sessions will be held on alternate **Wednesdays in Seminar Room 1, 12noon–2pm**. Speakers are reminded that talks **must not** exceed 30 minutes. Organised by Alexander Wragge-Morley.

- 20 January **Maggie Jack:** A scientific toy for red-blooded boys: the Gilbert chemistry set and non-journalistic popularization of science
Jesse Olszynko-Gryn: Nunataks: historical phytogeography and botanical nation building in 1930s Québec
- 3 February **Nils Petter Hellström:** White maps of Africa – the making of blank spaces
Jiri Hudecek: (Title to be announced)

17 February Special workshop on public speaking (volunteers will be required)

3 March **Katie Taylor:** Mathematical culture in Elizabethan England
Kathryn Ticehurst: Edmund Selous: birdwatching and interpreting animal behaviour in Britain, 1900

Philosophy Workshop

The Philosophy Workshop is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. All MPhils, PhD students, post-docs, affiliated scholars, visiting scholars, and teaching officers across the University are invited. Papers will normally be circulated by email 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 from 1–2pm in Seminar Room 1**, and are open to all researchers. For more information, and to receive the papers by email, please contact Sacha Golob.

Metaphysics Reading Group

This term we will be reading a selection of papers by David Lewis. Readings are available in a box in the Whipple Library. We meet on **Mondays, 1.00–2.30pm in the HPS Lodge**. All welcome. Organised by Alex Broadbent.

18 January 1970, 'How to Define Theoretical Terms', *Journal of Philosophy*, 67: 427–446.

25 January 1983, 'New Work For a Theory of Universals', *Australasian Journal of Philosophy*, 61: 343–377.

1 February 1973, 'Causation', *Journal of Philosophy*, 70: 556–567

8 February 1979, 'Counterfactual Dependence and Time's Arrow', *Noûs*, 13: 455–476.

15 February 1986, 'Events' in Lewis, *Philosophical Paper Volume 2*, 1986, pp. 241–269.

22 February 1994, 'Humean Supervenience Debugged', *Mind*, 103: 473–490.

1 March 2004, 'Causation as Influence' unabridged version, in John Collins, Ned Hall, and L.A. Paul (eds.), *Causation and Counterfactuals*, Cambridge: MIT Press, pp. 75–106.

8 March 1996, 'Elusive Knowledge', *Australasian Journal of Philosophy*, 74: 549–567.

Kant Reading Group

This term the Kant Reading Group will continue reading the 'Transcendental Doctrine of Method' from the *Critique of Pure Reason*. Meetings are held in the **HPS Lodge from 2–3.30pm on Thursdays**. They begin with a short presentation and are followed by general discussion. All are welcome. Please contact Sasha Mudd for further information.

21 January A795/B823 – A801/B829

28 January A801/B829 – A810/B838

4 February A810/B838 – A818/B846

11 February A818/B846 – A826/B854

18 February A826/B854 – A834/B826

25 February A834/B826 – A839/B867

4 March A839/B867 – A851/B879

11 March General discussion

Science and Literature Reading Group

The Science and Literature Reading Group meets **fortnightly on Mondays from 7.30–9pm in Room G03, Mary Allan Building, Homerton College**. Please see our blog at <http://sci-lit-reading-group.blogspot.com> for news, updates, and further information. Organised by Daniel Friesner (Science Museum) and Melanie Keene (Homerton College). Email Melanie to join our dedicated mailing list or if you are interested in introducing one of the readings. All welcome! This term we will focus on **alchemy and chemistry**, reading an array of texts from different genres and time periods. Readings will be made available from the beginning of term in the group's Whipple Library box file.

18 January Selections from Elias Ashmole (ed.), *Theatrum Chemicum Britannicum* (London:1652). Reprinted as No. 39 of *The Sources of Science* by Johnson Reprint Corporation, New York & London, 1967, and available online. (Note that pp. 281–288 are misnumbered in the printed text.) We will look at: 'Pearce the Black Monke upon the Elixir' (pp. 269–274), 'The Breviary of Naturall Philosophy. Compiled by the unlettered Scholar Thomas Charnock' (pp. 291–303 in the printed text; 287–303 online), 'The Vision of Sr George Ripley' (pp. 374).

1 February Honoré de Balzac, *La Recherche de l'absolu* (1834). This has been translated into English at least three times; we will use the translation by Ellen Marriage as *The Quest of the Absolute* (1895), as this is the cheapest one to buy in paperback reprint. Various texts are also available online from Google books, Internet Archive

and Project Gutenberg.

15 February Primo Levi, *L'altrui mestiere* (1985). Translated by Raymond Rosenthal as *Other People's Trades*, Michael Joseph Ltd, London, 1989. This is a collection of short essays, which originally appeared in the Turin newspaper *La Stampa*. We will look at: 'The Mark of the Chemist' (pp. 86–90), 'The Language of Chemists (I)' (pp. 100–105), 'The Language of Chemists (II)' (pp. 106–110), 'Ex-Chemist' (pp. 174–176). in conjunction with two chapters from Oliver Sacks, *Uncle Tungsten: Memories of a Chemical Boyhood* (2001). Reprinted by Picador, London, 2002. Chapter 7, 'Chemical Recreations' (pp. 67–76), Chapter 8, 'Stinks and Bangs' (pp. 77–90).

1 March Tony Harrison, *Square Rounds* (Faber and Faber, London, 1992).

Scientific Images Discussion Group

Meetings will take place fortnightly on **Thursdays, 11am–1pm, in Seminar Room 1**. All welcome. For more information contact Geoff Belknap.

- 14 January Reading group – texts will be circulated prior to the session
- 28 January **Kelley Wilder**: Where is the archive?
- 11 February **Derek Jones**: Mapping the sky – a brief history
Caitlin Wylie: *Nature Teaching on the Blackboard*: educational images from early twentieth century teaching manuals
- 25 February **Robert Budd**: Regarding the double helix: a 'sword' from the field of battle
Mark Steadman: The curator's camera: recovering Victorian museum life through photographic lantern slides

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. All meetings will be held on **Thursdays at 11am–1pm in Seminar Room 1**. All are welcome – do please feel free to bring lunch! Email Katie Taylor to be added to the mailing list.

- 21 January TBC
- 4 February **Emma Perkins (HPS, Cambridge)**
Tycho Brahe's architectonic structures suitable for astronomical observations
- 18 February **Isabelle Pantin (ENS, Paris)**
The iconography of the De Sphaera traditions

4 March **Renée Raphael (HPS, Cambridge)**

The legacy of Galileo's condemnation: teaching Copernicanism in the seventeenth century Jesuit Collegio Romano

History and Theory Reading Group

History and Theory is a fortnightly reading group devoted to matters of historiography. The group discusses readings relating to problems of historical research, interpretation, and explanation. Each meeting is based around a selection of texts chosen and introduced by a speaker from the Department. The group meets on **alternate Fridays, 2.30–4pm in the HPS Lodge**. Readings will be placed in the History and Theory box in the Whipple Library. All welcome! Organised by Nick Whitfield.

Evolution Reading Group

This group discusses readings in the themes, ideas and individuals associated with theories of evolution in the eighteenth, nineteenth and 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. Meetings are held on **alternate Thursdays at 1pm in Seminar Room 1**. All are welcome, and please feel free to bring lunch. For more information, please contact Jenny Bangham, Richard Barnett or Caitlin Wylie.

21 January Horace Smith, *Brambletye House: or, Cavaliers and Roundheads*, 3 vols, 3rd ed. (London: Colburn, 1826), chapters XI – XIII, pp. 97–128. Available on Google Books.

4 February Kelley Swain, *Darwin's Microscope* (Flambard Press, 2009), poems 'Fossil Memories', 'Towards Perfection', 'Tectonic Motion', 'Spherical Motion'; Ruth Padel, *Darwin: A Life in Poems* (Chatto & Windus, 2009), chapter 2, 'Journey'.

18 February Peter Sis, *The Tree of Life: Charles Darwin* (Walker Books, 2003).

4 March Ronald L. Numbers, *The Creationists: The Evolution of Scientific Creationism* (University of California Press, 1993), introduction, pp ix–xvii, and chapters 10 & 11, pp 184–240.

Generation to Reproduction Reading Group

This year the group will discuss pre-circulated papers, classics as well as our own work, in the area of our Wellcome strategic award in the history of medicine. This term's meetings will be at **5–7pm on Tuesdays 26 January and 2 February**. To join the group, please email generate@hermes.cam.ac.uk.

Latin Therapy

Latin Therapy will meet **every Friday during term time in the HPS Lodge from 4–5.30pm**. For this term, the first meeting will take place on 15 January and the last on 5

March. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits! More information can be found at our website: www.hps.cam.ac.uk/latintherapy. To be added to the mailing list, or to suggest a text, please contact Katie Taylor.

Greek Therapy

We are a small informal group seeking to improve our Ancient Greek with the help of our tutor, Liz Smith. We are currently finishing a translation of Porphyry's *Life of Pythagoras* and we hope to move on to some easy Plato soon. Any level of Greek very welcome. 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.

Easter Term 2010

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 Alex Broadbent.

- 22 April **Mark Parascandola (National Institutes of Health, USA)**
Epistemic risk and public health science
- 29 April **Harry Collins (Cardiff University)**
Justice and automated match officiating
- 6 May **Vanessa Heggie (HPS, Cambridge)**
Respiratory physiology, experiment and Everest, from ghastly kitchens to gasping lungs
- 13 May **Katherine Angel (University of Warwick)**
Writing post-feminist history: female sexual dysfunction and biological psychiatry, 1960 to the present
- 27 May **Fifteenth Annual Hans Rausing Lecture (McCrum Lecture Theatre)**
Myles W. Jackson (Polytechnic Institute of New York University and the Gallatin School of NYU)
From scientific instruments to musical instruments: the tuning fork, metronome and siren
- Fri 28 May **Myles W. Jackson (Polytechnic Institute of New York University and the Gallatin School of NYU)**
The CCR5 gene patent: biomedicine, intellectual property and commerce in the United States

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

from the mailing list, or if you change your address. Seminar information is also available at www.hps.cam.ac.uk/seminars. Details of the Department's programme of graduate training workshops – for graduate students and postdoctoral researchers – are available at www.hps.cam.ac.uk/students/training and in the Graduate Handbook.

Abstracts

22 April **Mark Parascandola (National Institutes of Health, USA)**
Epistemic risk and public health science

Throughout its history, empirical scientists have taken a conservative approach towards epistemic risk, minimizing inferences beyond observable data. However, at the same time, scientific research is conducted with the aim of advancing scientific knowledge and furthering its practical application in areas such as public health and medicine. Twentieth-century scientists and philosophers have developed methods for managing epistemic risk and quantifying degrees of uncertainty and evidential support. In the biomedical and public health sciences, these efforts have focused primarily on the use of the p value, along with a threshold for statistical significance ($P < 0.05$), and avoidance of Type I error. However, excessive reliance on p values comes at a high cost. The p value threshold avoids Type I error at the expense of Type II error. Moreover, this imbalance is counter to the aims of scientific research to increase knowledge and reduce uncertainty. Ultimately, there is no rule for determining what type or amount of epistemic risk is acceptable. Focusing on public health science, this paper will review the impact, often surreptitious, of assumptions and values on epistemic risk taking.

29 April **Harry Collins (Cardiff University)**
Justice and automated match officiating

Sports decision aids such as Hawk-Eye appear to be able to make clear judgements beyond the capability of any human umpire. This is often an illusion. The business of the introduction of technological aids for match officiating will be examined from first principles and it will be argued that justice can only be served if such aids always operate with a zone of uncertainty. Information about the technical capacity of a variety of such aids will be provided.

6 May **Vanessa Heggie (HPS, Cambridge)**
Respiratory physiology, experiment and Everest, from ghastly kitchens to gasping lungs

Mount Everest is an unpromising scientific field site; expensive to get to, in a politically sensitive area, and regularly lethally dangerous. It is also provocatively liminal, as a slight change of weather systems can convert a summitable peak into a death zone, where the barometric pressure is too low for the average human lung to absorb enough oxygen for even basic metabolic processes. Modelling Everest in the laboratory poses further challenges: the results of work using barometric chambers, mathematical formulae, and even plywood boxes to represent the mountain have been confirmed, complicated and contradicted by anecdote and field studies. In this paper I will use respiratory physiology, specifically disagreements over the use of supplemental oxygen, in order to examine the relationship between field Everest and modelled Everest, through the eyes of both researchers and climbers. As the ways in which we

understand the mountain have led to a decentralisation of the laboratory in favour of the field, so this paper shifts from the ghastly kitchens of nineteenth century French physiology (complete with vomiting sparrows and catatonic rats) to the 'gasping lungs' of oxygenless ascents, and medical examinations conducted over 29,000 feet above sealevel.

13 May **Katherine Angel (University of Warwick)**

Writing post-feminist history: female sexual dysfunction and biological psychiatry, 1960 to the present

'Female Sexual Dysfunction' ('FSD') is an umbrella term for diagnoses relating to desire, arousal, orgasm and pain that entered the American Psychiatric Association's Diagnostic and Statistical Manual III in 1980. Using medical, public, and feminist discourse about FSD, as well as material from the APA archives, my paper will address the view of DSM-III as having marked a categorical shift from a psychodynamic to a biological psychiatry, and of American psychiatry as a 'globalising virus'. It will also suggest that the existing critical work on FSD misconstrues the contemporary landscape through its narrow focus on medico-pharmaceutical discourse; examining a wider range of sources instead reveals a more complex ontological register that problematises accounts of both a multifactorial medicine and of the 'biological self'. It also urges one to think about medicine and psychiatry as themselves post-feminist. My paper will emphasise the importance of moving beyond analyses of FSD that take second-wave feminism for granted (as well as those focusing on the rise of biological psychiatry and Big Pharma), towards an analysis of the contemporary legacy of the embattled relationships between psychiatry, psychoanalysis and feminism in the post-war period.

27 May **Fifteenth Annual Hans Rausing Lecture (McCrum Lecture Theatre)**

Myles W. Jackson (Polytechnic Institute of New York University and the Gallatin School of NYU)

From scientific instruments to musical instruments: the tuning fork, metronome and siren

My talk analyzes how nineteenth-century acoustical instruments meant to standardize musical performance and measure various dimensions of sound, such as pitch and beat, were a century later put to use as musical instruments themselves. Metronomes (and their predecessors, the chronometer) and tuning forks migrated from bourgeois households and rehearsal halls to physics and physiological laboratories and then back to concert halls, where they were the primary instruments of a number of twentieth-century compositions. Similarly, sirens, another instrument employed by nineteenth-century acousticians for determining accurately musical pitch, were heard with increasing frequency in the twentieth-century musical halls of New York, Berlin, and Paris. Drawing upon a material cultural history of science and technology, this lecture will trace how these objects were redefined by their new roles as the generators, rather than the quantifiers, of musical qualities, by exploring both the use of mechanical apparatus to standardize critical aspects of early nineteenth-century music and the resulting debates surrounding what such standardization meant to the art. Did these machines hinder or enhance expression and creative genius? Could they thwart the attempts of virtuosi to take liberties with the composer's original intentions? Twentieth-century composers, such as Györgi Ligeti, Edgard Varèse, and Warren Burt, used these same acoustical instruments to subvert the very notions they were created to define and reinforce.

Fri 28 May **Myles W. Jackson (Polytechnic Institute of New York University and the Gallatin School of NYU)**
The CCR5 gene patent: biomedicine, intellectual property and commerce in the United States

The patenting of the CCR5 gene has become emblematic both of how intellectual property law has changed the conduct and content of scientific knowledge as well as the social, political, and ethical implications of such a metamorphosis. Although historians of science have argued for decades now that scientific research is often not divorced from commercial interests, it seems that the patenting of human genes represents something very different not only in degree, but in kind. Although much has been written on the possible effects of gene patenting on future research, I proffer a specific, concrete example by investigating the material cultural history of CCR5, one that includes the history of molecular biology, the sociology of science and technology, and the history of intellectual property law. The CCR5 patent is particularly interesting because it occurs at a period when the status of patenting genes was being renegotiated, the accuracy of computer sequencing for determining the function and utility was being challenged, and the nature of the deposited object vis à vis the written specification was being redefined. In short, it is a story about the simultaneous instability of a patent claim and the instability of the validity of a scientific technique to make a scientific claim.

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 Susannah Gibson.

- 26 April **Ralph O'Connor (University of Aberdeen)**
Dragons, insects and porcupines: locating the Victorian 'dinosaur'
- Wed 5 May Field-trip: Stowe Gardens, Buckinghamshire
- 10 May **Chitra Ramalingam (CRASSH, Cambridge)**
Experiments in description: Victorian physics and the natural history of electricity
- 17 May **Caitlin Wylie (HPS, Cambridge)**
Nature teaching on the blackboard: visual learning in early twentieth-century English school science
- 24 May **John Parker (Cambridge University Botanic Garden)**
The herbarium and the computer: investigating John Henslow's science
- Thu 10 June Garden Party: Christ's Fellows' Garden
Garden party talk to be given by **Shelley Innes (Darwin Correspondence Project)**

Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century and contemporary topics in the history and philosophy of science. Some speakers may suggest readings or pre-circulate texts – if so these can be found in the TCTT box in the Whipple Library.

Meetings are usually every other Tuesday, 1– 2.30pm in Seminar Room 1.

Everyone is welcome, and feel free to bring lunch! For more information email hps-think-tank@lists.cam.ac.uk

- 27 April **Boris Jardine (HPS, Cambridge)**
Britain without capitalists: left science and utopianism in the 1930s
- 4 May **Lydia Wilson (HPS, Cambridge)**
Methodologies in scientific heritage: the preservation of dead disciplines
- 18 May **Leon Antonio Rocha (Yale University School of Medicine)**
Of 'Flying Eagles' and 'Baby Killers': the politics of sweetened condensed milk in Southeast Asia, 1880s–1980s
- 1 June **Michael Bravo (Scott Polar Research Institute, Cambridge)**
Too good to be true? Decolonising science at research stations in the late 20th century

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. Sessions will be held on alternate **Wednesdays in Seminar Room 1, 12noon–2pm**. Speakers are reminded that talks **must not** exceed 30 minutes.

Organised by Alexander Wragge-Morley.

Philosophy Workshop

The Philosophy Workshop is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. All MPhils, PhD students, post-docs, affiliated scholars, visiting scholars, and teaching officers across the University are invited. Papers will normally be circulated by email one week in advance of each meeting, where the author will give a brief synopsis followed by roughly 45 minutes of Q&A. 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 from 1–2pm in Seminar Room 1**. If you have any questions or would like to have your work discussed please contact Sacha Golob.

Metaphysics Reading Group

This term we will be reading *The Oxford Handbook of Causation*, edited by Helen Beebe and Peter Menzies. We meet on **Mondays, 1.00–2.30pm in the HPS Lodge**.

All welcome. Organised by Alex Broadbent.

- 26 April Chapter 7 – Regularity Theories, Stathis Psillos
- 3 May Chapter 10 – Causal Process Theories, Phil Dowe
- 10 May Chapter 11 – Agency and Interventionist Theories, Jim Woodward
- 17 May Chapter 14 – Causal Modelling, Christopher Hitchcock
- 24 May Chapter 17 – Platitudes and Counterexamples, Peter Menzies
- 31 May Chapter 23 – Causation and Statistical Inference, Clark Glymour
- 7 June Chapter 29 – Causation and Explanation, Peter Lipton

Kant Reading Group

Meetings are held in the **HPS Lodge from 2–3.30pm on Thursdays**. They begin with a short presentation and are followed by general discussion. All are welcome. Please contact Sasha Mudd for further information. This term we will be looking at Kant criticism. Readings will be placed in the Kant Reading Group box in the Whipple Library at the start of term.

- 29 April Hegel's Criticism of Kant's Practical Philosophy (presenter: Sasha Mudd)
- 6 May Hegel's Criticism of Kant's Theoretical Philosophy (presenter: TBA)
- 13 May Schopenhauer on Kant (presenter: TBA)
- 20 May Heidegger on Kant (presenter: Sacha Golob)

Scientific Images Discussion Group

Meetings will take place fortnightly on **Thursdays, 11am–12noon, in Seminar Room 1**. All welcome. For more information contact Geoff Belknap.

- 13 May **Efram Sera Shriar (University of Leeds)**
Identifying and classifying man: the ethnology of Robert Gordon Latham
- 27 May **Andrew Jarvis (Faculty of History, Cambridge)**
Reading early photographs of Burma and Sri Lanka
- 10 June **Jamie Stark (University of Leeds)**
Different appearances of anthrax on the skin: cautionary notices from early twentieth century industry

Science and Literature Reading Group

This term we will focus on the **fairy-tales of science**, reading a selection of nineteenth-

century works that combined new discoveries with the myths and legends of old. We'll also create some of our own new stories, in a creative-writing workshop. We meet on **Mondays from 7.30–9pm in the Skillicorn Room at Homerton College**: please note our new venue, and the rather irregular scheduling due to the May bank holidays. Readings will be made available in photocopied packs in the Whipple Library and Homerton library from the beginning of term, and many of the selections we have chosen are also online (links on the HPS website and our blog). Organised by Daniel Friesner (Science Museum) and Melanie Keene (Homerton College). See our blog at <http://sci-lit-reading-group.blogspot.com> for news and updates. Email Melanie to join our dedicated mailing list. *All welcome!*

General Introductory Reading Arabella Buckley, *The Fairyland of Science* (1879), lecture 1.

10 May – Stars

'A Flight Through Space', John Cargill Brough, *The Fairy-Tales of Science* (1859).
'Training the Pole-Star', and 'The Tail of a Comet', Elizabeth W. Champney, *In the Sky-Garden* (1877).
'Sunbeams and the work they do', Arabella Buckley, *The Fairyland of Science* (1879), lecture 2.
'The Magician's Chamber by Moonlight', Arabella Buckley, *Through Magic Glasses* (1890).

17 May – Insects

'The Fresh-Water Siren', 'Acheta Domestica' [L. M. Budgen], *Episodes of Insect Life* (1849), vol. I, chapter 9.
'A Lesson of Faith' and 'Knowledge not the Limit of Belief', Margaret Gatty, *Parables From Nature* (1855–)
'Metamorphoses', John Cargill Brough, *The Fairy-Tales of Science* (1859)
'A.L.O.E.' [C. M. Tucker], *Fairy Frisket; or, Peeps at Insect Life* (1874), chapters 10–11.

24 May – Water

'The Drop of Water', Hans Christian Andersen (1848)
'The Water-Drops: A Fairy Tale', [Henry Morley], *Household Words*, 17 August 1850, pp. 482–9.
'Water Bewitched', John Cargill Brough, *The Fairy-Tales of Science* (1859).
'The Autobiography of a Drop of Water', Annie Carey, *Autobiographies...* (1870).
'A Drop of Water on Its Travels', Arabella Buckley, *The Fairyland of Science* (1879).

7 June – Creative-Writing Workshop

'Things Are Not What They Seem', 'Matty Crompton' [A.S. Byatt], from 'Morpho Eugenia', *Angels and Insects* (1992).

Evolution Reading Group

This term the Evolution Reading Group will be thinking about methods used to study evolution. Our readings span the 19th and 20th centuries and address diverse fields of science. We will focus on how crucial methods were developed and how these methods shaped the resulting scientific knowledge. In each session we will discuss a secondary source and a corresponding primary source. Please find all readings in our box in the Whipple Library. We meet on **alternate Thursdays at 1pm in Seminar Room 1**. For more information, please contact Jenny Bangham, Richard Barnett or

Caitlin Wylie.

- 22 April Botanical Methods
Jim Endersby, *Imperial Nature*, Ch 2 'Collecting', & an article by Joseph Hooker
- 6 May Geological Methods
Jim Secord, *Controversy in Victorian Geology*, Ch 2 'Collaboration and Contrasts', & an article by Adam Sedgwick
- 20 May Palaeoanthropological Methods
Matthew Goodrum & Cora Olson, 'The quest for an absolute chronology in human prehistory: anthropologists, chemists and the fluorine dating method in palaeoanthropology', *BJHS*, 2009, & a primary source TBA
- 3 June Genetics Methods
Robert Kohler, 'Drosophila and Evolutionary Genetics: The Moral Economy of Scientific Practice', *History of Science*, 29; 4 (1991) p. 335, & a primary source
TBA

History and Theory Reading Group

History and Theory is a fortnightly reading group devoted to matters of historiography. The group discusses readings relating to problems of historical research, interpretation, and explanation. Each meeting is based around a selection of texts chosen and introduced by the speaker. The group meets on **alternate Fridays, 2.30–4pm in the HPS Lodge**. Readings will be placed in the History and Theory box in the Whipple Library. All welcome! Organised by Nick Whitfield and Jesse Olszynko-Gryn.

30 April **Raymond Geuss (Faculty of Philosophy, Cambridge)**
History and genealogy

Readings:

1. Friedrich Nietzsche, *On the Genealogy of Morality* (1994), Second Essay, 'Guilt, Bad Conscience, and Related Matters,' sections 12 and 13.
2. Michel Foucault, 'Nietzsche, Genealogy, History,' in *The Foucault Reader* (1984).
3. Bernard Williams, *Truth and Truthfulness* (2002), chs. 1, 2, and 3, pp. 1–62.
4. Raymond Geuss, 'Nietzsche and Genealogy', in *Morality, Culture and History* (1999), pp. 1–28.
5. Raymond Geuss, 'Genealogy as Critique', in *Outside Ethics* (Princeton University Press, 2005), pp. 153–160.
6. Raymond Geuss, 'Preface to the Paperback Edition', in *Public Goods – Private Goods* (2003), pp. vii–xxiii.

14 May **Katharina Kraus (HPS, Cambridge)**Foucault's historical apriori

Readings:

1. Michel Foucault, *Mental Illness and Psychology* (1976), Part II: ('Madness and Culture'), pp. 59–88.
2. Michel Foucault, *The Order of Things* (1970), ch. 9, pp. 330–373.

3. Michel Foucault, *The Archaeology of Knowledge* (1972), Part I (Introduction) and Part III, section 5, 'The Historical *apriori* and the Archive', pp. 3–20, 142–148.
4. Béatrice Han, 'Is Early Foucault A Historian? History, history and the Analytic of Finitude', *Philosophy and Social Criticism* 31 (2005): 585–608.
5. Immanuel Kant, *Critique of Pure Reason* (1998) B 3–6, pp. 137–138.

28 May

Ayesha Hameed (Goldsmiths, University of London)

On coastlines, border crossings and natural history

Readings:

1. Walter Benjamin, 'Naples', 'One Way Street', and 'On Language as Such and the Language of Man', in *Walter Benjamin Selected Writings, vol. 1: 1913–1926* (1996).
2. Theodor Adorno, 'The Idea of Natural History', *Telos* 57 (1985): 97–124.
3. Gilles Deleuze and Félix Guattari, *Anti-OEdipus* (1977), Ch. 1 Section 1 ('Desiring Production'), pp. 1–8.
4. *Optional background reading*: Beatrice Hanssen, *Walter Benjamin's Other History: Of Stones, Animals, Human Beings and Angels* (1998).

ⁱ With thanks to the Department of Anglo-Saxon, Norse and Celtic for providing a framework for this transferable skills document.