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# The Department

## Introduction

The most amazing things happened in 2003-2004. Firstly everyone who applied for promotions was successful, so we now have six Professors and one Reader – congratulations to Simon Schaffer and Martin Kusch who are now Professors, and Liba Taub who is now a Reader.

It just goes to show you have to be careful what you wish for, because our efforts over the past five or six years to secure extra space seem to have come to fruition in more than one way. During the year we secured a half a million pound HEFCE grant to install a new staircase and lift at the back of the Museum to improve access and egress (this will go ahead in the Spring of 2005), and the dream we had to take over the Heycock Lecture Theatre to provide a new building for the Whipple Library has received backing from the Council of the School of Humanities and Social Sciences and also the University Resource Committee – we have to wait and see whether or not it will receive financial backing from HEFCE, so watch this space.

Work on the Porter's Lodge was finally complete in the early part of 2004, so we now have much hankered after extra space, including a courtyard garden, which has proved very popular for parties – which is just as well because it seemed as if we had so many reasons to celebrate that we partied almost non-stop all year, so many thanks to the Whippettes (a jazz band made up of our PhD students and their friends), who performed at almost all the functions, playing for free and entertaining us for hours with their fabulous music.

The new Vice Chancellor, Alison Richard, visited us in October 2003 and was very impressed by our Department, especially the Museum; Estelle Morris, Minister for Arts visited in January 2004 and was equally impressed; we welcomed Eleanor Robson to the Department in January 2005, when she took up a new lecturing post; we enjoyed Jim Secord's inaugural lecture in February 2005; and the Whipple Museum celebrated its 60th anniversary in the spring of 2004 – all reasons to party!

The Museum looked as if it was going to be in for hard times when Monica Elsey took off on long term sick leave in the early part of 2004, but we would like to take this opportunity to thank the members of museum staff, in particular Lisa Newble, for picking up the reins and taking on her work, ensuring that the Museum suffered no ill effect from the absence.

We were very successful in obtaining research grants this year and the LMB renewed Soraya de Chadarevian's fellowship for a further 5-year period; Tim Lewens secured a grant from Pfizer, which will, in all likelihood, be renewed in 2005; Nick Hopwood et al. were successful in obtaining a Wellcome Trust Enhancement Award, which would start in October 2004; Andreas Mayer was successful in obtaining a Wellcome Fellowship, which will start in January 2005; the Museum was successful in renewing its MLA (formerly re:source) grant for a third time, ensuring funding until the spring of 2006. And, to top it all, the Department received more AHRB studentships than ever before; largely due to this, PhD numbers have soared and in 2004 a record number of 11 new PhDs arrived in the Department – let's hope they are musical!

# Staff and affiliates

## **Administrative Staff**

Ms Tamara Hug  
Mr Steven Kruse  
Mr David Thompson

## **Computing Staff**

Mr Mark Rogers

## **Library Staff**

Mrs Sonia Hollins  
Ms Dawn Moutrey  
Dr Jill Whitelock

## **Museum Staff**

Mrs Monica Elsey  
Mrs Elizabeth Hart  
Mrs Sonia Hollins  
Ms Ruth Horry  
Ms Lisa Newble

## **Teaching Officers**

Dr Jon Agar  
Prof John Forrester  
Dr Nick Hopwood  
Prof Nick Jardine  
Dr Lauren Kassell  
Dr Martin Kusch  
Dr Tim Lewens  
Prof Peter Lipton  
Dr John McMillan  
Dr Simon Schaffer  
Prof Jim Secord  
Dr Eleanor Robson  
Dr Liba Taub

## **Affiliated Lecturers**

Dr Soraya de Chadarevian  
Dr Patricia Fara  
Dr Marina Frasca-Spada  
Dr Richard Jennings  
Dr Sachiko Kusukawa  
Dr Iilina Singh

Dr Deborah Thom  
Dr Frances Willmoth

## **Research Fellows**

Dr Helen Blackman  
Dr Andy Cunningham  
Dr Harmke Kamminga  
Dr Emese Lafferton  
Dr Neil Manson  
Dr Richard Noakes  
Dr Jutta Schickore  
Dr Nick Wilding  
Dr Sarah Wilmot

## **College Fellows**

Dr Craig Bourne  
Dr Jim Endersby  
Dr Anandi Hattiangadi  
Dr Annette Imhausen  
Dr Mary Leng  
Dr Michela Massimi  
Dr Sanjoy Mahajan  
Dr Matteo Mameli  
Dr Adam Mosley  
Dr Sophie Page  
Dr Kate Price  
Dr Sujit Sivasundaram  
Dr Karin Tybjerg

## **Affiliated Scholars**

Dr Jan Abram  
Dr Robert Anderson  
Dr Debby Banham  
Dr Emm Barnes  
Dr Andrew Barry  
Dr Robin Boast  
Prof Andrew Bowie  
Dr Michael Bravo  
Dr Janet Browne  
Dr Robert Bud  
Dr Jeremy Butterfield  
Dr Harry Collins

Dr John Cornwell  
Dr Christopher Cullen  
Dr Silvia De Renzi  
Dr Nick Dew  
Dr David Dewhirst  
Dr Thomas Dixon  
Dr Matthew Donald  
Dr Nader El-Bizri  
Dr Aileen Fyfe  
Dr Faye Getz  
Dr Jeremy Gray  
Dr Ole Grell  
Prof Mary Hesse  
Dr Dominick Jenkins  
Mr Peter Jones  
Prof Ludmilla Jordanova  
Prof Geoffrey Lloyd  
Mr Scott Mandelbrote  
Prof Stephen Mason  
Dr James Moore  
Dr Ralph O'Connor  
Dr Onora O'Neill  
Dr Sarah Pennell  
Dr Lisbet Rausing  
Prof Michael Redhead  
Prof Evelleen Richards  
Dr Katinka Ridderbos  
Prof Martin Rudwick  
Prof Colin A. Russell  
Dr Christine Salazar  
Dr Max Satchell  
Dr Anne Secord  
Dr Richard Serjeantson  
Dr Emma Spary  
Dr Rebecca Stott  
Dr Kim Taylor  
Dr Andrew Wear  
Dr Paul White  
Dr John van Wyhe  
Dr Eli Zahar

# Visitors and students

## Visiting Scholars

Dr Steve Clarke  
Dr Ashton Craine  
Prof Charles Hampton  
Dr Robert Hanna  
Dr Jaume Navarro  
Dr Christer Nordlund  
Dr Tom Ryckman  
Dr Scott Stapleford  
Prof Paul Teller  
Prof Charles Weijer  
Dr Peter Whan

## Visiting Students

Frederique Ait-Touati  
Thomas Brandstetter  
Gina Dahl  
Aaron Lambert  
Aryn Martin  
Anna Maerker

## PhD Students

Katherine Angel  
Lorenzo Bernasconi  
Patrick Boner  
Michael Bresalier  
Alex Broadbent  
Tatjana Buklijas  
Victoria Carroll  
Emir Chen  
Katrina Dean  
Kemal De Soysa  
Jenny Downes  
Sarah Dry  
Katie Eagleton  
Axel Gelfert  
William Grundy  
James Hannam  
Daniel Heard  
Ben Irvine  
Stephen John  
Natalie Kaoukji  
Jeff Kochan  
John Latsis  
Christina McLeish

Michael Michael  
Helen Macdonald  
Saira Malik  
Ayesha Nathoo  
Arash Pessian  
Meredith Price  
Sadiya Qureshi  
Robert Ralley  
Jason Rampelt  
Torben Rees  
Francis Reid  
Ayako Sakurai  
Jeffrey Skopek  
Mark Sprevak  
Anke Timmermann  
Nick Tosh

## MPhil Students

Isabelle Adams  
Yoon Choi  
Rod Cooke  
Paul Dicken  
Caroline Dombrowski  
Lauren Ellery  
Christopher Holmes  
Melanie Keene  
Marin Levy  
Adam Marlowe  
Alexandra Mudd  
Nicky Reeves  
Barham Razani  
Leon Rocha  
Lynnette Regouby  
Yali Sassoon  
Hallam Stevens  
Matthew Underwood  
Kristina Weaver  
Emily Wilcox  
David Yardley

## NST Part II Students

Liz Bell  
Jo Broadwith  
Stefan Brugger  
Kathryn Carrick

Mike Collins  
Helen Curry  
Nathan Easey  
Clare Fidler  
Henry French  
Oliver Frith  
Rebecca Geddes  
Cass Genn  
Lois Grundy  
James Hyslop  
Sharif Ismail  
Alex Johnson  
Tess Kelly  
Bon-Hyuk Koo  
James Main  
Clare Mawdsley  
Emma McGlone  
Alex McKenzie Johnston  
Andrew Morgan  
Nick Morris  
Mairead O'Connor  
Alice Pater  
Jo Probert  
Catherine Scott  
Katie Smith  
Greg Smyth  
Vanessa Steele  
Meriel Tolhurst-Cleaver  
Richard Wheeler  
Jenny Wong  
Charles Woodcock

## MVST Part II Students

Richard Davies  
Dan Lane  
Minnie Sandhu  
Meera Srinivasan  
Ben Wylie

# Comings and goings

**Helen Blackman** left us in the summer of 2004 on completion of her three-year Wellcome Trust Fellowship. She took up a research post at the University of Exeter Centre of Medical History.

**Stephen John** joined us on a two-year lecturing post shared 60:40 with the Cambridge Genetics Knowledge Park. Previous to that he had been a PhD student in the Department.

**Harmke Kamminga** retired at the end of the summer of 2004 when her Wellcome Trust Senior Fellowship came to an end. However, she will remain an affiliate of the Department and we hope she will continue to be involved with the teaching and research for many years to come.

**John McMillan** left us in the summer of 2004 to take up a Senior Lectureship at the Institute of Applied Ethics, University of Hull. He had previously worked on a four-year lecturing post shared 60:40 with the Cambridge Genetics Knowledge Park.

**Jutta Schickore** left us in the summer of 2004 on completion of her three-year Wellcome Trust Fellowship. She took up a lecturing post at the Department of History and Philosophy of Science, Indiana University.

**Jill Whitelock** resigned her position as Whipple Librarian at the end of the academic year to take up the enviable post of Head of Rare Books at the University Library.

# Roles and responsibilities

## Departmental positions

**Head of Department:** John Forrester (Mich 2003), Peter Lipton (from Lent 2004)

**Chairman of the HPS Board:** John Forrester

**Secretary of the Board:** Tamara Hug

**Director of Graduate Studies:** Nick Jardine

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

**MPhil Manager:** Martin Kusch

**Part II Manager:** Nick Hopwood

**Part IB Manager:** Simon Schaffer

## HPS Board and Degree Committee

**Professors and Readers:** Peter Lipton (from Jan 2004), John Forrester, Nick Jardine, Martin Kusch, Simon Schaffer, Liba Taub

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

**Whipple Librarian:** Jill Whitelock

**Departmental Secretary:** Tamara Hug

**General Board Members:** Michael Akam, Bryan Turner

**Co-options:** Jon Agar, Soraya de Chadarevian, Tim Lewens, Halvard Lillehammer, Neil Manson, John McMillan

**Elected Senior Members:** Marina Frasca-Spada, Nick Hopwood, Peter Jones, Anne Secord

**Elected Junior Members:** Matthew Underwood (Graduate); Cass Genn, Susy Rothe (Undergraduates)

## Philosophy Faculty Board

**HPS Representative:** John McMillan/Marina Frasca-Spada

## Examiners

### NST Part IB

**Senior Examiner:** Tim Lewens

**Examiners:** Eleanor Robson, Simon Schaffer, Martin Kusch, Nick Wilding, Neil Manson

**External Examiner:** Dr Hasok Chang (Imperial College, London)

### NST Part II

**Senior Examiner:** John Forrester

**Examiners:** Peter Lipton, Andrew Cunningham, Nick Hopwood, Jon Agar, Jutta Schickore

**External Examiner:** Dr Stephen Pumfrey (University of Lancaster)

### MPhil

**Senior Examiner:** John McMillan

**External Examiner:** Dr Rob Iliffe (Imperial College)

# Prizes, projects and honours

## Student prizes

**Kemal de Soysa** was awarded the Seventh Annual Waterman Prize for his PhD thesis, 'Using Globes and Celestial Planispheres in Restoration England'. The Waterman Prize is awarded annually for an outstanding contribution to the understanding and use of the Whipple Museum's collection.

**Paul Dicken** was awarded the Seventh Annual Jennifer Redhead Prize for the best performance in the essay component of the MPhil.

**Paul Dicken** was also awarded the First Annual Rausing Prize for the best performance in the dissertation component of the MPhil.

**Alexandra Johnson** was awarded the 2004 Bronowski Prize for the best performance in the HPS Part II course.

## New research projects

**Soraya de Chadarevian** was awarded a four-year fellowship by the LMB to research the history of molecular biology.

**Nick Hopwood** was the principal applicant (with co-applicants John Forrester, Lauren Kassell, Jim Secord and Nick Jardine) for a Wellcome enhancement award in the history of medicine. This will provide funding for five years from October 2004 for studentships, research leave, a website, workshops and conferences, with the primary aim of developing expertise in the field 'From Generation to Reproduction' between 1550 and the present.

**Emese Lafferton** was awarded a two-year Wellcome Trust fellowship on 'The history of Hungarian psychiatry in European context (1867-1918)'.

**Tim Lewens** collaborated with Katherine Angel and Stephen John on 'The Philosophy of Risk', a project funded by Pfizer Global Research and Development.

# Seminars and special lectures

## Rausing lecture

**Professor Ian Inkster** of Nottingham Trent University gave the Ninth Annual Hans Rausing Lecture in the History of Technology and Industry on 20 May 2004. The title of the lecture was 'Patents, technology and everything in the world, 1830-1914'.

## Inaugural lecture

**Professor Jim Secord** gave his inaugural lecture, entitled 'Science in the *Sun*, life on the moon', on 5 February 2004.

## Seminars, reading groups and workshops

**Departmental Seminar in History and Philosophy of Science** (organised by Simon Schaffer) was held in Michaelmas, Lent and Easter terms.

**History of Medicine Seminars** (organised by Andrew Cunningham, Nick Hopwood and Sachiko Kusakawa) took place in Michaelmas and Lent terms.

**Psychoanalysis and the Humanities Seminar** (organised by Mary Jacobus and David Hillman) was held in Michaelmas, Lent and Easter terms.

**Psy Studies Seminar** – History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences (organised by John Forrester and Deborah Thom) took place in Michaelmas, Lent and Easter terms.

**Cabinet of Natural History** (organised by Anne Secord and Emma Spary) was held in Michaelmas, Lent and Easter terms.

**Research Methods Seminars** (organised by Marina Frasca-Spada and Nick Jardine) took place in the first two weeks of Michaelmas term.

**Epistemology Reading Group** (organised by Peter Lipton) was held in Michaelmas, Lent and Easter terms.

**Wittgenstein Reading Group** (organised by Martin Kusch) took place in Michaelmas, Lent and Easter terms.

**Reading Kant** (organised by Marina Frasca-Spada, Steve John and Yoon Choi) was held in Michaelmas, Lent and Easter terms.

**History of Science Workshop** (organised by Katherine Angel and Tatjana Buklijas) took place in Michaelmas, Lent and Easter terms.

**Philosophy Workshop** (organised by Tim Lewens and Mark Sprevak) was held in Michaelmas, Lent and Easter terms.

**EPACTS** – the Early Physics, Astronomy, Cosmology and Technology Seminar (organised by Adam Mosley) met in Michaelmas and Lent terms.

**Philosophy of Language Reading Group** (organised by Mark Sprevak, Axel Gelfert and Christina McLeish) took place in Michaelmas, Lent and Easter terms.

**Science and Literature Reading Group** (organised by Kate Price) was held in Michaelmas, Lent and Easter terms.

**Medieval Science and Philosophy Reading Group** (organised by John Marenbon) took place in Michaelmas, Lent and Easter terms.

**Latin Therapy Group** (organised by Katie Eagleton and Adam Mosley) met in Michaelmas, Lent and Easter terms.



# Students

## Student statistics

### Student numbers

<b>Undergraduates</b>	NST Part II.....	36
	MVST Part II .....	4
	NST Part IB.....	107

<b>Graduates</b>	MPhil.....	22
	PhD .....	40

### Examination results

<b>NST Part II</b>	1.....	7	(21%)
	2i .....	25	(74%)
	2ii .....	2	(5%)
	3.....	0	
	Fail .....	0	

<b>MVST Part II</b>	1.....	0	
	2i .....	2	(50%)
	2ii .....	2	(50%)
	3.....	0	
	Fail.....	0	

<b>NST Part IB</b>	1.....	9	(9%)
	2i .....	56	(52%)
	2ii .....	40	(37%)
	3.....	0	
	Fail .....	0	

### Graduate degrees awarded

MPhil degrees awarded.....	21
PhD degrees awarded.....	2
PhD degree by special regulations .....	1
ScD degrees awarded .....	1

# Part II primary sources essay titles

## **PAPER 1: Kepler, *A Defence of Tycho Against Ursus***

*Apologia pro Tychone contra Ursum*, the manifesto: Kepler's vision of a new astronomy

Kepler's *Apologia*: Kepler as fighting someone else's corner. How did Kepler stay faithful to his own beliefs whilst arguing at Tycho's behest?

To be a Copernican: the awkward theology behind Kepler's *Contra Ursum*

Was Kepler a realist?

## **PAPER 2: Hooke, *Micrographia***

Hooke, Hevelius and the new visual language of science

How did Robert Hooke use the telescope in *Micrographia*?

Placing the Moon in *Micrographia*

The use of wit in Hooke's *Micrographia*

## **PAPER 3: Tyndall, *Belfast Address***

A comparison of Tyndall's Belfast Address of the British Association for the Advancement of Science (1874) with Sir William Thomson's (1871)

Compare Tyndall and Thomson's uses of history in their presidential addresses to the British Association

Compare Tyndall's treatment of the Belfast Address with that of the Rationalist Press Association

John Tyndall and Thomas Huxley: 'scientific brothers'?

Rethinking the Belfast Address: John Tyndall, defining the man of science and the uses of spontaneous generation

The Belfast Address and Victorian agnosticism

The Belfast Address: an authoritative popular science account

What type of scientific identity does Tyndall put forward in the dialogue in the Belfast Address?

## **PAPER 4: Gould and Lewontin, 'The Spandrels of San Marco and the Panglossian Paradigm'**

An assessment of three criticisms made by Gould and Lewontin in the Spandrels paper

Are adaptationists guilty as charged when it comes to telling 'just-so' stories?

Falsificationist philosophy and the Panglossian Paradigm: a juxtaposition and analysis

God and adaptationism

Political implications of the Panglossian Paradigm

The controversy over the Panglossian Paradigm: a Kuhnian perspective

The Spandrels of San Marco and human adaptationism

To what extent is 'The Spandrels of San Marco' paper an attack on sociobiology?

## **PAPER 5: Anscombe, 'Mr Truman's Degree'**

Can we hold Mr Truman responsible for dropping the atomic bombs on Hiroshima and Nagasaki?

Do Anscombe's absolutism and the doctrine of double effect weaken her objections to the first use of the atomic bomb?

How does the historiographical debate on the decision to use the atom bomb compare and contrast with Anscombe's own conclusions on Truman's role and moral responsibility in this decision?

Innocence lost: accepting the widespread killing of Japanese civilians during the Pacific War

Justification of killing the innocent

Mr Truman, double effect and the secular: could Anscombe's views on murder be accepted by one who does not share her religious beliefs?

'Mr Truman's Degree' (1956) and the Enola Gay Affair (1994) – public opinion of the atomic bombings

'Mr Truman's Degree': a comparison of the double effect and the use of positive and negative duties in attempting to justify the bombing of Hiroshima

Murder and culpability: is Anscombe right to blame Truman?

Murder and 'Mr Truman's Degree': can the 'doctrine of double effect' be reconstructed to stand up to criticism?

Nagasaki: the real problem with Mr Truman's degree

Public and private duty: should ex-President Truman be called a murderer?

Was Mr Truman responsible for the dropping of the atomic bombs on Hiroshima and Nagasaki?

What factors might have influenced the audience at the Convocation not to support Anscombe in her opposition to the honorary degree award to former President Truman, as recorded in her pamphlet 'Mr Truman's Degree'?

What makes pacifism a false doctrine?

### **PAPER 5: Carson, *Silent Spring***

A comparison of *Silent Spring* by Rachel Carson and *The Female Eunuch* by Germaine Greer

A question which is not only scientific but moral: the concept of pollution in *Silent Spring*

Discuss Rachel Carson's use of popular concerns about quality of life in 1960s America as a rhetorical strategy in *Silent Spring*

Emotion and objectivity: *Silent Spring* and Rachel Carson

P. Rothberg stated that Rachel Carson wrote 'not a scientist but rather a fanatic defender of the cult of the balance of nature'. To what extent was this a fair assessment of her?

*Silent Spring* and *The War of the Worlds*

Transmission and adaptation of text to television: interests and narrative in *Silent Spring*

### **PAPER 6: Freud, 'The Psychology of the Dream Processes'**

Can we disprove Freud on the basis of modern neurology?

Freud and families of metaphor

Freud as a proponent of pseudo-science: how scientific is Freud's approach to dreams in chapter VII of *The Interpretation of Dreams*?

How many 'minds' does it take to have a dream?

### **PAPER 7: Graunt, *Natural and Political Observations ... upon the Bills of Mortality***

Air as a non-natural in Graunt's *Bills of Mortality*

Graunt and Heberden's *Bills of Mortality*

John Graunt and the history of demography

John Graunt: what are the implications of being a 'citizen of London'?

Rickets: a new disease in seventeenth-century England?

Using the London *Bills of Mortality* 1593-1664, is there a relationship between parochial death rates and economic status?

### **PAPER 8: Koch, 'The Aetiology of Tuberculosis'**

Culture-clash?

David Hamilton and Robert Koch had very different theoretical views. Was this the main factor in shaping their practical approach to medicine?

Developing 'Koch's postulates': the establishment of the causal criteria that define infectious disease

Early medical responses to Koch's 'The Aetiology of Tuberculosis', 1882: *The Lancet*

Koch under review: C.T. Williams's response to 'The Etiology of Tuberculosis' of 1882

Robert Koch's use of the work of his contemporaries and predecessors in defining a new bacteriology

The etiology of commemoration: remembering Koch's discovery of the tubercle bacillus

'The Etiology of Tuberculosis' as a 'medical classic'

'The Etiology of Tuberculosis' as a 'social act' – a Latourian analysis of Robert Koch's 1882 paper

The impact on public health of the explanation of consumption as caused by a single, identifiable bacterium in Robert Koch's 'Die Aetiologie der Tuberculose'

The making of Robert Koch, the hero

What are the differences between various English translations of Robert Koch's 'Die Aetiologie der Tuberculose' (1882) and how can we explain them?

# Part II dissertation titles

A history of national Aids manual publications  
Alcoholism and heredity  
Case-based reasoning in medical ethics  
Causation and counterfactuals  
Dennet's theory of consciousness  
Genius and insanity in later nineteenth-century Britain  
Historical and cultural perspectives on the science of sex selection in Britain and India  
Hong Kong medicine post-1997: the revival of a tradition of Chinese medicine in a reclaimed Chinese territory  
Innate intelligence and eugenics in Britain, 1932-1947  
Instrument making families  
Literature and antipsychiatry  
Media and nationality in the Beagle 2 Mars Mission  
Michael Faraday's *The Chemical History of a Candle*  
'Natural philosophy suited to a juvenile auditory': the origin of the Royal Institution Christmas Lectures  
Origins of 19th-century forensic pathology  
Plate tectonics after Kuhn: image or logic?  
Popular science writing in the late nineteenth century: the case of Alice Bodington  
Revvng India  
Risk related competence  
Science and the media: the case of the baby food jars alert  
Scientists before the lens: issues of gender representation in the photographs of Julia M. Cameron  
The anatomical illustrations of Leonardo da Vinci  
The changing representation of Sophia Kovalevskaia  
The cholera morbus in Sunderland 1831-32: reactions and responses to an epidemic  
The construction of Briquet's syndrome: diagnostic territory and the eponym  
The epistemology of testimony and memory  
The fall of Constantinople (1453) and Italian medicine  
The history of community care in psychiatry  
The impact of shellshock on psychiatric practice, 1915-22  
The knowledge argument  
Thomas Sydenham: a man of his times  
Vaccination and anti-vaccination in mid-19th century Cambridge  
Visualisability in quantum theory  
Why make fakes?  
Women's struggle to become doctors

# MPhil essay and dissertation titles

## Isabelle Adams

### *Essays*

Sensible and intellectual harmonies: earthly and celestial polyphony in Kepler's cosmology  
(supervised by Nick Jardine)

'Our lady of radium': the iconography of Marie Curie (supervised by Patricia Fara)

Religion and amuletic healing in pre-Reformation England (supervised by Peter Jones)

### *Dissertation*

Hildegard of Bingen, mysticism and female bodies (supervised by Gillian Evans)

## Yoon Choi

### *Essays*

Wrestling with angels (and other ideals): Kant's refutation of idealism (supervised by Marina Frasca-Spada)

The social metaphysics of Barry Barnes (supervised by Martin Kusch)

Descartes's *Meditations* and the meditational genre (supervised by Nick Jardine)

### *Dissertation*

Kant and the unity of reason (supervised by Onora O'Neill)

## Rod Cooke

### *Essays*

Western science and the Iwakura Embassy, 1871-3 (supervised by Peter Kornicki)

Love, belief and affect (supervised by Neil Manson)

Visions of technology, visions of humanity: *Metropolis* and *Things to Come* (supervised by Jon Agar)

### *Dissertation*

Zola and the experimental novel (supervised by Kate Price)

## Paul Dicken

### *Essays*

Hume and the quasi-realist theory of causation (supervised by Craig Bourne)

Primitive modality and expressive adequacy in Field's anti-realist philosophy of mathematics  
(supervised by Mary Leng)

Davidson and Kripke's *Wittgenstein on Meaning* (supervised by Martin Kusch)

### *Dissertation*

A defence of constructive empiricism (supervised by Peter Lipton)

## Caroline Dombrowski

### *Essays*

In defence of Berkeley's visual language (supervised by Marina Frasca-Spada)

Free will and consciousness: as linked as Libet wishes us to believe? (supervised by Martin Kusch)

Stereotypes and exemplars: categorisation and scientific change (supervised by Peter Lipton)

### *Dissertation*

Gibson and pictorial representation (supervised by Marina Frasca-Spada)

## Lauren Ellery

### *Essays*

Better living by chemistry? Elliot, identity and psychopharmacology (supervised by John McMillan)

The negotiation of 'good' science: how the Food Standards Agency made its decision on whether food advertising  
influences children (supervised by Martin Kusch)

Representations of indigenous people in the *Phrenological Journal*, 1823-1836 (supervised by Sujit Sivasundaram)

### *Dissertation*

Phrenology in India: translations and negotiations of colonial knowledge, 1825-54 (supervised by Sujit Sivasundaram)

## **Chris Holmes**

### *Essays*

The uses of Crum Brown's models in representation and argumentation (supervised by Simon Schaffer)

Are species valuable? (supervised by Tim Lewens)

Underdetermination in the knowing community (supervised by Peter Lipton)

### *Dissertation*

Ways of the world – Goodman's relativism (supervised by Martin Kusch)

## **Melanie Keene**

### *Essays*

'Every boy and girl a scientist!' Constructions and the domestication of scientific instruments in inter-war Britain (supervised by Simon Schaffer)

'The story of the peasant-boy philosopher': nineteenth-century representations of James Ferguson (supervised by Patricia Fara)

Verbal and visual images of vivisection in the 1870s and 1880s (supervised by Nick Hopwood)

### *Dissertation*

Verse and *The Universe*: Henry Baker's philosophical poem (1727?) (supervised by Simon Schaffer)

## **Marin Levy**

### *Essays*

Procreative autonomy and gender selection (supervised by John McMillan)

Consensus conferences and science studies: the new wave of the future? (supervised by Martin Kusch)

Birth control clinics in mid-twentieth-century Britain (supervised by Nick Hopwood)

### *Dissertation*

Committing to future personhood: the ethical link between abortion and gene therapy (supervised by Peter Lipton)

## **Adam Marlowe**

### *Essays*

Wondrous mirrors, magic and the technology of optics in Giambattista della Porta's *Magiae Naturalis* (supervised by Frances Willmoth)

Bachelard and psychoanalysis (supervised by John Forrester)

Authorship and obscenity: the physiology of reading pornography in eighteenth-century England (supervised by Marina Frasca-Spada)

### *Dissertation*

Experts and publics: technical decision making in liberal democracies (supervised by Martin Kusch)

## **Sasha Mudd**

### *Essays*

Points of convergence: love and self-knowledge in Freudian psychoanalysis and the mystical experiences of Angela of Foligno (supervised by John Forrester)

Organism and temporality: an essay on biological function (supervised by Tim Lewens)

Trust and testimony (supervised by Martin Kusch)

### *Dissertation*

Freud's super-ego and Kant's moral law: an essay on moral motivation (supervised John Forrester)

## **Bahram Razani**

### *Essays*

The malleable mission of the Human Genome Project (supervised by Soraya de Chadarevian)

The ethics of self-experimentation (supervised by Tim Lewens)

The explanatory scope of natural selection (supervised by Tim Lewens)

### *Dissertation*

The researcher-subject relationship (supervised by John McMillan)

## **Nicky Reeves**

### *Essays*

'Strange meteors' and 'crowns of light': seeing, believing and interpreting, 1688 (supervised by Adam Mosley)

Measuring mountains: the Schiehallian experiment, 1774 (supervised by Simon Schaffer)

Maps, politics and truth: the Peters Projection controversy and the sociology of scientific knowledge (supervised by Simon Schaffer)

### *Dissertation*

Geodesy by camel: naval surveys of the Sahara, and other oceans, in the late eighteenth century (supervised by Simon Schaffer)

## **Leon Rocha**

### *Essays*

'Think different': Donna Haraway and science fiction (supervised by Marina Frasca-Spada)

Pink Freud? On Freud's attitude towards homosexuality (supervised by John Forrester)

Darwin's Heterotopia: visiting the Darwin Centre at the Natural History Museum (supervised by Simon Schaffer)

### *Dissertation*

A drive 'so fierce and demanding': a history of transsexuals' demand for change of sex (supervised by John Forrester)

## **Yali Sassoon**

### *Essays*

Plurality in Aristotle's method: towards understanding Aristotle's treatment of meteorological phenomena (supervised by Liba Taub)

The turn to technology in social studies of science: why artefacts can have politics in a more reflexive sociology of technology (supervised by Martin Kusch)

Thinking in cases: Kuhnian science and legal reasoning (supervised by John Forrester)

### *Dissertation*

Thought experiments in antiquity (supervised by Liba Taub)

## **Hallam Stevens**

### *Essays*

Experts and heretics: science studies and its role in speaking about science (supervised by Martin Kusch)

Order from disorder: emergence and the use of self-organising models in biology, 1930-75 (supervised by Soraya de Chadarevian)

Home to roost: Indian birds and the British Empire in the correspondence between Hugh Strickland and Edward Blyth (supervised by Jim Endersby)

### *Dissertation*

Disordering the enemy: systems thinking and the development of radio countermeasures in Britain (supervised by Jon Agar)

## **Matthew Underwood**

### *Essays*

Unpacking Winthrop's boxes: John Winthrop Jr's strange and useful dispatch to the Royal Society, 1664 (supervised by Simon Schaffer)

Stubbs's *Moose* and its uses (supervised by Patricia Fara)

A tool for better homes and gardens: the invention and transformation of the Wardian case, 1829-1931 (supervised by Jim Endersby)

### *Dissertation*

The truth about Abyssinia: James Bruce, his facts and their reception (supervised by Simon Schaffer)

## **Kristina Weaver**

### ***Essays***

Radical social evolutionism? The anarchist prince and the geographical tradition (supervised by Simon Schaffer)

Anti-psychiatry and the novel in Tom Robbins' *Even Cowgirls Get the Blues* (supervised by John Forrester)

Kant's anthropology in historical context (supervised by Marina Frasca-Spada)

### ***Dissertation***

Herbalism in late nineteenth-century England (supervised by Anne Secord)

## **Emily Wilcox**

### ***Essays***

Bernardino Ramazzini's *De Morbis Artificum* (The Diseases of Workers), 1702 (supervised by Andrew Cunningham)

Spectacle and self-experimentation in 1790-1830 Paris (supervised by Simon Schaffer)

Swedish medical gymnastics (1790-1900) (supervised by Simon Schaffer)

### ***Dissertation***

Evidence-based approaches to research on complementary and alternative medicine: a case study of Tai Chi trials  
(supervised by Martin Kusch)

## **David Yardley**

### ***Essays***

David Bloor on the social nature of  $2+2=4$  and modus ponens (supervised by Martin Kusch)

The celestial/terrestrial distinction in late medieval cosmology (supervised by Liba Taub)

Flaws in Fodor's anti-reductionist call-to-arms (supervised by Tim Lewens)

### ***Dissertation***

How do I befriend thee? Let me count the ways: combining Bayesianism and inference to the best explanation  
(supervised by Peter Lipton)



# PhD theses

## Awarded

### **Kemal de Soysa**

‘Using globes and celestial planispheres in Restoration England’  
(supervised by Liba Taub)

### **Greg Fried**

‘What theory cannot capture: Freud and four philosophers on humour’  
(supervised by John Forrester)

### **Michael Chauvin**

PhD under special regulations based on the published work ‘Hokuloa: the British 1874 transit of Venus expedition to Hawaii’ (Bishop Press: Honolulu, 2004)

## Submitted

### **Catherine Eagleton**

‘Instruments in context: telling the time in England, 1350-1500’  
(supervised by Liba Taub)

### **John Latsis**

‘Theories of the arbitrary economy’  
(supervised by Tony Lawson, Faculty of Economics and Politics)

## Doctor of Science Degree

### **Professor Stephen Toulmin**

Submitted to the January meeting of the Degree Committee an application for an ScD degree. The Degree Committee was unanimous in recommending to the Board of Graduate Studies the award of the ScD degree (Regulations can be found in *Statutes and Ordinances*, 2003, p. 496-7).

# Transferable skills

The Department of History and Philosophy of Science, in consultation with the Colleges, has identified the ways in which undergraduates can acquire and develop certain skills and attributes throughout their University career. As well as enhancing academic performance, these skills can be used beyond University, and are sought after by employers. Students are encouraged to make use of the opportunities afforded to them to develop these attributes, which will stand them in good stead in later life.

## Intellectual skills

(reading, articulating an argument, critical analysis, problem-solving, choosing topics for coursework, mastering of unfamiliar fields)

### *University*

Lectures

Seminars

Discussion groups and classes

Examinations

### *College*

Advice from Director of Studies

Supervisions (discussion, reasoning, argument, problem-solving, reading and critical analysis)

## Communication skills

(literacy, articulating an argument, oral presentation, non-verbal presentation)

### *University*

#### **Written:**

Dissertation

Essays

Extended essays on primary sources

#### **Oral:**

Presentations at seminars, study groups and classes

Debating

#### **Non-verbal:**

Use of visual material

Setting up of case-studies of objects in the Whipple Museum

### *College*

Meetings with Director of Studies and peers, supervisions (interaction with peers through discussion, argument, persuasion; remedial training in reading and writing for science undergraduates, how to organise an exam or a supervision essay or a more extended piece of work)

Other activities (College committees, societies, involvement in JCR and MCR)

## Organisational skills

### *University*

Balancing workload and extracurricular activities; meeting deadlines

Organisation of and participation in reading groups and seminars

Involvement in national societies

Preparation and management of the course assessment questionnaire

Organisation of Departmental social events

Management of Students' Coffee Room

Managing workload for exams and for coursework

### *College*

Balancing workload and extracurricular activities; meeting deadlines

Organisation of events (entertainment, lectures, society events)

Managing workload for exams and for coursework

## **Interpersonal skills**

### *University*

Small and tightly knit Departmental community enhances ability to interact with a wide range of people with varied interests, and encourages intellectual and human flexibility

Discussion seminars and classes

Participation in the Monitoring Committee

Taking part in Students' Coffee Room conversation

Possibility of voluntary work in the departmental office, the Library and Whipple Museum

### *College*

Small College community enhances ability to interact comfortably with a wide range of people/cultures/disciplines, and encourages flexibility and adaptability

Taking part in College politics or a management role in societies

Taking part in College sporting activities

Experience in supporting friends through personal crises, bereavement, illness, disablement, psychological stress etc.

## **Research skills**

### *University*

Use of University Library

Use of Departmental Library

Use of Museum Records

Use of local and national archival resources

On-going scholarly training: footnoting, preparation of bibliographies and reference lists, translation

Research methods seminars and website

Interviewing

Text, image and object analysis

### *College*

Advice from Director of Studies

Exchange of advice and 'tips' with other students in the same or similar subjects

Use of College libraries and research facilities

## **Computer literacy**

### *University*

Use of CD-ROMs, on-line resources and databases in the Library and in the Museum

Use of Departmental computer facilities for web and e-mail

University Computing Service courses, leaflets, publications

Occasional University Library classes on use of on-line databases

### *College*

Use of College computing facilities

## **Foreign language skills**

### *University*

Ancient Greek and Latin classes for non-classicists

German classes from the Pressland Fund (for Natural Sciences students)

Translation for coursework

Language Centre, Diploma/Certificate in Modern Languages

### *College*

Language clubs/societies

Conversation exchange

# The Library

## Annual report of the Whipple Library

### Introduction

2003-2004 was another eventful year for the Whipple Library. Jill Whitelock, Whipple Librarian since 2001, left the Library in August 2004 to take up the position of Head of Rare Books at Cambridge University Library.

The Whipple's Library Assistant, Dawn Moutrey, completed her City & Guilds Award in Library & Information Services this year – congratulations to Dawn on this significant achievement.

The number of readers has increased again, with a total of 1213 registered users compared with 1144 in 2002-2003. 13,713 loans were made compared with 14,168 last year.

### Electronic developments

Our web pages continue to be redesigned and upgraded, with additional links added to the Special Collections webpage on Internet resources for bibliography.

### New acquisitions

New subscriptions were entered for the following journals: *Eighteenth-Century Thought* and *Galilaeana: Journal of Galilean Studies*.

The Library has received several donations throughout the year and is grateful for all these gifts. These include a number of pamphlets from Andrew Belsey of Cardiff University, and a large donation of material on phrenology from the publishing firm C.W. Daniel Co. Ltd of Saffron Walden, who took over the firm of L.N. Fowler.

The Whipple continued to benefit from the support offered by Cambridge University Press to all College and University libraries, with an increased amount of £2625 credited to us for the purchase of Press titles.

Several important additions to the special collections were made, including:

A number of books on early twentieth-century physics and atomic energy, acquired from Jim Moore.

Several books relating to Ernst Haeckel, including a copy of *Was wir Ernst Haeckel Verdanken: ein Buch der Verehrung und Dankbarkeit / im Auftrag des Deutschen Monistenbundes* herausgegeben von Heinrich Schmidt-Jena – the Library's copy including a letter from Haeckel to Der Jugendgruppe Hamburg, Der Deutschen Monistenbundes, 1919.

Titles have also been added to the Library's collection of works by the Rev. J.G. Wood, which continues to attract a number of enquiries.

## Rare book collection

We continued to promote the rare book collection for use in Departmental teaching, with books being used in a number of small seminars by lecturers and supervisors in the Reserve Gallery.

The Library's acquisition of phrenological material from C.W. Daniel Co. Ltd is of special significance. It was originally assembled by Miss Frances Hedderly, the last president of the British Phrenological Society before it disbanded in 1967. Miss Hedderly was responsible for the gift of phrenology books from the Society's library to the Whipple in the 1970s, so it is particularly fitting that this new donation has found its way to us. The donation includes books and manuscript material, as well as some charts and callipers, and is currently being sorted and added to the collection.

## Special projects

The Library is rapidly running out of space – in an effort to alleviate our problems in the short term, the possibility of adding some shelving was looked into, and a number of duplicate books and journals were disposed of.

The Library continued its role of advising on the disposal of older scientific material from Departmental libraries this year. A number of items were transferred from the Zoology Library to the University Library, with the Whipple also receiving a few titles.

# The Museum

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

### 60th Anniversary Party

This year the Whipple Museum is celebrating the 60th anniversary of Robert Whipple's generous gift of his collection of scientific instruments and associated rare books to the University of Cambridge. His gift was the founding collection that formed the basis for the Whipple Museum of the History of Science, around which the Department of History and Philosophy of Science later developed.

On 30 April the Museum celebrated this event with a party held in the Main Gallery and Seminar Room 1. The Main Gallery featured a display on the foundation of the collection and a gallery trail highlighting objects on display which were part of Robert Whipple's original collection.

Speeches to mark the occasion were given by the Head of Department, Professor Peter Lipton, the Vice-Chancellor, Professor Alison Richard, and Dr David Dewhirst, who as an undergraduate was involved in the early life of Whipple's collection within the University. The event was also attended by the Mayor of Cambridge, Councillor David White, as part of his tour of the University's museums. Letters of congratulations were also received from the Chancellor of the University, HRH The Duke of Edinburgh, and the Whipple's first curator, Dr A. Rupert Hall.

Festivities continued after the speeches in Seminar Room 1 where entertainment was provided courtesy of 'The Whippettes', a band formed specially for the occasion, including HPS PhD students Katie Eagleton and Torben Rees.

### Visit from the Minister for the Arts

On 30 January the Whipple was very pleased to welcome the Minister for the Arts, Rt Hon Estelle Morris MP. The Minister visited the Museum as a 'place of excellence' after hearing about the work we had been doing through the Designation Challenge Fund. Her visit began with a tour of the Main Gallery and new Victorian Parlour and then proceeded to the Reserve Gallery where the Minister stayed to talk to students and Museum staff about their work. The visit was a great success.

### The Whipple visits Downing Street

Following the visit to the Whipple by the Minister for the Arts, the Director and Curator, Dr Liba Taub, was invited to attend a reception at No. 10 Downing Street to celebrate the contribution of the arts. Dr Taub took the opportunity to remind the Prime Minister, as well as the Secretary of State for Culture, Media and Sport, of the special contributions made by university museums to teaching and research.

# 'Welcome to the Whipple'

With generous support from the Designation Challenge Fund, the Whipple completed the 'Welcome to the Whipple' project. The project included the refreshment of the current displays in the Main Gallery, the development of a new 'Victorian Parlour' mini-gallery, the inclusion of images of every object in the collection onto the database, the production of handling materials for the Main Gallery and the development of a new design for the refurbishment of the Main Gallery!

The design to refurbish the Main Gallery was developed by BLB Associates, working in conjunction with Whipple staff and our consultants, Dr Gaby Porter and Ms Margaret Hall. This design was approved by re:source (now MLA – Museums, Libraries and Archives Council). We now have a stylishly produced professional design document to use in our fundraising activities.

The Victorian Parlour is a new mini-gallery which evokes the atmosphere of a home belonging to a Victorian family with an interest in natural history and science in the late 19th century. The gallery has a number of games and activities aimed primarily at children, as well as a number of objects on display. It is proving popular with visitors, particularly children.

## Building work

At the end of May the Whipple closed for repairs to be carried out on a leaky window and the surrounding plaster. Unfortunately, the repairs have proved to be more complicated than initially anticipated. Work on the plaster revealed rot present in three of the supporting timbers of the old Jacobean roof structure. Although in no danger of collapse, the roof beams needed to be replaced and treated with the respect that the Grade II listed structure deserved. The work, which required that the Museum be closed to visitors for the entire summer, has been carried out by the University's Estate Management and Building Services (EMBS).

## Teaching and exhibitions

### **Departmental Teaching**

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

### **Student Research 2003-2004**

#### *Undergraduate dissertations*

Joanna Broadwith – 'Instrument making families'

James Hyslop – 'Why make fakes?: A study of five objects in the Whipple Collection'

#### *MPhil essays*

Melanie Keene – "'Every boy and girl a scientist!' Constructions and the domestication of scientific instruments in inter-war Britain'

Nicky Reeves – ‘Maps, politics and truth: the Peters Projection controversy and the sociology of scientific knowledge’

#### *PhD theses*

Kemal de Soysa (approved) ‘Using globes and celestial planispheres in Restoration England’

Catherine Eagleton (submitted) ‘Instruments in context: telling the time in England, 1350-1500’

## Brian Harland Collection

Over the summer of 2003 the Museum was pleased and honoured to accept a collection of field and drafting equipment used in the field as a gift from the geologist Brian Harland.

W.B. Harland began his survey work in the late 1930s, initially in China but moving later to the Arctic archipelago of Svalbard, where he ran yearly field expeditions for almost 50 years. Harland’s team produced some of the first detailed geological surveys of the interior of this region. The measurements and samples he brought back from these expeditions contributed to his ideas on continental movement and theories which led into the ‘snowball earth’ hypothesis. In 1975 he founded the Cambridge Arctic Shelf Programme (CASP), which is still running research projects on Svalbard today.

Brian Harland died on 1 November 2003 only weeks after completing the transfer of his collection. Part of the collection went on display in the Main Gallery in April, and this display is dedicated to his memory.

## Publications

The Cambridge Latin Therapy Group, *Instruments of Mystery*, eds Patrick Boner and Catherine Eagleton

## Outreach and collaboration with other University museums

### **Cambridge Discovery Lecture series**

The Cambridge University Collections in the Human & Natural Sciences (the Whipple Museum of the History of Science, Museum of Archaeology and Anthropology, Sedgwick Museum of Earth Sciences and the University Museum of Zoology) continue to collaborate in the organisation of the ‘Cambridge Discovery’ series of informal public talks and events intended to open a window on the internationally renowned collections of Cambridge University’s ‘scientific’ museums, and to the cutting-edge research relating to them.

### **Scientific Instrument Collections in the University (SICU) International Symposium at Dartmouth College**

In June, Liba Taub, Lisa Newble and Ruth Horry attended the SICU symposium at Dartmouth College, New Hampshire (USA). The symposium focused on university science collections and their use in teaching and research. This productive conference allowed the Museum to view case



studies of work carried out by other similar collections across the world as well as allowing us to make some valuable contacts for our forthcoming DCF project.

### **Universeum network annual meeting, Lutherstadt Wittenberg**

The Universeum network of European universities with collections, of which the Whipple has been an active member, held its annual meeting at Lutherstadt Wittenberg on 9–11 July 2004, under the sponsorship of Martin-Luther-Universität Halle-Wittenberg and the Leucorea Foundation; Liba Taub attended. The Whipple hopes to continue contributing to a number of collaborative projects planned by the network.

### **Transit of Venus**

On 8 June a transit of Venus took place which was visible from the UK. Although the Museum had not planned to mark the occasion officially, several members of museum staff, including Ruth Horry, Lisa Newble and HPS PhD student Katie Eagleton, ran a small scale experiment for fun using an antique telescope from the Museum's handling collection. The experiment was set up on the pavement at the front of the Department and soon attracted a good deal of attention from passers-by. The experiment proved so popular that Museum staff decided to run an informal outreach project and moved the equipment to King's Parade. It was a great success and attracted over 300 people by the time the transit finished at midday.

### **Denny Abbey Farmland Museum**

Over the May Bank Holiday weekend Whipple staff members Lisa Newble and Ruth Horry took games and handling activities from the Victorian Parlour to Denny Abbey Farmland Museum's Victorian Fair. The event attracted families from all over Cambridgeshire and more than 1000 people attended over the two days. Whipple staff appeared in full Victorian costume in the Cambridge Evening News to advertise the event.

### **Cambridge Science Festival**

The annual Cambridge Science Festival took place in March. This year's special Saturday opening was very successful with over 250 visitors to the Museum's galleries. Particularly popular this year was the new Victorian Parlour, which entertained younger visitors with a range of traditional Victorian games and activities inspired by objects in the Museum's collection. This year the Museum team were helped out by a number of students, including Katie Eagleton, Sadiah Quereshi, James Hyslop, Dan Lane and Alice Pater.

### **Scientific Instrument Society Visit**

On 2 July the Museum was very pleased to welcome members of the Scientific Instrument Society on a special visit to the Reserve Gallery. The visit formed part of an annual conference being held by the Society in Cambridge. The new designs for the Main Gallery were discussed with conference attendees, and a good deal of useful feedback was gained.

## **Grants awarded**

### **AHRB**

The Whipple was awarded £26,268 core funding for this academic year from the Arts and Humanities Research Board. The award, which commenced in 2001, continues for five years. This

funding is paid to the University of Cambridge, rather than to the Whipple itself, and has resulted in an actual increase of £1064, which the Whipple may spend directly during the academic year. The £1064 is earmarked for publicity and marketing, based on the recommendations of the referees.

## **DCF**

The Designation Challenge Fund was created by the Department of Culture, Media and Sport to support designated collections. The first DCF programme awarded £15 million during the period 1999-2002. A further £5.2 million was awarded during the period 2002-04. Through Renaissance in the Regions, DCF grants totalling £3.8 million have now been awarded towards projects which will run from 1 April 2004 to 31 March 2006.

In total, to date (1999-2004), the Whipple has been awarded £536,400 from the Designation Challenge Fund.

### **Whipple Website (April 2004 to March 2006; £92,272)**

This project will create a new e-learning website offering stimulating interpretations of objects in the Museum's collection. Recognising that the specialist nature of the Whipple collections requires additional levels of explanation to reach a range of audiences, our e-Learning Project will provide more in-depth information and contextual background about our collection than could be achieved through simply placing our database online. The website will provide Internet access to interpreted collections information and specially designed learning-based activities, enticing both specialists and non-specialists. This investment in knowledge-sharing will help us reach more varied audiences, including children, teenagers and life-long learners.

### **Archive Project (April 2004 to March 2006; £15,389)**

The Whipple archives are an important resource for researchers in the history of collecting and the history of scientific instrumentation, as well as informing crucial portions of our gallery displays. This project will significantly improve accessibility, storage and preservation of documentation and archival material relating to the history of the Whipple collections, making it easier to provide answers to queries as well as increasing access for researchers.

### **HEFCE Aspiration Fund**

The Whipple was successful in its bid for support for a project to create a new area of the Whipple website aimed at raising young people's aspirations towards higher education and/or museum careers; we were awarded £20,000 for this project, through which we are aiming to attract young people to study at university, including Cambridge. By showing the opportunities available, we intend that the website will help to widen participation in higher education and encourage future students to consider museum careers.

Our new site will provide a basic introduction to museum work, showing what staff do on a daily basis in the Museum. It will include a section on careers advice for those wishing to get into museum work, and profiles of the current staff and past students involved in the Whipple, showing the diverse backgrounds from which they come. Our staff and students have followed very different paths before coming to the Museum and the new site will show the paths that have led them to work here. We will show young people what can be achieved in a fun and practical way.

As well as providing information for young people who dream of someday working in a museum, the site will also serve as an introduction to this career for those who may not have ever considered museum work. In addition, it will introduce visitors to the subject of History and Philosophy of Science, which young people may not have heard about, or thought about studying.

## **PRISM**

The Whipple received three PRISM (Preservation and Restoration of Industrial and Scientific Material) awards in October 2003: a grant of £4,523 towards the purchase of a 19th-century 'De Winter' Electrostatic Generator with an associated collection of Electrostatic Apparatus and another grant of £4,000 towards the purchase of a 19th-century brass Model of the Human Eye. The Whipple also received a grant in March 2004 of £4,000 towards the purchase of a Bryant Celestial Indicator.

## **Unsuccessful Grant Application**

The Whipple Museum made an unsuccessful bid for funding to the DCMS/Wolfson Museums and Galleries Improvement Fund, to help create better disabled access to the galleries. We will be continuing to seek funds for this worthwhile purpose.

## **Donations**

The Waterman Prize is awarded annually by the board of History and Philosophy of Science to the student who has done the best work during the course of the academic year using the collection of the Whipple Museum. This year the prize has been awarded to Kemal de Soysa, for work done in his doctoral thesis, 'Using globes and celestial planispheres in Restoration England', and in recognition of his contribution to increasing knowledge of objects in the Whipple collection. We are very grateful to Trevor Waterman & Sons for their continuing generosity in funding this award.

## **Loans**

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

### **Sedgwick Museum**

Woodward's Study: September 2002 to September 2004

0035 Set of drawing instruments, Dutch 1700

0875 Compound microscope, tripod type c.1690

### **Royal Observatory, Greenwich**

'Robert Hooke: The Man who Knew Everything': February 2003 to February 2004

0211 Compound microscope, Marshall type. Possibly made by John Marshall c.1720

## **Colchester Castle Museum**

'The Life and Legacy of William Gilbert': July 2003 to January 2004

3745 Armed lodestone made by B Koops 1742

## **Wycombe Museum, High Wycombe**

'Exploring Space': January 2004 to May 2004

4543 Model demonstrating the passage of day and night made for the Children's Encyclopaedia, early 20th C.

1206 Orrery and lunarium; made by John Jones; 1782 – 1791

2318 Electrotpe of a mariners astrolabe of 1603.

1180 Ring dial; Possible made by Thomas Wright; first half 18th Century

3198 Universal inclining dial, 1850 - 1900

2341 Universal equinoctial ring dial, English, late 18th Century

2345 Diptych dial, English, late 19th Century

3376 Horizontal pedestal dial by Thomas Blunt, c.1820

2633 Sand-glass, 1700-1800 (c)

T734 Wooden replica nocturnal

## **Behind the scenes**

Boris Jardine, who joined the Museum staff in 2001, and whose work has been funded from a number of projects, began his university course in History and Philosophy of Science at the University of Leeds in September. Ruth Horry (BA, HPS 2003), who has worked in the Museum as a summer intern, stepped in to fill the breach on the DCF-funded project, 'Welcome to the Whipple'. Lisa Newble (BA, Archaeology and Anthropology 2001) continued in her role as Project Technician. Both Ruth and Lisa continue as Project Assistants on our new DCF-funded web project; Boris will be returning to the Whipple during his university vacations to work on this project too. Kees Rookmaaker joined us in July as temporary archivist, with DCF funding.

George MacKerron (BA, Archaeology and Anthropology 2001) joined the Whipple in July to develop the Whipple's website for the HEFCE Aspiration Fund project.

Monica Elsey has been on extended leave and we look forward to welcoming her back.

Becky Tudor (BA, Geography 2002) and Jo Broadwith (BA, HPS 2004) spent the summer of 2003 working in the Museum, among other things on the collection of data from the public as part of the Museum's DCF evaluation process. Becky left at the end of the summer to study for a PGCE in Geography at Nottingham University and Jo continued as a Part II student in HPS.

This summer we have been joined by two other members of staff. James Hyslop (BA, HPS 2004) came to work as an intern over the summer and is staying with us to work on the current DCF project. Lizzie Andrews (BA, English 2004) joined the Museum in June to assist in Museum administration tasks; she has now taken a permanent administration position at Queen Mary's in London.

Jonah Lipton joined the Museum for one week's work experience in June. During his short stay with us Jonah worked on evaluation for the DCF website and the development of children's activities for the Main Gallery handling trolley.

Throughout the year the Museum has been assisted in several tasks by Katie Eagleton (PhD student, HPS). Among other things, Katie has worked on developing a catalogue of our calculator collection, as well as working on the Whipple's forthcoming Festschrift publication.

Over the last year Museum staff have attended training courses in:

Photographic conservation – Lisa Newble and Ruth Horry

Using Oral History – Lisa Newble and Ruth Horry

E-Learning – Lisa Newble and Ruth Horry

ICT Skills sharing – Lisa Newble and Ruth Horry

Risk Management – Lisa Newble

## Recent acquisitions

5948	Curta calculator	5977	Portable battery box
5949	Surveying prismatic compass	5978	Transit box
5950	Rule	5979	Portable temperature indicator
5951	Abney level	5980	Portable temperature indicator
5953	Lettering stencil	5981	Portable temperature indicator
5954	Wooden imperial scale	5982	Slide rule
5955	Aneroid altimeter	5983	Electrostatic generator and apparatus
5956	Box sextant	5984	Model of the human eye
5957	Zeiss Ikon camera	5985	Facit electric calculating machine
5958	Set of drawing instruments	5986	Magic lantern slides
5959	Monocular	5987	Laboratory stand
5960	Prismatic compass	5988	Sharp PC-1211 pocket computer
5961	Schoolboy clinometer	5989	Portrait of Nicholas Saunderson
5962	Circular slide rule	5990	Model cross section of a tree
5963	Slide rule	5991	Gunter quadrant, by Isaac Carver
5964	Naval station pointer	5992	Achromatic compound microscope
5965	Geological hammer	5993	Achromatic compound microscope
5966	Geological heavy hammer	5994	Achromatic compound microscope
5967	Military compass	5995	Slide rule
5968	Geological trimming hammer	5996	Ivory folding rule
5969	Beam compass	5997	Celestial indicator
5970	Palmtronic calculator	5998	Tambours on a stand
5971	Measuring tape	5999	Recording drum
5972	Otis King cylindrical slide rule	6000	Clockwork recording drum
5973	Small graticule grid	6001	Portable drafting machine
5974	Edinburgh students' microscope	6002	Stand
5975	Wheatstone symphonium	6003	Adjustable stand
5976	Orrery		

# Individuals

## Annual reports of members of the Department

### Jon Agar

Aside from teaching, the two activities I have been most satisfied with this year concern proposals for identity cards and experiments in new ways of engaging science and technology with their publics. The contextual research on the history of governmental information systems (see: *The Government Machine*) meant I was able to bring a critical historian's perspective on new proposals for identity cards, via television, radio and print. The Royal Society of Arts' Forum for Technology, Citizens and the Market project has provided a means of bridging the gap between science-based industries, the sociology of science and wider publics.

#### Publications

##### *Books*

Agar, J. (2003) *The Government Machine: A Revolutionary History of the Computer*, MIT Press

Agar, J. (2004) *Constant Touch: A Global History of the Mobile Phone*, Icon (Second Revised Edition)

#### In Press

##### *Articles in journals*

Agar, J. 'Reading Carson at Monks Wood', *History of Science*

Agar, J. 'What difference did computers make to science?', *Social Studies of Science*

#### Lectures and Conferences

##### *February 2004*

Agar, J. 'The history of cellular mobile phones', the 2004 Blumlein Lecture, IEE

##### *April 2004*

Agar, J. 'From rockets to radios – cartoon images of technology', Hayward Gallery (part of Lichtenstein exhibition public programme)

##### *May 2004*

Agar, J. 'Physical sciences in the twentieth century', four lectures for Museum of History of Science, University of Oxford

### Katherine Angel

Katherine ran the History of Science Workshop in Michaelmas and Lent Terms. From October 2003 until April 2004, she intermitted her PhD to take up a post of Research Associate on a research project in the HPS department called *Philosophy of Healthcare Technology*, the grant for which was provided by Pfizer Global Research and Development. She started the second year of her PhD in April 2004.

#### Publications

##### *Reports*

Lewens, T., Angel, K. and John, S. 'Disease, trust and risk: philosophy in healthcare technology'

#### Lectures and Conferences

##### *November 2003*

Angel, K. 'The critique of medicalisation: the last forty years', History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge

July 2004

Angel, K. 'Green fingers or pink Viagra? Female sexual dysfunction and medicalisation in contemporary medical discourse', Making Sense of Health, Illness and Disease, St Catherine's College, Oxford

July 2004

Angel, K. 'Green fingers or pink Viagra? Female sexual dysfunction and medicalisation in contemporary medical discourse', Postgraduate Workshop, Centre for Medical History, University of Exeter

## Debby Banham

This year I've been pleased (and relieved) to finally get some of my work on Anglo-Saxon diet into the public domain (see below). I'm also looking forward to seeing my revised chronology of pre-twelfth-century English medicine in print. I've enjoyed working with the HPS Latin Therapy group (very therapeutic for me, at least), and continued my multifarious teaching activities, including the final year of team-teaching the core lectures on the Anglo-Saxon economy with Dr Ros Faith in the History Faculty, and a summer-school course on medieval Cambridge. And I've managed to avoid giving conference papers almost completely.

### Publications

#### *Books*

Banham, D. (2004) *Food and Drink in Anglo-Saxon England*, Tempus

#### *Articles in books*

Banham, D. (2003) 'Be hlafum and wyrstum: food plants in Anglo-Saxon society and economy' in C.P. Biggam (ed.) *From Earth to Art: The Study of Anglo-Saxon Plants*, Rodopi, 119-131

#### *Articles in journals*

Banham, D., Biggam, C.P. et al. 'Bibliography for 2002', *Anglo-Saxon England* 32 (2003), 307-406

### In Press

#### *Articles in books*

Banham, D. (2005) 'A millennium in medicine? New medical texts in England in the eleventh century', in S. Keynes and A. Smyth (eds) *Festschrift for C.R. Hart*

### Lectures and Conferences

November 2003

Banham, D. 'Æppeltun and leactun: orchards and vegetable gardens in England before the Norman Conquest', Medieval Diet Group, Somerville College, Oxford

May 2004

Panel member, study-day on early medieval medicine, Centre for Late Antiquity, University of Manchester

## Andrew Barry

### Publications

#### *Articles in books*

Barry, A. (2004) 'Ethical capitalism' in W. Larner and W. Walters (eds) *Global Governmentality*, Sage, London, 195-211

Barry, A. (2004) 'Organics' in D. Harrison, S. Pile and N. Thrift (eds) *Patterned Ground: Ecologies and Geographies of Nature and Culture*, Reaktion, London, 248-249

### In Press

#### *Books*

Barry, A. and Slater, D. (eds) (2004) *The Technological Economy*, Routledge

## Lectures and Conferences

### *September 2003*

Barry, A. 'Politicisation and demonstration', colloque Émergence des cosmopolitiques et de la pensée aménagiste, Centre Culturel International de Cérisy-la-Salle

Barry, A. 'Technology and the political event', workshop on Politics in Technological Societies organised by the University of Amsterdam and the École des Mines de Paris, Rotterdam

### *February 2004*

Barry, A. 'Why invention?', Saïd Business School, University of Oxford

### *March 2004*

Barry, A. 'Oil, water and democracy', workshop on ecological governance, École des Mines, Paris

### *April 2004*

Barry, A. 'What has the European Union become?', British Council/Department of International Relations, Foreign Languages University, Baku, Azerbaijan

Barry, A. 'Technology and politics', British Council/Department of Politics, Philosophy and Sociology, Chevchevardze University, Tbilisi, Georgia

### *May 2004*

Barry, A. 'On being transparent', colloquium on Social Property, CRASSH, University of Cambridge

### *June 2004*

Co-organiser, workshop on Inside/Outside Markets, École des Mines de Paris

Barry, A. 'On transparency: oil and democracy in Georgia and Azerbaijan', workshop on Inside/Outside Markets, École des Mines, Paris

Co-organiser, conference on Whitehead, Invention and Social Process, Goldsmiths College

Barry, A. 'Whitehead and sociology', conference on Whitehead, Invention and Social Process, CSISP, Goldsmiths College, University of London

### *August 2004*

Barry, A. 'On consultation', Public Proofs: Science, Technology and Democracy, EASST/4S conference, Paris

## Research Grants

'Social and human rights impact assessment and the governance of technology', Economic and Social Research Council, £44,000, 2003-4

'Interdisciplinarity and society: a critical comparative study' (with M. Strathern and G. Born), Economic and Social Research Council, £182,000, 2004-6

# Lorenzo Bernasconi

## Lectures and Conferences

### *August 2004*

Bernasconi, L. 'Wittgenstein, Bourdieu and the ontology of the social: some Kripkean reflections on the notion of the Habitus', 2004 Annual Conference of the International Association for Critical Realism (IACR), University of Cambridge

# Patrick J. Boner

Patrick has spent much of this year plotting out his dissertation. In addition to having received an Overseas Research Studentship and Rausing Award for the coming academic year, Patrick has been given support by Darwin College and the Cambridge European Trust to undertake research at the University of Barcelona in the fall of 2004. He has been invited to continue his studies in January at the University of Oklahoma as an Andrew W. Mellon Research Fellow. Upon his return, Patrick intends to help organise the Latin Therapy Group for the final term of what looks to be another annual dose of delvings into classical, medieval and early-modern texts.

## Publications

### *Books*

Boner, P. and Eagleton, C. (eds) (2004) *Instruments of Mystery*, Whipple Museum of the History of Science



## **In Press**

### **Articles in books**

Boner, P. 'Fabricius, David', in K. Bracher, S. Schechner, V. Trimble, T. Williams, F. Jamil Ragep and T. Hockey (eds) *Biographical Encyclopedia of Astronomers*, Kluwer Academic Publishers

### **Articles in journals**

Boner, P. 'Soul-searching with Kepler: an analysis of *anima* and metaphysical matters in Kepler's astrology', *Journal for the History of Astronomy*

## **Lectures and Conferences**

June 2004

Boner, P. 'Written in the stars: Kepler's early astrological correspondence', History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge

# Alex Broadbent

## **Lectures and Conferences**

July 2004

Broadbent, A. 'Preserving the No-Miracles Argument', British Society for the Philosophy of Science, University of Kent at Canterbury

# Robert Bud

## **In Press**

### **Articles in books**

Bud, R. 'The Penicillin epidemic and the Asian flu epidemic of the 1950s' in C. Timmerman (ed.) *Devices and Desires*

### **Articles in journals**

Bud, R. 'Antibiotics, big business and consumers: the politics of consumption after WW2', *Technology and Culture* (conditionally accepted pending revision)

## **Websites**

Project director for <http://www.ingenious.org.uk> (launched 9 June 2004) and <http://www.makingthemodernworld.org.uk> (launched 9 June 2004)

## **Lectures and Conferences**

November 2003

Bud, R. 'Smashing science's boundaries in World War II? Teamwork, technoscience, public engagement and penicillin', Department of History and Philosophy of Science, University of Cambridge

February 2004

Bud, R. 'Penicillin as brand and chemical: the interrelation of incommensurable categories', London School of Hygiene and Tropical Medicine

June 2004

Bud, R. 'Food and wonder drugs before World War II: continuities and distinctions' at 'Eating, treating, and competing: food and drugs in history', Université Louis Pasteur, Strasbourg

Bud, R. 'Mode 2 in World War II: public engagement, teamwork and radical discontinuity in the nature of science – the case study of penicillin', Annual Meeting of the British Society for the History of Science, Liverpool

September 2004

Bud, R. 'Telling the penicillin story: comedy or tragedy' at 'Narrative Research in Health and Illness', BMA London

Bud, R. 'Buying trust: physicians, patients and penicillin in the last third of the 20th century' at 'Mediating Biomedicine: Engaging, Resisting, Negotiating', Manchester

Bud, R. 'Penicillin as a wonder drug: the construction of a public image and its collapse' at 'Public Images of Chemistry in the 20th Century', Commission for the History of Modern Chemistry, Paris

# Soraya de Chadarevian

## Publications

### Books

de Chadarevian, S. and Hopwood, N. (eds) (2004) *Models: The Third Dimension of Science*, Stanford University Press

### Articles in books

Hopwood, N. and de Chadarevian, S. (2004) 'Dimensions of modelling' in S. de Chadarevian and N. Hopwood (eds) *Models: The Third Dimension of Science*, Stanford University Press, 1–15

de Chadarevian, S. (2004) 'Models and the making of molecular biology' in S. de Chadarevian and N. Hopwood (eds) *Models: The Third Dimension of Science*, Stanford University Press, 339–368

de Chadarevian, S. (2003) 'DNA and genetics' in D. Loades (ed.) *Reader's Guide to British History*, Routledge

### Articles in journals

de Chadarevian, S. 'Helix überall. Über den Karrierebeginn einer Wissenschaftsikonin', *Neue Rundschau* 114 (2003), 69–74

## In Press

### Articles in books

de Chadarevian, S. (2004) 'Mapping the worm's genome: tools, networks, patronage' in J.-P. Gaudillière and H.-J. Rheinberger (eds) *Mapping Cultures in Twentieth Century Genetics*, Routledge

de Chadarevian, S. 'Storia di una scoperta' in *Cinquantenario della scoperta della struttura a doppia elica del DNA*, Istituto Lombardo di Scienze e Lettere (also to appear in Spanish translation)

### Reviews

de Chadarevian, S. Review of K. Radar, *Making Mice: Standardizing Animals for American Biomedical Research, 1900-1955*, in *Journal of the History of Medicine and Allied Sciences*

## Lectures and Conferences

### September 2003

de Chadarevian, S. 'Origins and birthdays – the double helix 50 years on', History of Microbiology Lecture, Society of General Microbiology Meeting, Manchester

de Chadarevian, S. 'The making of a discovery', BA Festival of Britain, University of Salford

de Chadarevian, S. 'DNA at the Cavendish Laboratory in Cambridge', conference 'DNA and Beyond', co-organised by the British Council and the Pasteur Institute, Paris

### October 2003

de Chadarevian, S. 'Nuclear physics establishments as sites of biological research', meeting of the German Society for the History and Theory of Biology, Naples

de Chadarevian, S. 'Storia di una scoperta', Istituto Lombardo/Academia delle Scienze, Milan

### November 2003

de Chadarevian, S. 'How the double helix became the most important discovery of the twentieth century', History of Science Society meeting, Cambridge, Mass.

de Chadarevian, S. 'The making of a discovery', British Council, Vilnius, Lithuania

### February 2004

de Chadarevian, S. 'Models and the history of molecular models', Symposium *Listen der Evidenz*, Kulturwissenschaftliches Forschungskolleg Medien und kulturelle Kommunikation, University of Cologne

### March 2004

de Chadarevian, S. 'Models: the third dimension of science', Medical Faculty, University of Pavia, Italy

### April 2004

de Chadarevian, S. 'Class – not gender? Rosalind Franklin and her defenders', Associazione Donne e Scienza, Rome

### May 2004

de Chadarevian, S. 'Mice and the reactor: the "genetics project" in 1950s Britain', seminar talk at CHSTM, University of Manchester

de Chadarevian, S. 'The "genetics project" in 1950s Britain', Bioethics Forum, University of Cambridge

### June 2004

de Chadarevian, S. 'Information in biology', discussion group, Department of Philosophy, Logic and Scientific Method, London School of Economics, LSE

# Nick Dew

This year Nick Dew continued to hold a British Academy Post-Doctoral Fellowship in the History Faculty and a Research Fellowship at St Catharine's College. He is happy to report that he has accepted a tenure-track job in the history department at McGill University, to start in the autumn of 2004. There he will teach early modern European history, but he will also be involved in the history and philosophy of science programme.

## Publications

### Articles in books

Dew, N. (2004) 'The order of Oriental knowledge: the making of d'Herbelot's *Bibliothèque Orientale*' in C. Prendergast (ed.) *Debating World Literature*, Verso

## In Press

### Articles in books

Dew, N. 'Gallois, Jean', 'Graindorge, André', 'Montmor, Henri-Louis Habert de', 'Sallo, Denis de' and 'Thévenot, Melchisédech' in L. Foisneau (ed.) *The Dictionary of Seventeenth-Century French Philosophers*, Thoemmes Press

## Lectures and Conferences

### November 2003

Dew, N. 'The geography of precision in the French Atlantic', History of Science Society Annual Meeting, Cambridge, Mass.

### February 2004

Dew, N. 'Networks of knowledge in the French Atlantic world', History Department, Rutgers University, Newark, New Jersey

Dew, N. 'Networks of knowledge in the French Atlantic world', History Department, McGill University, Montréal, Québec

### May 2004

Dew, N. 'Collecting travels in late seventeenth-century Paris', University of Southern California/Huntington Library Early Modern Studies Institute conference, 'The early modern travel narrative', Los Angeles, California

# Thomas Dixon

Thomas Dixon has, for the last four years, been an Affiliated Research Scholar of the HPS Department and a Postdoctoral Fellow at the Faculty of Divinity. From September 2004 he takes up a new post as Lecturer in History at Lancaster University, where his e-mail will be t.dixon@lancaster.ac.uk.

## Publications

### Articles in books

Dixon, T. (2003) 'Charles Booth', 'Thomas Brown', 'J. F. Ferrier', 'William Hamilton', 'Harriet Martineau', 'John Stuart Mill' and 'Dugald Stewart' in Bernard Lightman (ed.) *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press

Dixon, T. (2004) 'Herbert Spencer and altruism: the sternness and kindness of a Victorian moralist' in G. Jones and R.A. Peel (eds) *Herbert Spencer: The Intellectual Legacy*, Galton Institute, 85-124

### Articles in journals

Dixon, T. 'Looking beyond "the rumpus about Moses and monkeys": religion and the sciences in the nineteenth century', *Nineteenth Century Studies* 17 (2003), 25-33

### Reviews

Dixon, T. Review of J. Secord, *Victorian Sensation*, in *Annals of Science* 60 (2003), 445-447

Dixon, T. Review of G. Bunn, A.D. Lovie and G.D. Richards (eds) *Psychology in Britain*, in *BJHS* 36 (2003), 375-377

Dixon, T. Review of M. Ruse, *Darwin and Design*, in *TLS*, 16 January 2004, 26

## In Press

### Books

Dixon, T. (2004) *How to Get a First: The Essential Guide to Academic Success*, RoutledgeFalmer

### **Articles in books**

Dixon, T. (2004) 'Religion and science' in J. Hinnells (ed.) *Companion to the Study of Religion*, Routledge

Dixon, T. (2004) 'Agnosticism', 'Altruism' and 'Natural Theology' in Maryanne Cline Horowitz (ed.) *New Dictionary of the History of Ideas*, Scribner's

Dixon, T. (2005) 'The invention of altruism: Auguste Comte's positive polity and respectable unbelief in Victorian Britain' in D. Knight and M. Eddy (eds) *Science and Beliefs: From Natural Philosophy to Natural Science*, Ashgate

### **Lectures and Conferences**

#### *December 2003*

Dixon, T. 'Emotional stupidity? Christians, stoics, reason and the passions', Public Lecture, University of Antwerp

#### *June 2004*

Dixon, T. 'The sternness and kindness of a scientific ethicist: Herbert Spencer reappraised', British Society for the History of Science Annual Conference, Liverpool

## **Nader El-Bizri**

Nader El-Bizri is an Affiliated Research Scholar at the HPS department, where he lectures on Arabic sciences. Moreover, he is a Research Associate in Philosophy at the Institute of Ismaili Studies, London, where he also acts as the Managing Editor of a multi-authored, multi-volume, Arabic critical edition and annotated English translation with commentaries of *The Epistles of the Brethren of Purity (Rasa'il Ikhwan al-Safa'*, a compendium of Arabic sciences, c. 10th century). In addition, he is coordinating an Arabic Classics project with the Institut Français d'Études Arabes de Damas.

### **Publications**

#### **Articles in books**

El-Bizri, N. (2004) 'Variations autour de la notion d'expérience dans la pensée arabe' in N. Tazi (ed.) *L'expérience*, Éditions la Découverte, 39-58

El-Bizri, N. (2003) 'Avicenna's *De Anima* Between Aristotle and Husserl' in A.-T. Tymieniecka (ed.) *The Passions of the Soul in the Metamorphosis of Becoming*, Kluwer Academic Publishers, 67-89

#### **Articles in journals**

El-Bizri, N. 'Religion and measure', *Phenomenological Inquiry* 27 (2003), 128-155

#### **Reviews**

El-Bizri, N. Review of C. Edward, *Representing Place: Landscape Painting and Maps*, in *The Journal of the British Society for Phenomenology* 35 (2004), 223-224

El-Bizri, N. Review of M. Muhsin, *Alfarabi and the Foundation of Islamic Political Philosophy*, in *The Review of Metaphysics* 56 (2003), 889-890

### **In Press**

#### **Articles in books**

El-Bizri, N. 'The varieties of *Experience* in Arabic thought' in N. Tazi (ed.) *Experience*, Other Press

El-Bizri, N. '*La phénoménologie et l'optique géométrique*' in A. Allard (ed.) *Actes du congrès de la Société Internationale d'Histoire des Sciences et des Philosophies Arabes et Islamiques*, Facultés Universitaires Notre-Dame de la Paix

El-Bizri, N. 'God's essence and attributes' in T. Winter (ed.) *The Cambridge Companion to Islamic Theology*, Cambridge University Press

El-Bizri, N. '*Microcosm and Macrocosm*: a tentative encounter between Graeco-Arabic philosophy and phenomenology' in A.-T. Tymieniecka (ed.) *Microcosm and Macrocosm: Historical and Contemporary Concerns*, Kluwer Academic Publishers

El-Bizri, N. 'La nature dans la pensée arabe' in N. Tazi (ed.) *La Nature*, Éditions la Découverte

El-Bizri, N. 'The conceptions of *Nature* in Arabic thought' in N. Tazi (ed.) *Nature*, Other Press

#### **Articles in journals**

El-Bizri, N. '*ON KAI KHÔRA*: situating Heidegger between the *Sophist* and the *Timaeus*', *Studia Phaenomenologica* 4

El-Bizri, N. 'La perception de la profondeur: Alhazen, Berkeley et Merleau-Ponty', *Oriens-Occidens: Sciences, Mathématiques et Philosophie de l'Antiquité à l'Age Classique* 5

El-Bizri, N. '*Ontopoïesis* and the interpretation of Plato's *Khôra*', *Analecta Husserliana*

## Lectures and Conferences

November 2003

El-Bizri, N. 'The empty seat at Derrida's *Capri Table*: an invitation to a philosophical dialogue with Islam?', Heythrop College, University of London

December 2003

El-Bizri, N. 'Religion and the call for measure', American Philosophical Association, Eastern-Division Meeting, Washington D.C.

March 2004

El-Bizri, N. 'Alhazen's optical and geometrical conception of place', Institute of Architecture, University of Nottingham

April 2004

El-Bizri, N. 'La conception du lieu dans la théorie de la perception d'Alhazen', Centre d'Histoire des Sciences et des Philosophies Arabes et Médiévales, CNRS, Paris

June 2004

El-Bizri, N. 'Integrating the history of science and philosophy in architectural education', Welsh School of Architecture, Cardiff University

August 2004

El-Bizri, N. 'Being and necessity', Third World Congress of Phenomenology, University of Oxford

## Jim Endersby

During this, the second year of my research fellowship at Darwin College I completed the manuscript of my book, *Imperial Nature: Joseph Dalton Hooker and the Practices of Victorian Science*, which is currently (June 2004), under consideration by the University of Chicago Press. I also signed a contract for two books aimed at a more general audience with William Heinemann Ltd (see 'publications' below).

I organised a meeting of the Society for the History of Natural History in Cambridge, May 2003 and was elected Honorary Treasurer of the Society. I'm continuing my post-doctoral research on the history of the life sciences, especially the history of classification, in the late nineteenth and twentieth centuries.

## Publications

### Articles in books

Endersby, J. (2004) 'Joseph Dalton Hooker', 'Charles Kingsley', 'William Colenso', 'Arthur Henfrey', 'Ronald Campbell Gunn', 'Edward Newman' and 'Thomas Thomson' in *Dictionary of Nineteenth Century British Scientists*, Thoemmes Press

### Reviews

Endersby, J. 'Escaping Darwin's shadow', essay review of books on Alfred Russel Wallace (Shermer, *In Darwin's Shadow*; Berry, *Infinite Tropics*; Raby, *Alfred Russel Wallace*; Wilson, *The Forgotten Naturalist*; Camerini, *The Alfred Russel Wallace Reader*; and Quammen, *The Song of the Dodo*) in *Journal of the History of Biology* 36 (2003), 385-403

Book reviews for the *British Journal for the History of Science*, the *Times Literary Supplement* and the *Journal of the History of Earth Sciences Society*

## In Press

### Books

Endersby, J. *A Guinea Pig's History of Biology: The Animals and Plants who Taught us the Facts of Life* (an introduction to the history of biology, aimed at both undergraduate and general audiences, focussed on the experimental organisms which were central to the understanding of sexual reproduction, inheritance and genetics)

Endersby, J. *My Dear Darwin, My Dear Hooker: The Art and Science of Victorian Friendship* (a popular account of Hooker and Darwin's friendship and of the importance of friendships and social networks among Victorian male naturalists more generally)

### Articles in books

Endersby, J. (2004) 'Classifying sciences: systematics and status in mid-Victorian natural history' in M. Daunton (ed.) *The Organisation of Knowledge in Victorian Britain*, British Academy/Oxford University Press

Endersby, J. (2004) 'Joseph Dalton Hooker' in *New Dictionary of National Biography*, Oxford University Press

## Lectures and Conferences

December 2003

Endersby, J. 'The Vagaries of a Refined: classifying naturalists in early nineteenth-century America', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

June 2004

Endersby, J. 'Inside Darwin's greenhouse', public lecture organised by Trinity College and the Ray Trust, Trinity College, Cambridge

# Patricia Fara

## Publications

### Books

Fara, P. (2003) *Sex, Botany and Empire: The Stories of Carl Linnaeus and Joseph Banks*, Icon Books

Fara, P. (2004) *Pandora's Breeches: Women, Science and Power*, Pimlico

### Articles in books

Fara, P. (2003) 'Marginalized practices' in Roy Porter (ed.) *The Cambridge History of Science*, Volume 4: *Eighteenth-Century Science*, Cambridge University Press, 485-507

Fara, P. (2004) 'Verfielfältiges Leben: Newtonianismus, Natürliche Theologie und die Debatte um die Vielzahl der Welten im 18. Jahrhundert,' in Thomas Weber (ed.) *Science & Fiction: Leben auf anderen Sternen*, Fischer Taschenbuch Verlag, 61-88

### Articles in journals

Fara, P. 'Heavenly bodies: Newtonianism, natural theology and the plurality of worlds debate in the eighteenth century', *Journal for the History of Astronomy* 35 (2004), 143-160

Fara, P. 'Émilie du Châtelet: the genius without a beard', *Physics World*, June 2004, 14-15

Fara, P. 'Edmond Halley', *Endeavour* 28 (2004), 57-58

Fara, P. 'Sisters in science', *History Today* 54/5 (2004), 39

Fara, P. 'Looking at J.B.S. Haldane', *Endeavour* 28 (2004), 12-13

Fara, P. 'The first President of the Royal Society', *Endeavour* 27 (2003), 148-149

Fara, P. 'Portrait of a nation', *New Statesman*, 6 October 2003, 38-39

Fara, P. 'Joseph Banks: Pacific pictures', *Endeavour* 27 (2003), 110-112

### Reviews

Fara, P. Review of L. Jardine, *The Curious Life of Robert Hooke*, in *Prospect*, December 2003, 74-75

Fara, P. Review of C. Djerassi and D. Pinner, *Newton's Darkness: Two Dramatic Views*, in *Notes and Records of the Royal Society* 58 (2004), 237-238

Fara, P. Review of R. Porter, *Flesh in the Age of Reason*, in *Nature* 426 (2003), 497-498

Fara, P. Review of J. Bennett et al, *London's Leonardo: The Life and Work of Robert Hooke* and M. Cooper, 'A More Beautiful City': *Robert Hooke and the Rebuilding of London after the Great Fire*, in *History Today* 54/6 (2004), 56

Fara, P. Review of J. Gleick, *Isaac Newton*, in *Prospect*, October 2003, 74

Fara, P. Review of W. Burns, *An Age of Wonders: Prodigies, Politics and Providence in England 1657-1727*, in *Isis* 94 (2003), 728

Fara, P. Review of K. Alder, *The Measure of All Things: The Seven-year Odyssey that Transformed the World*, in *Notes and Records of the Royal Society* 57 (2003), 350-351

Fara, P. Review of M. Beretta, *Imaging a Career in Science: The Iconography of Antoine Laurent Lavoisier*, in *Ambix* 50 (2003), 242-243

## In Press

### Articles in books

Fara, P. (2005) 'Framing the evidence: scientific biography and portraiture' in Thomas Söderqvist (ed.) *The Poetics of Biography in Science, Technology and Medicine*, Ashgate

Fara, P. (2004) 'Christlicher Philosoph oder Volksheld? Die vielen Gesichter von Isaac Newton' in T. Junge and D. Ohllhoff (eds) *Verrückt, prophetisch, unheimlich - Ansichten wissenschaftlicher Charaktere*, Alibri Verlag Aschaffenburg

### **Articles in journals**

- Fara, P. and Money, D. 'Isaac Newton and Augustan Anglo-Latin poetry', *Studies in the History and Philosophy of Science* (2004)
- Fara, P. 'Curicatures', *Endeavour* (2004)

### **Reviews**

- Fara, P. Review of the Enlightenment Gallery at the British Museum, in *British Journal for the History of Science*
- Fara, P. Review of K. Knox and R. Noakes (eds) *From Newton to Hawking: A History of Cambridge University's Lucasian Professors of Mathematics*, in *Notes and Records of the Royal Society*
- Fara, P. Review of the George III exhibition at Buckingham Palace, in *New Statesman*
- Fara, P. Review of C. Zimmer, *Soul Made Flesh*, in *New Statesman*

## **Lectures and Conferences**

### *October 2003*

- Fara, P. 'Advertising empire', Tate Britain
- Fara, P. 'Newton between the lines', Museum of History of Science, University of Oxford

### *November 2003*

- Fara, P. 'Hidden depths: Halley, hell and other people', Department of History and Philosophy of Science, University of Cambridge

### *December 2003*

- Fara, P. 'Mathematical muses: rewriting women's history', British Society for the History of Mathematics, London
- Fara, P. 'Imperial perspectives', Café Scientifique, Leicester
- Fara, P. 'Imperial perspectives', Café Scientifique, Nottingham

### *January 2004*

- Fara, P. 'Imperial perspectives', Café Scientifique, Lancaster

### *April 2004*

- Fara, P. 'Sisters in science', Imperial College London

### *May 2004*

- Fara, P. 'Sisters in science', Clare College, Cambridge

### *June 2004*

- Fara, P. 'Mathematical muses: writing women into history,' Anja Greer Mathematics conference, New Hampshire

### *August 2004*

- Fara P. 'Women, science and Enlightenment', Edinburgh Book Festival

### *September 2004*

- Fara, P. 'Hidden depths: Halley, hell and other people', Department of History and Philosophy of Science, Cornell University
- Fara, P. 'Sisters in science', Phillips Exeter Academy, New Hampshire

## **John Forrester**

John Forrester was Acting Head of Department until the end of 2003 and Senior Examiner, NST Part II HPS in 2003-4. He was a Participant in a Workshop devoted to 'Knowledge and Belief', organised by Max Planck Institut für Wissenschaftsgeschichte, Berlin, contributing three papers to the meetings that took place in the year: 'Project proposal' (September 2003), 'To live without belief' (March 2004) and 'Where do babies come from?' (July 2004). In early 2004, he took over as Editor of the journal *Psychoanalysis and History*. He was appointed External Examiner, MSc Psychoanalytic Studies, University of Essex. He was elected to Honorary Life Membership, Library, British Psycho-Analytical Society. He was Professor at the First Ittingen Summer School on 'The Cunning of Science', Kartaus Ittingen, Switzerland, 24-30 July 2004.

## **Publications**

### **Articles in books**

- Forrester, J. (2004) "'I'll let you be in my dreams if I can be in yours" (Bob Dylan): Freud's place in twentieth century dreams' in *L'Écriture et la parole. Mélanges en hommage à Conrad Stein*, Paris: P.A.U. Education, 65-74

### **Articles in journals**

Forrester, J. 'Freud in Cambridge', *Critical Quarterly* 46 (2004), 1-26

Forrester, J. "'A sort of devil" (Keynes on Freud, 1925): reflections on a century of Freud-criticism', *Osterreichische Zeitschrift für Geschichtswissenschaften* 14 (2003), 70-85

### **Lectures and Conferences**

#### *December 2003*

Forrester, J. 'Freud's Women revisited', introductory talk, Conference on Women of Psychoanalysis organised by Freud Museum and *Psychoanalysis and History*, Tavistock Centre, London

#### *January 2004*

Forrester, J. "'I'll let you be in my dreams if I can be in yours" (Bob Dylan): Freud's place in twentieth century dreams', Symposium: The History of Dreams and Altered States, Part II, The Wellcome Institute, London

#### *April 2004*

Forrester, J. 'Historical notes on the relations between psychoanalysis and medicine', paper given to Medical Society of London

Forrester, J. 'The past, present and future of mental health', talk given to Cambridge Student Union Mental Awareness Week, St John's College, Cambridge

#### *May 2004*

Forrester, J. 'Does it make sense to talk of "scientific modernism"?: the case of psychoanalysis', paper given to Seminar on Modernism, Philosophy and Psychoanalysis, Centre for Modernist Studies, University of Sussex

#### *July 2004*

Forrester, J. 'The uses of placebos', lecture and day-seminar, First Ittingen Summer School: The Cunning of Science, Kartaus Ittingen, Switzerland

## **Aileen Fyfe**

Aileen Fyfe continues to be Lecturer in the Department of History at the National University of Ireland, Galway. Her research group on 'Networks of Science and Culture in Ireland' is now well underway, and has been successful in attracting funding from the Royal Irish Academy, as well as from the Irish Research Council for Humanities and Social Sciences. Aileen has just been awarded a Government of Ireland Fellowship, for the coming academic year, which provides her with teaching-relief to work on her new book. She is still Treasurer of the British Society for the History of Science. She co-organised a conference in Toronto on 'Popular Science in the Nineteenth Century: sites and experiences'.

### **Publications**

#### **Books**

Fyfe, A. (2004) *Science and Salvation: Evangelicals and Popular Science Publishing in Victorian Britain*, University of Chicago Press

#### **Articles in books**

Fyfe, A. (2004) 'Introduction' to Jane Marcet, *Conversations on Chemistry* [1806], Thoemmes Press

Fyfe, A. (2004) 'Periodicals and book series: complementary aspects of a publisher's mission' in L. Henson, G. Cantor and S. Shuttleworth (eds) *Culture and Science in the Nineteenth-Century Media*, Ashgate, 71-82

Fyfe, A. (ed.) (2004) 'Popularisers' section of B. Lightman (ed.) *Biographical Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press

#### **Reviews**

Fyfe, A. and Smith, P.A. 'Telling stories', essay review of Icon Books 'Revolutions in Science' series, *British Journal for the History of Science* 36 (2003), 471-476

### **In Press**

#### **Articles in journals**

Fyfe, A. 'Commerce and philanthropy: the Religious Tract Society and the business of publishing', *Journal of Victorian Culture* 9 (2004)



## Lectures and Conferences

November 2003

Fyfe, A. 'Media technology: steam-printing and the first of the mass media', History of Science Society annual meeting, Boston

February 2004

Fyfe, A. 'Transplanting knowledge: British publishers negotiating for the American market in the mid-nineteenth century', Connected by Books: The Forging of Transatlantic Literary Communities, London

June 2004

Fyfe, A. 'Travellers' science: railways, guidebooks and popular science', British Society for the History of Science annual meeting, Liverpool

August 2004

Fyfe, A. 'Reading and/or visiting: natural history in the *Pictorial Museum* and the British Museum', Popular Science in the Nineteenth Century: sites and experiences, Toronto

Fyfe, A. 'Bringing British popular science to America: the role of technology in the negotiations of W&R Chambers', Circulating Knowledge (5th Joint British-North American History of Science meeting), Halifax Nova Scotia

## Axel Gelfert

Axel Gelfert would like to thank the Kurt Hahn Trust, the Gates Cambridge Trust and the Arnold Gerstenberg Trust for financial support over the past year.

### Publications

#### Articles in books

Gelfert, A. (2004) 'Das Zweifelhafte und das Pathologische: Skeptizismus zwischen Therapie, "philosophischer Krankheit" und Bioethik' in B.v. Jagow and F. Steger (eds) *Repräsentationen. Medizin und Ethik in Literatur und Kunst der Moderne*, Heidelberg: C. Winter Universitätsverlag, 198-221

#### Articles in journals

Gelfert, A. 'Manipulative success and the unreal', *International Studies in the Philosophy of Science* 17 (2003), 245-263

### In Press

#### Articles in journals

Gelfert, A. 'Mathematical rigor in physics: being realistic about exact results', *Philosophy of Science* (PSA Special Issue, 2005)

#### Reviews

Gelfert, A. Review of R. Foley, *Intellectual Trust in Oneself and Others*, in *Logical Analysis and History of Philosophy* 6 ('History of Epistemology', 2005)

### Lectures and Conferences

July 2004

Gelfert, A. 'Mathematical rigour in physics: the role of rigorous results in constructing many-body models', Conference of the British Society for the Philosophy of Science, University of Canterbury, Kent

## Jeremy Gray

In January 2004 I was appointed as a Core Member of the Panel on History of Mathematics for the Program Committee of the International Congress of Mathematicians to be held in Madrid, Spain in 2006. The panel proposes Speakers to the Program Committee.

In February 2004 I was appointed to the three-member sub-committee of the International Commission on the History of Mathematics (ICHM) to choose the next recipient of the Kenneth O. May Medal for the history of mathematics, to be awarded at the International Congress for the History of Science in Beijing in 2005.

## Publications

### Books

- Gray, J.J. (2003) Introduction, commentary and additional material in the re-edition of R.W. Dunnington, *Gauss – Titan of Science*, Mathematical Association of America
- Gray, J.J. (2004) *El reto de Hilbert*, Drakonotos, Crítica, Barcelona (translation of *The Hilbert Challenge*, Oxford University Press, 2000)
- Gray, J.J. (2004) *Bolyai and Geometry*, Dibner Institute, MIT Press

## In Press

### Articles in books

- Gray, J.J. (2004) ‘Gauss and non-Euclidean geometry’ in *Proceedings of the Conference on the 200th Anniversary of the Birth of Janos Bolyai*, (Budapest, Hungary, July 2002), Kluwer
- Gray, J.J. (2004) ‘Poincaré – between physics and philosophy’ in M. Friedman and A. Nordmann, (eds) *Kant and the Exact Sciences*, Dibner Institute Press, MIT
- Gray, J.J. (2004) ‘Enriques: popularising science and the problems of geometry’ in J. Lützen (ed.) *Proceedings of the Conference on Interactions between Mathematics, Physics, and Philosophy, 1850-1940*, Kluwer
- Gray, J.J. (2004) ‘A.R. Forsyth’ in J. Richards (ed.) *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press
- Gray, J.J. (2004) ‘Poncelet and projective geometry’, ‘Riemann’s geometries’ and ‘Klein’s Erlangen Program’ in I. Grattan-Guinness (ed.) *Landmark Writings in Western Mathematics, 1640-1940*, Elsevier
- Gray, J.J. (2004) ‘Mathematical prizes’ for a book on the Clay Prizes, Clay Mathematics Institute
- Gray, J.J. (2005) ‘Geometry, history of’ in *Princeton Companion to Mathematics*, Princeton U.P.
- Gray, J.J. (2005) ‘Geometry’ in *New Dictionary of the History of Ideas*, Scribner’s, New York

### Articles in journals

- Gray, J.J. ‘Anxiety and abstraction in 19th-century mathematics’, *Science in Context* (2004)

## Lectures and Conferences

### January 2004

- Gray, J.J. ‘Gauss, Bolyai, and non-Euclidean geometry’, Conference on the History of Mathematics of the ETH, Zürich and the Collegium Helveticum

### May 2004

- Gray, J.J. ‘Whose history is it anyway? Audiences for the history of mathematics and the problems they raise’, conference on ‘Exploring the history of mathematics: how do we know what questions to ask?’, Richmond, Virginia, USA

## Dan Heard

Dan transferred his PhD to HPS from the University of Edinburgh in October 2003. His research is supported by awards from the AHRB and the Isaac Newton Trust.

## Publications

### Reviews

- Heard, D. Critical notice of M. Lange, *Natural Laws in Scientific Practice*, in *Annals of the Japan Society for the Philosophy of Science* 12 (2003), 53-59

## Lectures and Conferences

### July 2004

- Heard, D. ‘Against an ontological analysis of emergence’, British Society for the Philosophy of Science Annual Conference

# Nick Hopwood

Nick Hopwood was Part II manager and chaired the monitoring committee, as well as directing studies in HPS at Corpus Christi College. He was principal applicant (with co-applicants John Forrester, Lauren Kassell, Jim Secord and Nick Jardine) for a Wellcome enhancement award in the history of medicine. This will provide funding for five years from October 2004 for studentships, research leave, a website, workshops and conferences, with the primary aim of developing expertise in the field 'From Generation to Reproduction' between 1550 and the present. Hopwood also joined the nominations committee of the International Society for the History, Philosophy and Social Studies of Biology.

## Publications

### Books

de Chadarevian, S. and Hopwood, N. (eds) (2004) *Models: The Third Dimension of Science*, Stanford University Press

### Articles in books

Hopwood, N. and de Chadarevian, S. (2004) 'Dimensions of modelling' in S. de Chadarevian and N. Hopwood (eds) *Models: The Third Dimension of Science*, Stanford University Press, 1-15

Hopwood, N. (2004) 'Plastic publishing in embryology' in S. de Chadarevian and N. Hopwood (eds) *Models: The Third Dimension of Science*, Stanford University Press, 170-206

### Reviews

Hopwood, N. Review of Andreas W. Daum, *Wissenschaftspopularisierung im 19. Jahrhundert. Bürgerliche Kultur, naturwissenschaftliche Bildung und die deutsche Öffentlichkeit, 1848–1914*, 2nd edn, in *Bulletin of the German Historical Institute London* 25 (2003), 111-114. Reprinted in *The British Journal for the History of Science* 37 (2004), 357-358

Hopwood, N. Review of Hervé Le Guyader, *Geoffroy Saint-Hilaire: A Visionary Naturalist*, in *Nature* 429 (2004), 18-19

Hopwood, N. Review of Brian K. Hall and Wendy Olson (eds) *Keywords and Concepts in Evolutionary Developmental Biology*, in *Journal of the History of Biology* 37 (2004), 406-408

## In Press

### Articles in books

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

## Lectures and Conferences

### December 2003

Hopwood, N. 'Development in rows and columns: Ernst Haeckel's comparative embryological plates', workshop on 'Muster. Die Wahrnehmung serieller Formen um 1900', Max Planck Institute for the History of Science, Berlin

### March 2004

Hopwood, N. 'Images of evolution and charges of fraud: Haeckel's embryos in Bismarck's Germany', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

Hopwood, N. 'Scientific illustrations in public debate and disciplinary struggle: embryos and evolution in Bismarckian Germany', Department of the History of Science, University of Wisconsin–Madison

### April 2004

Hopwood, N. 'Images of evolution and charges of fraud: Ernst Haeckel's embryological illustrations', Fishbein Center for the History of Science and Medicine, University of Chicago

# Annette Imhausen

## Publications

### Articles in books

Imhausen, A. (2004) 'Mathematical fragments: UC 32114, UC 32118, UC 32134, UC 32159, UC32162' in M. Collier and S. Quirke (eds) *The UCL Lahun Papyri*, Vol. 2, Archaeopress, Oxford, 71-96

### Articles in journals

Imhausen, A. 'Egyptian mathematical texts and their contexts', *Science in Context* 16(3) (2003), 367-389

## Lectures and Conferences

October 2003

Imhausen, A. 'Egyptian mathematics', invited lecture for Mathematics: History and Culture, University of Exeter

November 2003

Imhausen, A. 'Egyptian calculation techniques', workshop: Calculation Techniques in Ancient Egypt, China and Mesopotamia, Max Planck Institute for the History of Science, Berlin

July 2004

Imhausen, A. 'The historiography of Egyptian mathematics: past, present, future', 3rd British Society for the History of Mathematics/Canadian Society for the History and Philosophy of Mathematics Joint Meeting, Clare College, Cambridge

## Nick Jardine

Nick Jardine served as departmental Director of Graduate Studies and as a member of the Botanic Garden Syndicate. With Marina Frasca-Spada he has continued to edit *Studies in History and Philosophy of Science* and *Studies in History and Philosophy of Biological and Biomedical Sciences* with the help of the many members of the Department who are Assistant, Consulting and Advisory Editors. With Katherine Harlowe and Katie Eagleton he has organised the Latin Therapy Group, in which classicists, medievalists and early-modernists from HPS and allied Departments hone their Latinity on natural philosophical, medical, mathematical and technical texts. The British Academy has renewed its support for his project in collaboration with Alain Segonds (CNRS, Paris), 'Conflict and priority in early-modern astronomy'.

### Publications

#### Articles in books

Harloe, K., Jardine, N., Poole, W. and Tybjerg, K. (2004) 'Darkness visible: obscurity and openness in three mysterious instrument texts' in P. Boner and K. Eagleton (eds) *Instruments of Mystery*, Whipple Museum of the History of Science, 5-13

Harloe, K., Jardine, N. and Poole, W. 'Sending secret messages: Henry Reynolds' *Macrolaxis*' in P. Boner and K. Eagleton (eds) *Instruments of Mystery*, Whipple Museum of the History of Science, 42-65

#### Articles in journals

Jardine, N. 'Whigs and stories: Herbert Butterfield and the historiography of science', *History of Science* 41 (2003), 125-140

Jardine, N., Mosley, A. and Tybjerg, K. 'Epistolary culture, editorial practices, and Tycho Brahe's *Astronomical Letters*', *Journal for the History of Astronomy* 34 (2003), 421-451

### In Press

#### Articles in books

Jardine, N. 'Alexandre Koyré: the art of interpretation and the historiography of thought' in P.C. Kjaergaard (ed.) *Perspectives in the History of Ideas*, Aarhus University Press

Jardine, N. 'The many significances of Kepler's *Contra Ursum*' in D. Di Liscia (ed.) *Festschrift für Volker Bialis*, Algorismus, Munich

#### Articles in journals

Jardine, N. 'Etics and emics (not to mention anemics and emetics) in the history of the sciences', *History of Science*

## Richard C. Jennings

Richard Jennings continues to supervise in philosophy of science about half of the students doing HPS IB, and directs the studies of about a third of them. In addition to his HPS lectures on Ethics in Science, he runs workshops on Ethical and Legal Aspects of Research for the Graduate School of Biological, Medical and Veterinary Sciences. He also gives an introductory course of eight lectures on Professional Practice and Ethics to the first year Computer Science Tripos students, and examines this subject. 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. This year he was made a member of the BCS (MBCS). In July he taught History of Natural Philosophy to students on the University of California Education Abroad Programme, and in August he taught Ten Ideas Central to Western Science to students from Nihon University in Tokyo. Both courses included examining and marking.

## Publications

### Reviews

- Jennings, R.C. 'Ethics and human genetics – a resource', review of Human Genetics Alert, *Why Should I be Concerned About Human Genetics?* in *Scientists for Global Responsibility Newsletter* 28 (2003), 18
- Jennings, R.C. Review of Nuffield Council on Bioethics, *The Use of Genetically Modified Crops in Developing Countries: A Follow-Up Discussion Paper*, in *Scientists for Global Responsibility Newsletter* 29 (2004), 17-18
- Jennings, R.C. Review of BUAV, *Designer Mice: A BUAV Special Report into the Use of Mice in Genetic Experiments*, in *Scientists for Global Responsibility Newsletter* 29 (2004), 21

## In Press

### Articles in journals

- Jennings, R.C. 'Science, truth and ethics', *Scientists for Global Responsibility Newsletter*
- Jennings, R.C. 'Data selection and responsible conduct: was Millikan a fraud?', *Science and Engineering Ethics*

### Reviews

- Jennings, R.C. Review of Friedrich Stadler, *The Vienna Circle: Studies in the Origins, Development, and Influence of Logical Empiricism*, in *History of Philosophy of Science Newsletter*
- Jennings, R.C. Review of Animal Procedures Committee, *Review of Cost-Benefit Assessment in the Use of Animals in Research*, in *Scientists for Global Responsibility Newsletter*
- Jennings, R.C. Review of Food Ethics Council, *Engineering Nutrition: GM crops for global justice?* in *Scientists for Global Responsibility Newsletter*

## Lectures and Conferences

### January 2004

- Jennings, R.C. 'Professional organisations and political actions – is there an ethical issue?', Ethics Expert Panel of the British Computer Society

### February 2004

- Jennings, R.C. 'Science, animals and ethics', Pembroke College Stokes Society

# Stephen John

## Publications

### Reviews

- John, S.D. 'Titanic ethics, pirate ethics, bioethics', review of E. Paul, F. Miller and J. Paul (eds) *Bioethics*, in *Studies in History and Philosophy of Biological and Biomedical Sciences* 35 (2004) 177-184

# Peter Jones

Until June 2003 Peter Jones was Beinecke-Whitney Fellow at Yale University. He completed a survey of scientific and medical writings in Latin pre-1500, based on manuscripts held at the Beinecke Library and the Cushing/Whitney Medical Library at Yale. In April 2004 he organised an international colloquium on 'The Art of Medicine: image-making and communication' at Yale, and curated an exhibition of illuminated manuscripts of medicine at the Beinecke Library (website: [www.artofmedicine.yale.edu](http://www.artofmedicine.yale.edu)).

## In Press

### Articles in books

- Jones, P.M. (2004) 'Picturing medicine in the age of Petrarch' in T. Pesenti and V.Fera (eds) *Petrarca e la Medicina. Atti del Convegno di studi, Capo d'Orlando, 27-28 giugno 2003, Messina*, Centro Interdipartimentale di Studi Umanistici
- Jones, P.M. (2004) 'Word and image in medieval medicine' in J. Givens, K. Reeds and A. Touwaide (eds) *Visualizing Medieval Medicine and Natural History, 1200-1550*, Ashgate
- Jones, P.M. (2005) 'Herbs and the medieval surgeon' in P. Dendle and A. Touwaide (eds) *Health and Healing in the Medieval Garden*, Boydell & Brewer

## Lectures and Conferences

*October 2003*

Jones, P.M. 'Picturing medicine in the age of Petrarch', Early Medicine and Natural Philosophy Seminar, Department of History and Philosophy of Science, University of Cambridge

*November 2003*

Jones, P.M. 'Sloane and medical bibliography', Sir Hans Sloane (1660-1753) and his Library, Study Day at the British Library, London

*April 2004*

Jones, P.M. 'Printing surgery in the Renaissance', Renaissance Society of America, New York

Jones, P.M. 'Picturing the patient in pre-modern case histories', The Art of Medicine: image-making and communication, Yale University

Jones, P.M. 'The probate jurisdiction of King's College, Cambridge', Cambridge University Heraldic and Genealogical Society

*July 2004*

Jones, P.M. 'Alchemical routes to health from late medieval Cambridge', International Medieval Congress, Leeds

## Lauren Kassell

Lauren Kassell spent this academic year in Princeton as a Member of the School of Historical Studies at the Institute for Advanced Study.

### In Press

#### Books

Kassell, L. *Medicine and Magic in Elizabethan London: Simon Forman, Astrologer, Alchemist, and Physician*, Oxford University Press

#### Articles in books

Kassell, L. 'The economy of magic in Early Modern England' in M. Pelling and S. Mandelbrote (eds) *Science, Medicine and Reform 1500-2000*, Ashgate

#### Reviews

Kassell, L. 'An alchemist and his notebooks?', extended review of W. Newman and L. Principe, *Alchemy Tried in the Fire: Starkey, Boyle, and the Fate of Helmontian Chymistry*, in *Studies in the History and Philosophy of Biological and Biomedical Sciences*

## Lectures and Conferences

*April 2004*

Kassell, L. "'Secrets Reveal'd": alchemical books in Restoration London', session on 'Secrecy and Disclosure', Annual Meeting of the Renaissance Society of America, New York

*May 2004*

Kassell, L. "'Secrets Reveal'd": alchemical books in Restoration London', joint meeting of the British Studies and History of Science Seminars, Princeton University

## Martin Kusch

Martin Kusch acted as MPhil manager. He served as Advisory Editor for *Studies in the History and Philosophy of Science*, as Consulting Editor of *Episteme*, and on the *Beirat* of an international project on voluntary action, organised by the Max-Planck Institute for Psychological Research in Munich. He continued working on a book defending Kripke's interpretation of Wittgenstein, and began work on science policy.

### Publications

#### Books

Kusch, M. (2004) *Knowledge by Agreement: The Programme of Communitarian Epistemology*, Oxford University Press (paperback edition)

### **Articles in books**

Kusch, M. (2003) 'Explanation and understanding: the debate over von Wright's philosophy of action revisited' in L. Haaparanta and I. Niiniluoto (eds) *Analytic Philosophy in Finland (Poznan Studies in the Philosophy of the Sciences and the Humanities, vol. 80)*, Rodopi, Amsterdam, New York, 327-353

### **In Press**

#### **Articles in books**

Kusch, M. (2004) 'Hintikka on Heidegger and truth' in L. Hahn (ed.) *Jaakko Hintikka* (Library of Living Philosophers)

Kusch, M. (2004) 'Barnes on freedom of the will' in M. Mazzotti (ed.) *Festschrift for Barry Barnes*

#### **Articles in journals**

Kusch, M. (2004) 'Rule-scepticism and the sociology of scientific knowledge', *Social Studies of Science*

Kusch, M. (2004) 'Reply to my critics', *Social Studies of Science*

Kusch, M. (2004) 'How minds and selves are made: some conceptual preliminaries', *Interactions*, special number on 'Making Mind'

Kusch, M. (2004) 'Beliefs, kinds and rules: a comment on Kornblith', *Philosophy and Phenomenological Research*

### **Lectures and Conferences**

#### *January 2004*

Kusch, M. 'How minds and selves are made: some conceptual preliminaries', 'Making Minds' Conference, organised by the Max-Planck Institute for Psychological Research, Munich

Kusch, M. 'Semantische Dispositionen', Department of Philosophy, University of Konstanz

#### *February 2004*

Kusch, M. 'Communitarian epistemology: the case of testimony', School of Social Sciences, University of Cardiff

#### *April 2004*

Kusch, M. 'Rule-scepticism and the sociology of knowledge', Department of Philosophy, University of Jyväskylä

Kusch, M. 'The Wright solution to the rule-following paradox', Department of Philosophy, University of Jyväskylä

Kusch, M. 'Semantic dispositionalism', Department of Philosophy, University of Jyväskylä

#### *May 2004*

Kusch, M. 'Testimony revisited', STS Graduiertenkolleg, University of Bielefeld.

Kusch, M. 'Rule-scepticism and the sociology of knowledge', STS Graduiertenkolleg, University of Bielefeld

## **John Latsis**

John Latsis is a fourth year PhD candidate. He submitted his thesis on 25 August 2004.

### **Publications**

#### **Articles in books**

Latsis, J., Lindqvist, T., Moore, E. and Kyu Sang Lee (2004) 'An asset market experiment' in D. Friedman and A. Cassar (eds) *Economics Lab: An Intensive Course in Experimental Economics*, Routledge, 173-178

### **In Press**

#### **Articles in journals**

Latsis, J. 'Is there redemption for conventions?', *Cambridge Journal of Economics*

### **Lectures and Conferences**

#### *August 2004*

Latsis, J. 'Quine and critical realism', IACR 2004 Conference, University of Cambridge

# Tim Lewens

Tim Lewens remains a Lecturer in the HPS Department, and a Fellow of Clare College, where he has also been Director of Studies in Philosophy for 2003-4. With Helen Macdonald, he is Book Reviews Editor of *Studies in History and Philosophy of Biological and Biomedical Sciences*. He continues to organise and to chair the Cambridge Bioethics Forum, and he has recently accepted an invitation to write a philosophical book about Darwin in the new series *The Routledge Philosophers*. In 2003-4 he collaborated with Katherine Angel and Stephen John on a project funded by Pfizer Global Research and Development entitled *The Philosophy of Risk*.

## Publications

### Books

Lewens, T. (2004) *Organisms and Artifacts: Design in Nature and Elsewhere*, Bradford Books: Life and Mind Series, MIT Press

### Guest editor

Lewens, T. (2004) *The Ethics of Bioethics*, special section of *Studies in History and Philosophy of Biological and Biomedical Sciences* 35

### Articles in journals

Lewens, T. 'What is Genethics?' (critical notice of Harris and Burley (eds) *The Blackwell Companion to Genethics*), *Journal of Medical Ethics* 30 (2004), 326-328

Lewens, T. 'Sometimes safe and sorry' (critical notice of Burgess, *Cellular Phones, Public Fears, and a Culture of Precaution*), *Lancet* 363 (2004), 1405-1406

Lewens, T. 'Is something wrong with bioethics?', *Studies in History and Philosophy of Biological and Biomedical Sciences* 35 (2004), 121-124

Lewens, T. 'The commercial exploitation of ethics', *Studies in History and Philosophy of Biological and Biomedical Sciences* 35 (2004), 145-154

Lewens, T. and McMillan, J. 'Defining disease', *The Lancet* 363 (2004), 664

Lewens, T. 'Prospects for evolutionary policy', *Philosophy* 78 (2003), 483-502

### Reports

Lewens, T., John, S., and Angel, K. (2004) *Disease, Trust and Risk: Philosophy in Healthcare Technology*, report for Pfizer Global Research and Development

### Review

Lewens, T. Review of J. Dupré, *Humans and Other Animals*, in *Mind* 113 (2004), 175-177

## In Press

### Articles in books

Lewens, T. 'Adaptation' in M. Ruse and D. Hull (eds) *The Cambridge Companion to the Philosophy of Biology*, Cambridge University Press

Lewens, T. 'The problem of biological design' in A. O'Hear (ed.) *Philosophy, Biology and Life*, Cambridge University Press

Lewens, T. 'Seven types of adaptationism' in D.M. Walsh (ed.) *Twenty-Five Years of Spandrels*, Oxford University Press

### Articles in journals

Lewens, T. 'Realism and the Strong Programme', *British Journal for the Philosophy of Science*

Lewens, T. 'Realism and the Strong Programme' (Chinese translation), *Science and Culture Review*

Lewens, T. 'What is Darwinian Naturalism?' (critical notice of J. Hodge and G. Radick (eds) *The Cambridge Companion to Darwin*), *Biology and Philosophy*

## Lectures and Conferences

### February 2004

Lewens, T. 'The problem of biological design', Royal Institute of Philosophy, London

### March 2004

Lewens, T. 'Design in nature', Discovery Series, University of Cambridge

Lewens, T. 'Reply to Cass Sunstein', Risk Workshop, University of Cambridge



April 2004

- Lewens, T. 'Scientific realism and the sociology of knowledge', Centre for the Philosophy of Science and Technology, Shanxi University, China
- Lewens, T. 'The problem of biological design', Centre for the Philosophy of Science and Technology, Shanxi University, China
- Lewens, T. 'Biological functions', Centre for the Philosophy of Science and Technology, Shanxi University, China
- Lewens, T. 'Technological evolution' Centre for the Philosophy of Science and Technology, Shanxi University, China
- Lewens, T. 'The precautionary principle', Centre for the Philosophy of Science and Technology, Shanxi University, China
- Lewens, T. 'The rise of genetics', Centre for History of Medicine, Peking University, China
- Lewens, T. 'Scientific realism and the sociology of knowledge', Center for Science and Society, Peking University, China
- Lewens, T. 'Technological evolution', Institute of History of Natural Sciences, Beijing, China
- Lewens, T. 'Scientific realism and the sociology of knowledge', Department of Philosophy, Qinghua University, Beijing, China

June 2004

- Lewens, T. 'Disease and risk: a philosophical perspective', Pfizer Global Research and Development, Sandwich

## Peter Lipton

Peter Lipton remained Head of the Department, although he was on leave for Michaelmas 2003. He served as Advisory Editor for *Studies in the History and Philosophy of Science*, and on the Editorial Board of *The British Journal for the Philosophy of Science* and the *Ashgate New Critical Thinking in Philosophy* series. He gave the Medawar Prize Lecture at the Royal Society in London and at the University of Bristol, one of the Darwin Lectures on Evidence in Cambridge, and he has been a member of the Nuffield Council on Bioethics and the Nominating Committee of the Philosophy of Science Association. Somewhat to his surprise, Professor Lipton also appeared on several BBC Radio 4 programmes – *The Material World*, *The Moral Maze* and the *Today* programme.

### Publications

#### Books

- Lipton, P. (2004) *Inference to the Best Explanation*, second edition, Routledge

#### Articles in books

- Lipton, P. (2004) 'What good is an explanation?', in J. Cornwell (ed.) *Understanding Explanation*, Oxford University Press
- Lipton, P. (2002) 'Philosophy of science' in S. Priest and A. Flew, *A Dictionary of Philosophy*, third edition, Pan Books

#### Articles in journals

- Lipton, P. 'Kant on wheels', *Social Epistemology* 17 (2003), 215-219

#### Reviews

- Lipton, P. Review of P. Clark and K. Hawley (eds) *Philosophy of Science Today*, in *Notre Dame Philosophical Reviews*, 2004.01.07

### In Press

#### Articles in books

- Lipton, P. 'Abduction' in S. Sarkar (ed.) *The Philosophy of Science: An Encyclopaedia*, Routledge
- Lipton, P. 'Accepting contradictions' in R. Young and P. Clark (eds) *Van Fraassen's Philosophy of Science*, Mind Association
- Lipton, P. 'Waiting for Hume' in M. Frasca-Spada and P. Kail (eds) *Impressions of Hume*, Oxford University Press
- Lipton, P. 'Genetic and generic determinism: a new threat to free will?' in D. Rees and S. Rose (eds) *Perils and Prospects of the New Brain Science*, Cambridge University Press
- Lipton, P. 'Inference to the best explanation' in D. Borchert (ed.) *Encyclopaedia of Philosophy*, Macmillan
- Lipton, P. 'Science, religion and belief' in M. Scott and A. Moore (eds) *Realism and Religion: Philosophical and Theological Perspectives*, Ashgate
- Lipton, P. 'Evidence and explanation' in K. Tyjberg et al (eds) *Evidence*, Cambridge University Press

### **Articles in journals**

- Lipton, P. 'Epistemic options', *Philosophical Studies*  
Lipton, P. 'The truth about science', *Philosophical Transactions B*  
Lipton, P. 'Prediction and prejudice', *Science*

### **Lectures and Conferences**

#### *October 2003*

- Lipton, P. 'Bayesian abduction', Popper Seminar, London School of Economics  
Lipton, P. 'The ravens revisited', Faculty of Philosophy, University of Oxford  
Lipton, P. 'Prediction and prejudice', Cambridge Discovery Talk  
Lipton, P. 'The ethics of pharmacogenetics', Cambridge Bioethics Forum  
Lipton, P. 'Religion and science', Jewish Society, University of Cambridge  
Lipton, P. 'Cambridge interviews', AJ6, London

#### *November 2003*

- Lipton, P. 'Hearsay', Royal Institute of Philosophy, Birmingham

#### *December 2003*

- Lipton, P. 'Contrastive explanation revisited', Department of Philosophy, University of Lund  
Lipton, P. 'Evidence and explanation', Philosophical Society, University of Lund

#### *February 2004*

- Lipton, P. 'Evidence and explanation', Darwin Lecture, University of Cambridge  
Lipton, P. 'The ravens revisited', Moral Sciences Club, University of Cambridge  
Lipton, P. 'The ethics of pharmacogenetics', Conference on Regulatory and Scientific Perspectives on Pharmacogenetics, London  
Lipton, P. 'Justify yourself', Amoral Sciences Club, University of Cambridge

#### *May 2004*

- Lipton, P. 'Science and religion: conflict or coexistence?', The Popper Debate, London School of Economics  
Lipton, P. 'The two educational cultures', Wesleyan University Alumni Association, London

#### *June 2004*

- Lipton, P. 'The truth about science', Medawar Lecture, Royal Society  
Lipton, P. 'Maimonides and the astrologers', Conference on Maimonides: The Man and his Image, University College London  
Lipton, P. 'The ethics of cloning', Newnham College, Cambridge

#### *July 2004*

- Lipton, P. 'Does the truth matter?', Plenary Lecture, International Summer School & Science Summer School, University of Cambridge  
Lipton, P. 'The truth about science', University of Groningen Summer Academy, Cambridge  
Lipton, P. 'Branson on laws of nature', National Postgraduate Analytic Philosophy Conference, Cambridge

#### *September 2004*

- Lipton, P. 'The truth about science', Medawar Lecture, University of Bristol  
Lipton, P. 'The ethics of pharmacogenetics', MHRA, London

## **Geoffrey Lloyd**

Geoffrey Lloyd received an Honorary Doctorate from the University of Athens in November 2003.

### **Publications**

#### **Books**

- Lloyd, G.E.R. (2003) *La Curiosità nei mondi antichi* (trans. of *The Ambitions of Curiosity*), Donzelli, Rome  
Lloyd, G.E.R. (2004) *Ancient Worlds, Modern Reflections: Philosophical Perspectives on Greek and Chinese Science and Culture*, Oxford University Press

#### **Articles in books**

- Lloyd, G.E.R. (2004) 'A questionabilidade da crença' in F. Gil, P. Livet, and J. Pina Cabral (eds) *O Processo de Crença*, Gradiva, Lisbon, 11-28

### **Articles in journals**

Lloyd, G.E.R. 'Universities: their histories and responsibilities', *Bulletin of the Office of Educational Network, Sendai* 3 (2003), 26-37

### **Reviews**

Lloyd, G.E.R. Review of J.M. Redfield, *The Locrian Maidens*, in *Times Literary Supplement* 5272 (16 April 2004) 9

### **Edited volumes**

Brunschwig, J. and Lloyd, G.E.R. (2003) *The Greek Pursuit of Knowledge*, Harvard

Brunschwig, J. and Lloyd, G.E.R. (2003) *A Guide to Greek Thought: Major Figures and Trends*, Harvard

## **Lectures and Conferences**

### *October 2003*

Lloyd, G.E.R. 'New issues in the history of science', Emory, Atlanta

### *November 2003*

Lloyd, G.E.R. 'Galen: mathematics as a model of method', Keeling Colloquium, University College, London

Lloyd, G.E.R. 'Style for history of science', Athens, Greece

### *March 2004*

Lloyd, G.E.R. 'Models for living in Ancient Greece and China', Hellenic Center, Washington, D.C.

### *April 2004*

Lloyd, G.E.R. 'La historia a favor de la filosofía de la ciencia', Universidad Nacional de Educación a Distancia, Madrid

### *June 2004*

Lloyd, G.E.R. 'The mathematisation of physics in comparative perspective: ancient Greece and China', Leiden

Lloyd, G.E.R. 'Anatomy between medicine and philosophy', First European Meeting of the Society for Ancient Medicine, Birmingham

### *July 2004*

Lloyd, G.E.R. 'The aims and functions of medical case-histories in cross-cultural perspective: Greece, Egypt, China', 'The analogies of the body', 'The measurement of the Earth and the Sun' and 'The investigation of the circle/circumference ratio and Greek and Chinese mathematical methods', four seminars at the Central European University, Budapest

### *September 2004*

Lloyd, G.E.R. 'Diogenes of Apollonia: Master of Ducts', Pisa

## **Scott Mandelbrote**

Scott Mandelbrote continues to lecture for the Natural and Moral Philosophies paper for Part II. He is a Fellow and Director of Studies in History at Peterhouse, where he is also Tutor for Undergraduate Admissions. He is a Newton Trust Lecturer in the Faculty of History. During the academic year 2003-4, he was also a Visiting Scholar at the Max-Planck-Institut für Wissenschaftsgeschichte in Berlin.

## **Publications**

### **Edited book**

Mandelbrote, S. (ed.) (2004) *Newton and Newtonianism*, special issue (September) of *Studies in History and Philosophy of Science*

### **Articles in books**

Mandelbrote, S. (2004) 'The authority of the word: manuscript, print and the text of the Bible in seventeenth-century England' in J. Crick and A. Walsham (eds) *The Uses of Script and Print*, Cambridge University Press, 135-153

Mandelbrote, S. (2004) 'Eighteenth-century reactions to Newton's anti-trinitarianism' in J.E. Force and S. Hutton (eds) *Newton and Newtonianism*, Kluwer Academic Publishers, Dordrecht, 93-111

Mandelbrote, S. (2004) entries for 'Richard Arnald', 'John Beaumont', 'Arthur Bedford', 'George Bingham', 'Thomas Burnet', 'Robert Clavering', 'Gilbert Clerke', 'Christopher Codrington', 'Nicolas Fatio de Duillier', 'Richard Fowns', 'Joseph Greenhill', 'Zachary Grey', 'Benjamin Holloway', 'John Hutchinson', 'John Lewis', 'Robert Lowth', 'William Lowth', 'Robert Moor', 'Robert Morison', 'James Neale', 'Samuel Norton', 'Andrew Michael Ramsay', 'John Ray', 'James Sherard', 'Thomas Stackhouse' and 'William Yworth' in *The New Oxford Dictionary of National Biography*, Oxford University Press

### **Articles in journals**

- Mandelbrote, S. 'Writing the history of the English Bible in the early eighteenth century', *Studies in Church History* 38 (2004), 268-278
- Mandelbrote, S. 'A mind-body problem: on *Cambridge Scientific Minds*', *Comparative Criticism* 25 (2004), 249-254
- Mandelbrote, S. 'Newton and Newtonianism: an introduction', *Studies in History and Philosophy of Science* 35 (2004)

### **Reviews**

- Mandelbrote, S. Review of William T. Lynch, *Solomon's Child: Method in the Early Royal Society of London*, in *American Historical Review* 108 (2003), 1213-1214
- Mandelbrote, S. Review of Richard S. Brooks and David K. Himrod, *Science and Religion in the English Speaking World, 1600-1727*, in *Journal of Theological Studies* NS 54 (2003), 216-217
- Mandelbrote, S. Review of Michael Hunter, *Robert Boyle: Scrupulosity and Science*, in *English Historical Review* 118 (2003), 1058-1059
- Mandelbrote, S. Review of Geoffrey Sill, *The Cure of the Passions and the Origins of the English Novel*, in *Isis* 94 (2003), 732-733
- Mandelbrote, S. Review of Philip C. Almond, *Adam and Eve in the Seventeenth Century*, in *English Historical Review* 119 (2004), 209-210
- Mandelbrote, S. Review of Owen Gingerich, *An Annotated Census of Copernicus' De Revolutionibus*, in *Papers of the Bibliographical Society of America* 98 (2004), 378-383

### **Lectures and Conferences**

#### *October 2003*

- Mandelbrote, S. 'John Wallis's Oxford', British Society for the History of Mathematics conference on John Wallis, Oxford

#### *November 2003*

- Mandelbrote, S. 'Isaac Newton and the religion of Noah', conference on Noah's Flood, Herzog August Bibliothek, Wolfenbüttel

- Mandelbrote, S. 'The reception of Newton's theology', AHRB seminar on the reception of British authors in Europe, Cambridge

#### *February 2004*

- Mandelbrote, S. 'The impact of Codex Alexandrinus', seminar in the Faculty of Divinity, University of Cambridge

#### *March 2004*

- Mandelbrote, S. 'The heterodox career of Nicolas Fatio de Duillier', Abteilung II Kolloquium, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

#### *May 2004*

- Mandelbrote, S. 'Bossuet's attitude to the Bible', Colloque Bossuet, Université de Metz, Metz

- Mandelbrote, S. 'The study of the Septuagint in early modern Europe', The Grinfield Lectures for 2003-4, University of Oxford

#### *August 2004*

- Mandelbrote, Scott 'Isaac Newton's writings from manuscript to print', HSS/BSHS/CSHPS Conference, Halifax, Nova Scotia

## **Neil C. Manson**

I have been in the second year of a three-year research fellowship at King's College, working with Professor Onora O'Neill (Newnham College, Cambridge) on a Wellcome Trust research project: 'Informed Consent and Genetic Data'. The project focuses on a number of philosophical problems that arise with regard to a cluster of ethical and regulatory issues that are of considerable contemporary concern, including: informed consent; accountability and trust; freedom of information; data protection; transparency; the nature and proper use of genetic information. Although these topics have received a great deal of discussion, we believe that much of that discussion rests upon unjustified assumptions about the nature of information and communication and about the norms that govern good communicative practice. Our work seeks to establish a firmer, more coherent foundation for critical thinking about the ethical and regulatory issues that arise in these areas. We have run three one-day workshops at King's on 'Testimony, Trust and Action'; 'Informed Consent'; and 'Epistemic Responsibility', and I am currently writing up some papers on informed consent, genetic information, and upon the links between epistemology and good communicative practice.

## Publications

### Articles in books

Manson, N.C. (2003) 'Consciousness' in B. Smith (ed.) *John Searle*, Cambridge University Press, 128-153

### Articles in journals

Manson, N.C. 'Reason explanation: a first-order normative account', *Philosophical Explorations* 7 (2004), 113-130

Manson, N.C. 'Brains, vats and neurally-controlled animats', *Studies in History and Philosophy of Science* 35 (2004), 249-268

## In Press

### Articles in books

Manson, N.C. (2005) 'Contemporary naturalism and the concept of consciousness' in S. Heinämaa and P. Remes (eds) *History of Philosophy of Consciousness*

### Articles in journals

Manson, N.C. 'Reference, consciousness, and the conscious/unconscious contrast', *Philosophical Studies* book symposium on J. Campbell's *Reference and Consciousness* (2004)

Manson, N.C. 'Presenting behavioural genetics: spin, ideology and our narrative interests', *Journal of Medical Ethics* (2004) (prepublication version available at <http://jme.bmjournals.com/misc/ecurrent.shtml>)

## Lectures and Conferences

### September 2003

Manson, N.C. 'Informed consent, trust, and the flow of information', Bioethics workshop, Centre for Professional Ethics, Keele University

### October 2003

Manson, N.C. 'What is genetic information and why is it significant?', Cambridge Bioethics Forum, University of Cambridge

### November 2003

Manson, N.C. 'What is genetic information?', Departmental Seminar, Department of Chemistry, University of Cambridge

### January 2004

Manson, N.C. 'Freud, folk psychology, and mental order', Departmental Seminar, Heythrop College, University of London

### February 2004

Manson, N.C. 'Informed consent and the obligation to inform', ELSI workshop, Caius College, Cambridge

### March 2004

Manson, N.C. 'What is genetic information and why is it significant?', Genomics and Society Conference, Centre for Economic and Social Aspects of Genomics (CESAGen) conference, London

Manson, N.C. 'Informed consent, autonomy and the withholding of information', workshop on informed consent, King's College, Cambridge

### May 2004

Manson, N.C. 'Trust, accountability and epistemic agency', Public Trust and Private Interest, Society for Applied Philosophy Conference, Manchester

Manson, N.C., 'Informed consent and the obligation to inform', workshop on epistemic responsibility, King's College, Cambridge

## Stephen Mason

### Publication

Mason, S. 'Religious reform and the pulmonary transit of the blood', *History of Science* xli (2003), 459-471

### In Preparation

A rewriting of Mason, S.F., *A History of the Sciences, Main Currents of Scientific Thought* (Routledge and Kegan Paul, 1953; Collier pbk, 1962), in the light of advances in HPS over the past half-century, as *The Origins of Natural Science: From Ancient Mesopotamia to Early Modern Europe*

# Michela Massimi

Michela Massimi is a Junior Research Fellow at Girton College. She is also a Research Associate at the Centre for Philosophy of Natural and Social Sciences (CPNSS) at the London School of Economics.

## Publications

### Articles in journals

Massimi, M. and Redhead, M. 'Weinberg's proof of the Spin-Statistics theorem', *Studies in History and Philosophy of Modern Physics* 34 (2003), 621-650

Massimi, M. 'Non-defensible middle ground for experimental realism: why we are justified to believe in colored quarks', *Philosophy of Science* 71 (2004), 36-60

Massimi, M. 'What demonstrative induction can do against the threat of underdetermination: Bohr, Heisenberg, and Pauli on spectroscopic anomalies (1921-24)', *Synthese* 140 (2004), 243-277

## In Press

### Books

Massimi, M. (2005) *Pauli's Exclusion Principle: The Origin and Validation of a Scientific Principle*, Cambridge University Press

### Reviews

Massimi, M. Review of P. Pesic, *Seeing Double: Shared Identities in Physics, Philosophy, and Literature*, in *Metascience*

## Lectures and Conferences

### February 2004

Massimi, M. 'Reconsidering Kuhnian incommensurability', Department of History and Philosophy of Science, University of Cambridge

### March 2004

Massimi, M. 'On the need of saving unobservable phenomena', Department of History and Philosophy of Science, University of Leeds

### May 2004

Massimi, M. 'On Kuhn's notion of incommensurability: the myth of untranslatability between lexicons', Social Property Colloquium 2004, CRASSH (Centre for Research in Arts, Social Sciences, Humanities), University of Cambridge

### June 2004

Massimi, M. 'Il concetto di verità tra meccanica quantistica e filosofia della scienza', conference on La verità nelle scienze e nella filosofia, Department of Philosophy, University of Pavia, Italy

# John McMillan

John McMillan is leaving the department in September 2004. He has accepted a post as Senior Lecturer at the Hull/York Medical School and the philosophy department, University of Hull. He is an associate editor of *The Journal of Medical Ethics* and on the executive committee of the *Society for Applied Philosophy*. He is an Associate Fellow of the Oxford Centre for Ethics and Communication in Health Care, University of Oxford.

## Publications

### Articles in journals

McMillan, J. and Conlon C. 'Developing world research and the Nuffield Council's Report', *The Journal of Medical Ethics* (April 2004), 204-206

McMillan, J. and Hope, T. 'The morning after the morning-after pill', *The Lancet* 363 (April 2004)

McMillan, J. 'Is corporate money bad for bioethics?', *Studies in History and Philosophy of Biological and Biomedical Sciences* 35 (2004), 167-175

Lewens, T. and McMillan, J. 'Defining disease', *The Lancet* 363 (2004), 664

Hope, T. and McMillan, J. 'Challenge studies of human volunteers: ethical issues', *The Journal of Medical Ethics* 30 (2004), 110-116

McMillan, J. 'NICE, the draft Fertility Guideline and dodging the big question', *The Journal of Medical Ethics* 29 (2003), 313-314

McMillan, J. 'Dangerousness, mental disorder and responsibility', *The Journal of Medical Ethics* 29 (2003), 232-235

## **In Press**

### **Articles in books**

McMillan, J. 'Identity, self and dementia' in Julian C. Hughes, Stephen J. Louw and Steven R. Sabat (eds) *Dementia: Mind, Meaning and the Person*, Oxford University Press

# James Moore

Dr Moore has accepted an appointment as Visiting Professor of the History of Science at Harvard University for the spring term, January to May 2005.

## **Publications**

### **Articles in books**

Moore, J. (2004) 'The fortunes of eugenics' in D. Brunton (ed.) *Medicine Transformed: Health, Disease and Society in Europe, 1800-1939*, Routledge

Moore, J. and Desmond, A. (2004) 'Introduction' in Charles Darwin, *The Descent of Man, and Selection in Relation to Sex*, 2nd ed. reprint, Penguin Classics

## **In Press**

### **Articles in books**

Moore, J., Desmond, A. and Browne, J. (2004) 'Darwin, Charles Robert' in C. Matthews and B. Harrison (eds) *The Oxford Dictionary of National Biography*, Oxford University Press

Moore, J. (2005) 'Religion and science' in D.C. Lindberg and R.L. Numbers (eds) *The Cambridge History of Science*, vol. 6 of P.J. Bowler and J.V. Pickstone (eds) *Modern Biological and Earth Sciences*, Cambridge University Press

Moore, J. (2005) 'Revolution of the space-invaders: Darwin and Wallace on the geography of life' in D.N. Livingstone and C.W.J. Withers (eds) *Geography and Revolution*, University of Chicago Press

Moore, J. (2005) 'R.A. Fisher: A Faith Fit for Eugenics' in Nicolaas Rupke (ed.) *The Religion of Eminent Twentieth-Century Scientists*, Vandenhoeck and Ruprecht

## **Lectures and Conferences**

### *December 2003*

Transformism, Evolutionism and Creationism, 19th-20th Centuries, sponsored by the French Ministry of Foreign Affairs (Fond D'Alembert), Wellcome Trust Centre for the History of Medicine at University College London

### *March 2004*

National Institute of Science and Technology Policy (NISTEP), Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan tour

(with Randal Keynes) The Road to the Origin: An International Symposium on Darwin, Graduate School of Letters, 21st Century Center of Excellence Program – Plurality in Science, Technology, Art (PaSTA), Kyoto University

(with Randal Keynes) Enjoying Science through Darwin, NISTEP Science Lecture, National Museum of Emerging Science and Innovation, Tokyo

968th Biological Symposium, National Institute of Genetics, Mishima (Japan)

Department of Life and Cognitive Science, with Study Group on Evolution of Human Behaviour, Tokyo University (Komaba)

Joint Study Group on the American Creation-Evolution Conflict, Department of English Communication, Bunkyo Gakuin University, Tokyo

# Ayesha Nathoo

## Lectures and Conferences

January 2004

Nathoo, A. 'Negotiating the transplantable heart in Britain', BSHS Postgraduate Conference, Manchester

February 2004

Nathoo, A. "'The most extraordinary programme ever shown on television": transplant surgeons, cardiac patients, and *Tomorrow's World* in 1968', Seminar Series Surgery, Physic and Culture, Wellcome Unit for the History of Medicine, Oxford

Nathoo, A. 'Hospital-media relations in the first British heart transplant (May 1968)', History of Modern Medicine and Biology Seminar, Department of History and Philosophy of Science, University of Cambridge

September 2004

Nathoo, A. 'Negotiating the transplantable heart in Britain', workshop Mediating Biomedicine: Engaging, Resisting, Negotiating, Centre for the History of Science, Technology and Medicine & Wellcome Unit for the History of Medicine, Manchester

# Richard Noakes

Richard Noakes has recently been awarded a two-year renewal of his British Academy-Royal Society Postdoctoral Fellowship in the History of Science, beginning on 1 February 2005. In December he appeared on an episode of the BBC Radio 4 series *The Long Search*, which examined changing religious experiences in Britain since the early modern period.

## Publications

### Books

Cantor, G., Dawson, G., Gooday, G., Noakes, R., Shuttleworth, S. and Topham, J. (eds) (2004) *Science in the Nineteenth-Century Periodical: Reading the Magazine of Nature*, Cambridge University Press

Henson, L., Cantor, G., Dawson, G., Shuttleworth, S. and Topham, J. (eds) (2004) *Culture and Science in the Nineteenth-Century Media*, Ashgate

Knox, K. and Noakes, R. (eds) (2003) *From Newton to Hawking: A History of Cambridge University's Lucasian Professors of Mathematics*, Cambridge University Press

### Articles in books

Noakes, R. (2004) 'Punch and mid-Victorian comic journalism' in G. Cantor, G. Dawson, G. Gooday, R. Noakes, S. Shuttleworth, and J. Topham (eds) *Science in the Nineteenth-Century Periodical: Reading the Magazine of Nature*, Cambridge University Press, 91-122

Noakes, R. (2004) 'The *Boy's Own Paper* and late-Victorian juvenile periodicals' in G. Cantor, G. Dawson, G. Gooday, R. Noakes, S. Shuttleworth and J. Topham (eds) *Science in the Nineteenth-Century Periodical: Reading the Magazine of Nature*, Cambridge University Press, 151-171

Noakes, R. (2004) 'Natural causes? Spiritualism, science, and the Victorian supernatural' in N. Bown, C. Burdett and P. Thurschwell (eds) *The Victorian Supernatural*, Cambridge University Press, 23-43

Noakes, R. (2004) 'William Fletcher Barrett' in B. Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists*, 4 vols, Thoemmes Continuum, volume 1, 121-122

Noakes, R. (2004) 'William Crookes' in B. Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists*, 4 vols, Thoemmes Continuum, volume 1, 502-506

Noakes, R. (2004) 'William Henry Harrison' in B. Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists*, 4 vols, Thoemmes Continuum, volume 2, 909-910

Noakes, R. (2004) 'Balfour Stewart' in B. Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists*, 4 vols, Thoemmes Continuum, volume 4, 1909-1913

Noakes, R. (2004) 'Cromwell Fleetwood Varley' in B. Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists*, 4 vols, Thoemmes Continuum, volume 4, 2066-2067

### Reviews

Noakes, R. Review of R. Luckhurst, *The Invention of Telepathy, 1870-1901*, in *British Journal for the History of Science* 37 (2004), 110-112



## In Press

### Articles in journals

Noakes, R. “‘The bridge which is between physical and psychical research’: William Fletcher Barrett, John Tyndall and sympathetic vibrations’, *History of Science*, December 2004

### Electronic databases

Cantor, G., Dawson, G., Noakes, R., Shuttleworth, S. and Topham, J. (2004) *The Science in the Nineteenth-Century Periodical* ('SciPer') Index, Historical Research Institute Online

## Lectures and Conferences

### November 2003

Noakes, R. ‘Measuring mediums: instruments, delicacy, and control in Victorian physical and psychical sciences’, History of Science Society, Annual Meeting, Cambridge, MA

### January 2004

Noakes, R. ‘Maxwellian psychics: interpreting telepathy and transmission in Victorian electrodynamics’, South Kensington Institute for the History of Science and Technology, London

### April 2004

Noakes, R. ‘Reclassifying classical physics’, Postdoctoral Research Fellows’ Symposium, British Academy, London

Noakes, R. “‘Newton’s Chair’: new perspectives on Cambridge University’s Lucasian Professors of Mathematics’, Royal Society, London

### June 2004

Noakes, R. ‘Unusual physics: negotiating the borderland between physical and psychical research in late-Victorian Britain’, Royal Institution of Great Britain

### August 2004

Noakes, R. ‘Making physics psychic: the new physics and audiences for the occult in Victorian Britain, 1870–1920’, Circulating Knowledge: Fifth British-North American Joint Meeting of the BSHS, CHPS and HSS, Halifax, Nova Scotia

## Onora O’Neill

During 2003-4 Neil Manson and I continued our work on the Wellcome Trust funded project on ‘Informed Consent and Genetic Data’. The milestones of the project are described in Neil’s report. I have also given seminars and lectures for a wide range of philosophical and practitioner audiences on the themes of trust, intelligent accountability, informed consent and the ethics of communication.

## Publications

### Articles in books

O’Neill, O. (2003) ‘DNA and ethics’ in T. Krude (ed.) *DNA: Changing Science and Society*, Cambridge University Press, 166-182

O’Neill, O. (2004) ‘Kant: rationality as practical reason’ in A.J. Mele and P. Rawling (eds) *The Oxford Handbook of Rationality*, Oxford University Press, 93-109

O’Neill, O. (2004) ‘Global justice: whose obligations?’ in D.K. Chatterjee (ed.) *The Ethics of Assistance: Morality and the Distant Needy*, Cambridge University Press, 242-259

### Articles in journals

O’Neill, O. ‘Stem cells: ethics, legislation, regulation’, *Comptes Rendus Biologies* (2003) [www.sciencedirect.com](http://www.sciencedirect.com)

O’Neill, O. ‘Constructivism vs. contractualism’, *Ratio* XVI (2003), 319-331

O’Neill, O. ‘Consequences for non-consequentialists’, *Utilitas* 16 (2004), 1-11

O’Neill, O. ‘Informed consent and public health’, *Philosophical Transactions: Biological Sciences* 359 (2004), 1133-1136

# Arash Pessian

Arash Pessian was a second year PhD candidate and a philosophy of science supervisor for Part IB.

## Lectures and Conferences

*July 2004*

Pessian, A. 'A classy time with Mr Russell', Joint Session of The Aristotelian Society and The Mind Association, Open Sessions, University of Kent at Canterbury

## Prizes

*December 2003*

Recipient of the Emanuel Miller Prize, for an essay in the philosophy of science, awarded by St John's College, University of Cambridge

# Kate Price

In March 2004 I convened an experimental, interdisciplinary workshop on Arthur Eddington. This brought together astronomers and physicists, historians and philosophers of science, as well as those working in literature and the history of art. Thanks to the willingness of all participants, plus generous support from the Centre for Research in the Arts Humanities and Social Sciences and from the British Academy, we managed to achieve genuine exchange across some wide differences in training and outlook. Following the meeting I was invited to the Royal Astronomical Society's Dining Club where I nervously recited the poem 'Letter I' by William Empson, which the astronomers enjoyed. Opportunities to participate in HPS activities over the past year have been invaluable for my work and immensely enjoyable.

## Publications

### Reviews

Price, K. Review of T. Tate and H. Small (eds) *Literature, Science, Psychoanalysis, 1830-1970*, in *Women: A Cultural Review* 15 (March 2004)

## Lectures and Conferences

*March 2004*

Price, K. 'Eddington's Form', Arthur Stanley Eddington: Interdisciplinary Perspectives, workshop at the Centre for Research in the Arts, Humanities and Social Sciences, University of Cambridge

*July 2004*

Price, Kate, 'Popular science and the invention of poetry', British Comparative Literature Association

*August 2004*

Price, Kate, 'Science, poetry and popularisation', Fifth British-North American Joint Meeting of the BSHS, CSHPS, and HSS

*September 2004*

Price, Kate, 'Public engagement movements', Cambridge Social Property Seminar, Centre for Research in the Arts, Humanities and Social Sciences, University of Cambridge

# Sadiyah Qureshi

## Publications

### Articles in journals

Qureshi, S. 'Displaying Sara Baartman, the "Hottentot Venus"', *History of Science* 42 (2004), 233-257

## Lectures and Conferences

*January 2004*

Qureshi, S. 'Living curiosities: ethnological showbusiness and the emergence of ethnology, 1810-54', British Society for the History of Science Postgraduate Conference, Manchester University

*May 2004*

Qureshi, S. 'Captivating curiosities: early-nineteenth-century ethnological display and the collection of human specimens', Annual Meeting of the Society for the History of Natural History, Cambridge

*July 2004*

Qureshi, S. 'Ethnological showbusiness, collecting people, and the natural history of man in the mid-nineteenth century', University of East Anglia, Norwich

*August 2004*

Qureshi, S. 'Living curiosities: human ethnological exhibition and the emergence of ethnology, 1810-1854', Circulating Knowledges Conference, Halifax, Nova Scotia

# Rob Ralley

## Lectures and Conferences

*January 2004*

Ralley, R. 'The "Comminalte" of London physicians and surgeons, 1423-4', Wellcome Unit for the History of Medicine, Oxford

*August 2004*

Ralley, R. 'Circulating manuscripts and the assembly of textual authority in fifteenth-century English medicine', Fifth British-North American Joint Meeting of the BSHS, CSHPS and HSS, Halifax, Nova Scotia

# Michael Redhead

## Publications

### *Articles in books*

Redhead, M.L.G. (2003) 'Philosophy and particle physics' in J. Rigden (ed.) *Building Blocks of Matter*, MacMillan, 368-370

### *Articles in journals*

Redhead, M.L.G. and Massimi, M. 'Weinberg's proof of the spin-statistics theorem', *Studies in History and Philosophy of Modern Physics* 34 (2003), 621-650

## In Press

### *Articles in journals*

Redhead, M.L.G. 'Asymptotic reasoning', *Studies in History and Philosophy of Modern Physics*

Redhead, M.L.G. 'Broken bootstraps: the rise and fall of a research programme', *Foundations of Physics*

Redhead, M.L.G. 'Mathematics and the mind', *The British Journal for the Philosophy of Science*

## Lectures and Conferences

*October 2003*

Redhead, M.L.G. 'Mathematics and the mind', International Conference on The Place of Values in a World of Facts, LSE

*November 2003*

Redhead, M.L.G. 'Minds, machines and all that', Faculty of Philosophy, University of Oxford

*February 2004*

Redhead, M.L.G. 'Probability in quantum mechanics', final address at the Workshop on Probability in Quantum Mechanics, LSE

Redhead, M.L.G. 'Mathematics and the mind', Philosophy Department, University of Bristol

March 2004

Redhead, M.L.G. 'Bootstrap philosophy: the rise and fall of a research programme', Sigma Club, LSE

May 2004

Chaired the Popper Debate on *Science and Religion: Conflict or Peaceful Coexistence*

## Eleanor Robson

Eleanor Robson joined the Department as a university lecturer in January 2004. She is a council member of both the British School of Archaeology in Iraq (BSAI) and the British Society for the History of Mathematics (BSHM). For the BSAI she continues to do media work on the destruction of archaeological heritage during and after the Iraq War of 2003, and was co-organiser of the conference *Steady states: institutional stability in the face of political change. The evidence from pre-modern Western Asia*, held at the British Academy in September 2004. She is Meetings Co-ordinator of the BSHM and co-edits the four-monthly *BSHM Bulletin* (formerly *Newsletter*). She organised a workshop, *History in the undergraduate mathematics curriculum*, at All Souls College, Oxford for the BSHM in November 2003. In June 2004 she was elected to a non-stipendiary fellowship at All Souls.

### Publications

#### Books

Campbell-Kelly, M., Croarken, M., Flood, R.G. and Robson, E. (eds) (2003) *The History of Mathematical Tables From Sumer to Spreadsheets*, Oxford University Press

#### Articles in books

Campbell-Kelly, M., Croarken, M., Flood, R.G. and Robson, E. (2003) 'Introduction' in M. Campbell-Kelly, M. Croarken, R.G. Flood and E. Robson (eds) *The History of Mathematical Tables From Sumer to Spreadsheets*, Oxford University Press, 1-17

Robson, E. (2003) 'Tables and tabular formatting in Sumer, Babylonia, and Assyria, 2500-50 BCE' in M. Campbell-Kelly, M. Croarken, R.G. Flood and E. Robson (eds) *The History of Mathematical Tables From Sumer to Spreadsheets*, Oxford University Press, 18-47

Robson, E. (2004) 'Counting the days: scholarly conceptions and quantifications of time in Assyria and Babylonia, c. 750-250 BCE', in R. Rosen (ed.) *Time and Temporality in the Ancient World*, University Museum Press, Philadelphia, 45-90

Robson, E. (2004) 'Mathematics and counting devices' and 'Balances, weights and measures' in B. Fagan (ed.) *The Seventy Great Inventions of the Ancient World*, Thames and Hudson, 247-249, 253-254

Robson, E. (2004) 'Accounting for change: the development of tabular book-keeping in early Mesopotamia' in C. Wunsch and M. Hudson (eds) *The Social and Economic Implications of Accounting in the Ancient World*, ISLET, Dresden, 107-144

#### Articles in journals

Robson, E. 'Iraq: the history of mathematics and the aftermath of war', *BSHM Newsletter* 49 (Winter 2003-04), 1-9; reprinted in *Revue d'Histoire des Mathématiques* 9 (2003), 311-315

Foster, B. and Robson, E. 'A new look at the Sargonic mathematical corpus', *Zeitschrift für Assyriologie* 94 (2004), 1-15

#### Reviews

Robson, E. Review of A.R. George, *The Babylonian Gilgamesh Epic: Introduction, Critical Edition, and Cuneiform Texts*, in *Bryn Mawr Classical Review* (April 2004) <http://ccat.sas.upenn.edu/bmcr/2004/2004-04-21.html>

Robson, E. Review of G. Urton, *Signs of the Inka khipu: Binary Coding in the Andean Knotted-String Records*, in *American Scientist* (March-April 2004)

Robson, E. Comment on Michael Seymour, 'Ancient Mesopotamia and modern Iraq in the British press, 1980-2003', *Current Anthropology* 45 (2004), 364

Robson, E. Review of A. Imhausen, *Ägyptische Algorithmen: Eine Untersuchung zu den mittelägyptischen mathematischen Aufgabentexten*, in *Aestimatio: Critical Reviews in History of Science* 1 (2004), 73-79 <http://www.ircps.org/publications/aestimatio/aestimatio.htm>

#### Websites

Robson, E. and Treadwell, W.L. *Iraq: Navel of the World*, Ashmolean Museum, Oxford <http://www.ashmol.ox.ac.uk/amps/iraq-navel/>

## In Press

### Books

Black, J.A., Cunningham, G.G., Robson, E. and Zólyomi, G.G. (eds) (2004) *The Literature of Ancient Sumer*, Oxford University Press

### Articles in books

Robson, E. (2004) 'Introduction' in J.A. Black, G.G. Cunningham, E. Robson and G. G. Zólyomi (eds) *The Literature of Ancient Sumer*, Oxford University Press, xix-lxiii

Robson E. (2005) 'Everyday mathematical thinking' in T. Gowers and J.E. Barrow-Green (eds) *The Princeton Companion to Mathematics*, Princeton University Press

### Articles in journals

Robson, E. 'Mathematical cuneiform tablets in the Ashmolean Museum, Oxford', *SCIAMVS* 5 (2004)

Lion, B. and Robson, E. 'Quelques textes scolaires paléo-babyloniens rédigés par des femmes', *Journal of Cuneiform Studies* 56 (2005)

### Reviews

Robson, E. Review of J. Høyrup and P. Damerow (eds.) *Changing Views on Ancient Near Eastern Mathematics*, in *Archiv für Orientforschung* 50 (2004)

## Lectures and Conferences

### January 2004

Robson, E. 'Who looted the Iraq Museum? The illicit trade in Iraqi antiquities', MPhil Seminar in the History of Collecting, Department of the History of Art, University of Oxford

Robson, E. 'Gods, kings, heroes, and schoolboys: Sumerian literature and scribal education', *The Sumerians* study day, British School of Archaeology in Iraq and University of Oxford Department of Continuing Education, Kellogg College, Oxford

### February 2004

Robson, E. 'Knotty problems: case studies in the archaeology of mathematics', ...*Things first: archaeological text and material culture*: Classical Archaeology seminar series, Lincoln College, Oxford

### March 2004

Robson, E. 'Les tables dans les mathématiques assyro-babyloniennes du premier millénaire av. J.C.', *Colloque Histoire des Tables*, CNRS-REHSEIS, Paris

### April 2004

Robson, E. 'Educated women in ancient Iraq', Trinity Hall Women's Seminar, Cambridge

### July 2004

Robson, E. 'Look on my works, ye mighty, and despair: archaeological protests against the Iraq War and its aftermath', *Reason and resistance: strategies for activist scholarship*, Department of the History of Art, University of Oxford

### August 2004

Robson, E. and Haarer, P. 'An ABC of ancient writing', Ashmolean Museum, Oxford

### September 2004

Robson, E. 'Archaeology: Iraq's other underground assets', MENA Oil Conference, Imperial College, London (on behalf of the British School of Archaeology in Iraq)

## Martin Rudwick

### Publications

#### Books

Rudwick, M.J.S. (2004) *The New Science of Geology: Studies in the Earth Sciences in the Age of Revolution*, Ashgate Publishing (reprints 13 articles – one newly in English – originally published 1970-2001, and one previously unpublished, with a new introduction)

### In Press

#### Books

Rudwick, M.J.S. (2005) *Lyell and Darwin, Geologists: Studies in the Earth Sciences in the Age of Reform*, Ashgate Publishing (reprints 10 articles originally published 1971-1998, with a new introduction)

Rudwick, M.J.S. (2005) *Bursting the Limits of Time: The Reconstruction of Geohistory in the Age of Revolution*, University of Chicago Press

## Lectures and Conferences

April 2004

Rudwick, M.J.S. ‘“Science”, the Anglophone Heresy’, Science Studies Program, University of California, San Diego

Rudwick, M.J.S. ‘Picturing nature in the age of enlightenment’, Spring Meeting, American Philosophical Society, Philadelphia

# Colin Russell

Emeritus Professor in the History of Science at the Open University, and currently a consultant there.

## Publications

### Articles in books

Russell, C.A. (2003) ‘Atomi, tipi e radicali’ in S. Petruccioli (ed.) *Storia della scienza*, Enciclopedia Italiana, Rome, vol. 7, 591-600

### Articles in journals

Russell, C.A. ‘Enterprise and electrolysis’ [Nicholson], *Chem. Brit.* 39(8) (2003), 28-30

Russell, C.A. ‘Peter and the Woulfe Bottle’, *Chem. Brit.* 39(10) (2003), 58

Russell, C.A. ‘One thing leads to another’ [Beckmann], *Chem. Brit.* 39(11) (2003), 36-38

Russell, C.A. ‘Ethereal philosopher’ [Williamson], *Chem. World* 1(3) (2004), 46-49

### Reviews

Russell, C.A. Review of István Hargittai, *Candid Science III: Candid Conversations with Famous Chemists*, in *Chem. Brit.* 39(9) (2003), 55

Russell, C.A. Review of C. Mollan, W. Davies and B. Finucane (eds) *Irish Innovators in Science and Technology*, in *Chem. Heritage* 21(4) (2003), 40-41

Russell, C.A. Review of I. Miller (ed.) *Steeped in History: The Alum Industry of North-East Yorkshire*, in *Ind. Arch. Rev.* 25(2) (2003), 153-154

Russell, C.A. Review of P.J. Ramberg, *Chemical Structure, Spatial Arrangement: The Early History of Stereochemistry, 1874-1914*, in *Chem. World* 1(1) (2004), 50

Russell, C.A. Review of P.J. Bowler, *Reconciling Science and Religion: The Debate in Early-Twentieth Century Britain*, in *Science & Christian Belief* 16 (2004), 71-72

## In Press

### Books

Russell, C.A. and Roberts, G.K. (eds) *Recent Developments in the History of Chemistry*, new edition, Royal Society of Chemistry, Cambridge

### Articles in books

Russell, C.A. ‘Science and religion’ in *International Encyclopedia of the Social and Behavioural Sciences*, Elsevier, Oxford

Russell, C.A. ‘Richard Watson: gaiters and gunpowder’ in Mary Archer (ed.) *Chem@300: Transformation and Change*, Cambridge University Press

Russell, C.A. ‘E. Frankland’, ‘P.F. Frankland’, ‘T.M. Lowry’, ‘L.H. Lampitt’ and ‘E.F. Armstrong’ in *New Dictionary of National Biography*, Oxford

Russell, C.A. ‘Astronomy’ in *Encyclopedia of the Enlightenment*, Oxford University Press, New York

## Lectures and Conferences

July 2004

Russell, C.A. ‘Chemistry and revolution’, Priestley Bicentenary Symposium, organised by BOC and the Royal Society of Chemistry, Huddersfield

# Christine F. Salazar

## Publications

### Books

Salazar, C.F. (managing editor) (2003) *Brill's New Pauly*, vol III (Cat-Cyp), Brill, Leiden

Salazar, C.F. (managing editor) (2004) *Brill's New Pauly*, vol IV (Cyr-Epy), Brill, Leiden

### Reviews

Salazar, C.F. Review of A. Debru and N. Palmieri (eds) *Docente Natura*, in *Classical Review* (2003)

Salazar, C.F. Review of S. Ihm, *Clavis Commentariorum der Antiken Medizinischen Texte*, in *Classical Review* (2003)

Salazar, C.F. Review of C. Otte, *Galen, De Plenitudine*, in *Classical Review* (2003)

Salazar, C.F. Review of P. van der Eijk, *Diocles of Carystus*, in *Classical Review* (2003)

Salazar, C.F. Review of L.A. Graumann, *Die Krankengeschichten der Epidemienbücher des Corpus Hippocraticum. Medizinhistorische Bedeutung und Möglichkeiten der Retrospektiven Diagnose*, in *Classical Review* (2004)

## Lectures and Conferences

### June 2004

Attendance at the Arbeitskreis Alte Medizin (chairing the morning session), Mainz, Germany

# Simon Schaffer

In December 2003 Simon Schaffer held the Lawrence Stone professorship at the Shelby Cullom Davis Center, Princeton University. In July 2004, he was appointed Editor of the *British Journal for the History of Science*. In August 2004, he delivered a plenary lecture at the joint meeting in Paris of the Society for Social Studies of Science and the European Association for Study of Science and Technology.

## Publications

### Articles in books

Schaffer, S. (2003) 'Paper and brass: the Lucasian professorship 1820-1839' in K. Knox and R. Noakes (eds) *From Newton to Hawking: A History of Cambridge's Lucasian Professors of Mathematics*, Cambridge University Press, 241-293

Schaffer, S. (2004) 'A science whose business is bursting: soap bubbles as commodities in classical physics' in L. Daston (ed.) *Things That Talk: Object Lessons from Art and Science*, Zone Books, 147-194

### Articles in journals

Schaffer, S. 'Enlightenment brought down to earth', *History of Science* 41 (2003), 257-268

### Reviews

Schaffer, S. Review of R. Yeo, *Science in the Public Sphere*, in *Metascience* 12 (2003), 133-137

Schaffer, S. Review of I. McCalman, *The Seven Ordeals of Count Cagliostro*, in *Life Writing* 1 (2003), 17-21

## Lectures and Conferences

### October 2003

Schaffer, S. 'Science in early modern Rome', Warburg Institute, London

Schaffer, S. 'The astronomer's inventory', Caius College Historical Society

### November 2003

Schaffer, S. 'Spreading rumours and writing science in the Republic of Letters', New Hall History Society

### December 2003

Schaffer, S. 'Instruments as cargo in the China trade', Davis Center, Princeton University

Schaffer, S. 'Soap bubbles and other metropolitan marvels', History Department, Princeton University

### February 2004

Schaffer, S. 'Instruments as cargo in the China-Pacific trade', History and Philosophy of Science, Leeds University

Schaffer, S. 'Immaterial images', Kettle's Yard Symposium, New Hall Cambridge

### March 2005

Schaffer, S. 'The science of time in eighteenth century travel', Institute of Historical Research, London

April 2004

Schaffer, S. 'Astronomy, astrophysics and other imperial pursuits', History of Science, Harvard University

May 2004

Schaffer, S. 'Invisible technicians and artificial intelligence', Hypermedia Research Centre, University of Westminster

Schaffer, S. 'History of science', DNB Seminar on Biography, Modern History Faculty, University of Oxford

Schaffer, S. 'Hahn's planetarium and the China trade', Forschungsinstitut Deutsches Museum, Munich

July 2004

Schaffer, S. 'The scientist as artist: William Gooch and Vancouver's voyage', National Maritime Museum Greenwich

August 2004

Schaffer, S. 'Instruments as cargo in the China trade', joint meeting of HSS, CSHPS and BSHS, Halifax NS

Schaffer, S. 'Public experiments and their private arts', joint meeting of 4S / EASST, Paris

## Jutta Schickore

### Publications

#### Articles in journals

Schickore, J. 'The "philosophical grasp of the appearances" and experimental microscopy: Johannes Müller's microscopical research, 1824-1832', *Studies in History and Philosophy of Biology and Biomedical Sciences* 34 (2003), 569-592

Schickore, J. 'Cheese-mites and other delicacies: the introduction of organic test objects into microscopy', *Endeavour* 27 (2003), 134-138

### In Press

#### Articles in books

Schickore, J. 'Comte, Auguste' in *Lexikon Bedeutender Naturwissenschaftler*, Spektrum Akademischer Verlag, Heidelberg

Schickore, J. 'Augenspiegel, Ophthalmoskop' in *Pschyrembel Wörterbuch Medizingeschichte*, de Gruyter, Berlin

### Lectures and Conferences

January 2004

Schickore, J. "The productivity of procedural faults: microscopy of the nerves in the 1820s and 1830s", colloquium at the Department of History and Philosophy of Science, University of Cambridge

April 2004

Co-organiser of an authors' workshop (with Friedrich Steinle, Berlin) for a collected volume on *Revisiting Discovery and Justification: The Context Distinction in Historical and Philosophical Perspective*

November 2003

Schickore, J. "...some half-taught booby bragging of the goodness of a microscope..." the introduction of test objects into microscopy, 1820-1835', HSS Annual Meeting, Cambridge, Massachusetts

## Anne Secord

### Publications

#### Articles in books

Secord, A. (2004) 'Richard Buxton', 'Edward Hobson', 'John Horsefield', 'John Martin' and 'John Nowell' in B. Lightman (ed.) *Dictionary of Nineteenth-Century British Scientists*, 4 vols, Thoemmes Press

Secord, A. (2004) 'E.W. Binney', 'Richard Buxton', 'George Caley', 'James Crowther', 'John Duncan', 'Thomas Edward', 'Samuel Gibson', 'Edward Hobson', 'John Horsefield', 'Ellen Hutchins', Charles Lyell (Sr)', 'John Martin', 'John Nowell' and 'William Wilson' in C. Matthew and B. Harrison (eds) *Oxford Dictionary of National Biography*, 60 vols, Oxford University Press



## In Press

### Books

Secord, A. (2005) *Artisan Naturalists: Science as Popular Culture in Nineteenth-Century England*, University of Chicago Press

### Articles in journals

Secord, A. (2005) 'Elizabeth Gaskell and the working-class naturalists of Manchester', *The Gaskell Society Journal* 19

## Lectures and Conferences

### November 2003

Secord, A. Commentary on conference session: 'To the letter: epistolary codes and transformative spaces of nineteenth-century scientific correspondence', History of Science Society Annual Meeting, Cambridge, Mass.

### December 2003

Secord, A. Guest speaker at the second Advisory Group Meeting of the 'Amateurs as Experts: Harnessing New Knowledge Networks for Biodiversity' Lancaster University and Natural History Museum joint research project

### April 2004

Secord, A. 'Elizabeth Gaskell and the working-class naturalists of Manchester', The Daphne Carrick Lecture, Gaskell Society Meeting, Cross Street Chapel, Manchester

### May 2004

Secord, A. "'Individuals possess such treasures": skill, desire, and the public good in the making of British natural history collections', keynote address, Annual Meeting of the Society for the History of Natural History, Darwin College, Cambridge

Secord, A. 'Time and chance: temporal order, natural laws, and artisan expertise in early nineteenth-century England', Knowledge and Society Seminar, Institute of Historical Research, School of Advanced Study, University of London

## Jim Secord

Jim Secord is on leave until October 2006 with a Leverhulme Trust Major Research Fellowship, to write a book on science in the illustrated newspaper press during the nineteenth century.

## Publications

### Books

*Collected Works of Mary Somerville*, 9 vols, Thoemmes Continuum, Bristol; editorial introductions and bibliographies (vol. 1: i-xlv; 2: i-xxi; 4: i-xxi; 5: i-xxi; 7: i-xxi; 9: i-xxv)

### Articles in books

Secord, J. (2004) 'Monsters at the Crystal Palace' in S. de Chadarevian and N. Hopwood (eds) *Models: The Third Dimension of Science*, Stanford University Press, 138-169

Secord, J. (2004) 'Alexander Clarke', 'Andrew Crosse', 'Henry De la Beche', 'David Page', 'John Salter', 'Adam Sedgwick', 'Harry Seeley', 'Daniel Sharpe', 'Charles Southwell' and 'William Tegetmeier' in *Oxford Dictionary of National Biography*, Oxford University Press

Secord, J. (2004) 'Introduction' to reprint of R. Zornlin, *The World of Waters* (1843), Edition Synapse/Thoemmes Continuum, Bristol, v-xi

### Reviews

Secord, J. Review of Andrew Hunter (ed.) *Thornton and Tully's Scientific Books, Libraries, and Collectors*, in *Isis* 94 (2003), 566-567

Secord, J. 'When pigs ruled the Earth', review of Michael Benton, *When Life Nearly Died: The Greatest Mass Extinction of All Time*, in *London Review of Books* (1 Apr. 2004), 31-32

Secord, J. 'Geological tensions in an idyllic field', essay review of David Oldroyd, in *Metascience* 14 (2004), 1-6

## Lectures and Conferences

### November 2003

Secord, J. 'Scientific discovery as illustrated news', HSS Annual Meeting, Boston

Secord, J. 'Scrapbook science: composite caricatures in late Georgian England', Department of English, Harvard University

February 2004

Secord, J. 'Science in the *Sun*, life on the moon', Inaugural Address, Department of History and Philosophy of Science, University of Cambridge

Secord, J. 'Scrapbook science: composite caricatures in late Georgian England', Cambridge Library Group

March 2004

Secord, J. 'Parables from nature', Plenary Lecture for Conference on Science and the Pre-Raphaelites, Tate Gallery, London

Secord, J. 'Scientific discovery as illustrated news', Cultural History Seminar, History Faculty

Secord, J. 'Charles Lyell and the principles of geology', Geologist's Association, Cambridgeshire

August 2004

Secord, J. 'From scientific conversation to shop talk', Conference on Popular Science, York University, Toronto

Secord, J. 'Knowledge in transit', plenary address, Fifth British-North America Joint Meeting of HSS, CSHPS and BSHS, Halifax, Nova Scotia

## Emma Spary

### Publications

#### Articles in journals

Spary, E.C. 'Scientific symmetries', *History of Science* 62 (2004), 1-46

Spary, E.C. "'Peaches which the patriarchs lacked": natural history, natural resources, and the natural economy in eighteenth-century France', *History of Political Economy*, supplement to vol. 35 (2004), 14-41

#### Reviews

Spary, E.C. 'Luminous learning', essay review of L.W.B. Brockliss, *Calvet's Web: Enlightenment and the Republic of Letters in Eighteenth-Century France*, in *History Workshop Journal* (2004)

Spary, E.C. Review of Roger L. Williams, *French Botany in the Enlightenment: The Ill-fated Voyages of La Pérouse and His Rescuers*, in *British Journal for the History of Science* (2004)

### In Press

#### Books

Rookmaaker, L.C., Mundy, P.J., Spary, E.C. and Glenn, I.E. (2004) *François Levaillant and the Birds of Africa*, The Brenthurst Press, Johannesburg

#### Articles in books

Spary, E.C. (2005) 'Of nutmegs and botanists: the colonial cultivation of botanical identity' in L. Schiebinger and C. Swan (eds) *Colonial Botany: Science, Commerce, and Politics in the Early Modern World*, University of Pennsylvania Press, 187-203

### Lectures and Conferences

November 2003

Spary, E.C. 'Coffee grounds: plant identification and French colonial botany before 1740', History of Science Society Annual Meeting, Cambridge, Mass.

March 2004

Spary, E.C. 'Atheists, astronomers and arachnophages: or, how to swallow the French Enlightenment', Nineteenth-Century Studies Group, University of British Columbia

Spary, E.C. 'Fruits of paradise? Exotics, environments and enlightenments in eighteenth-century France', Workshop 'Environmental Knowledges and Colonial Expansion', University of British Columbia

June 2004

Spary, E.C. 'The dark side of food and drugs: poisons as property in eighteenth-century Paris', Workshop 'Eating, Treating, Competing: Food and Drugs in History', Maison Inter-universitaire des Sciences de l'Homme, Alsace and Université Louis Pasteur, Strasbourg

Spary, E.C. 'Pierre Pomet's Parisian collection: rethinking the visible and the invisible in early modern collections', Conference 'From Private to Public: Natural Collections and Museums', Dipartimento di Storia e Metodi per la Conservazione dei Beni Culturali, Ravenna

# Mark Sprevak

## Publications

### Articles in journals

Sprevak, M.D. and McLeish, C.R.M. 'Magic, semantics, and Putnam's vat brains', *Studies in History and Philosophy of Science*, Part C, 35 (2004), 227-236

## In Press

### Reviews

Sprevak, M.D. 'The Chinese carnival', review of J.M. Preston and M. Bishop (eds) *Views into the Chinese Room*, in *Studies in History and Philosophy of Science*

## Lectures and Conferences

### November 2003

Sprevak, M.D. 'Algorithms and the Chinese room', 7th Annual Oxford Philosophy Graduate Conference, University of Oxford

Sprevak, M.D. 'The algorithmic reply to Kripke's sceptic', Graduate Philosophy Seminar, University of Cambridge

### March 2004

Sprevak, M.D. 'Programs and portability', Columbia-NYU Graduate Philosophy Conference, New York

### June 2004

Sprevak, M.D. 'The frame problem and the CTM', European meeting of the Society for Computing and Philosophy E-CAP 2004, Pavia, Italy

# Liba Taub

Liba Taub was promoted to a personal Readership from October 2003. In July 2003 she was elected a member of the International Astronomical Union. She continues to serve on the University Council, and is also a member of the UK Spoliation Advisory Panel, as well as the Wissenschaftliche Beirat of the Deutsches Museum. She began drum lessons in February 2004.

## Publications

### Books

Taub, L. (2003) *Ancient Meteorology*, Routledge

### Articles in books

Taub, L. (2004) 'Roger Long (1680-1770)', *Oxford Dictionary of National Biography*, Oxford University Press

Taub, L. (2004) 'Anthony Shepherd (1721-1796)', *Oxford Dictionary of National Biography*, Oxford University Press

### Articles in journals

Taub, L. 'The future of university collections', *Cambridge* 54 (2004), 9-12

Taub, L. 'Target audiences and agendas', *NatSCA News* (Natural Sciences Collections Association) 3 (2004), 21-24

## In Press

### Articles in books

Taub, L. 'On the non-Newtonian nature of orreries' in L. Taub and F. Willmoth (eds) *The Whipple Museum of the History of Science: Instruments and Interpretations*, Cambridge University Press with the Whipple Museum

## Lectures and Conferences

### January 2004

Taub, L. 'Ancient Greek and Roman meteorology: a "scientific community" in touch with its past', session on Earth Sciences in Antiquity, 135th Annual Meeting of the American Philological Association, San Francisco

### April 2004

Taub, L. 'Target audiences and agendas', 2nd Annual Meeting of NatSCA (Natural Sciences Collections Association), Dublin

June 2004

Taub, L. 'Genres of ancient philosophy, science and mathematics', Summer School on the Impact of the Humanities on the Sciences, Istituto Veneto, Venice

Taub, L. 'On mathematical and physical explanations in the ancient meteorological tradition', Summer School on the Impact of the Humanities on the Sciences, Istituto Veneto, Venice, and conference on Physics and Mathematics in Antiquity, Rijksuniversiteit, Leiden

Speaker in Workshop on Teaching with University Collections, conference on Scientific Instrument Collections in the University, Dartmouth College (USA)

## Deborah Thom

### Publications

#### *Articles in books*

Thom, D. (2003) 'Making war spectacular' in G. Braybon (ed.) *Evidence, History and the Great War*, Berghahn Books

Thom, D. (2004) 'Lady Hester Adrian', 'Lilian Barker', 'Mrs Cecil Chesterton', 'Barbara Drake' and 'Dr Emanuel Miller' in the new *Dictionary of National Biography*, Oxford

### In Press

#### *Articles in journals*

Thom, D. 'Politics and the people: Brian Simon and the campaign against intelligence testing', *History of Education* (Autumn 2004)

### Lectures and Conferences

#### *December 2003*

Thom, D. Plenary lecture 'Brian Simon and the campaign against intelligence testing', conference of the History of Education Society, Homerton College, Cambridge

#### *January 2004*

Thom, D. "'Of course the women do not actually ....dig the graves": women and war photographs', Social History Society conference, University of Rouen, France

#### *July 2004*

Thom, D. "'Of course the women do not actually.....blow the glass": women and the work photograph', annual conference on Work, Centre for Contemporary British History, Institute for Historical Research, London

## Anke Timmermann

### Lectures and Conferences

#### *November 2003*

Timmermann, A. 'A short history of alchemy and a Medieval recipe for the philosophers' stone', Cambridge Gates Colloquia

#### *January 2004*

Timmermann, A. 'The tradition of alchemical writings vs. the historiography of alchemy', Strathclyde University Graduate Conference

#### *August 2004*

Timmermann, A. 'A square circle: authors, writers and readers of late medieval alchemical poetry', Fifth British-North American Joint Meeting of the BSHS, CSHPS and HSS, Halifax, Nova Scotia, Canada

# Karin Tybjerg

## Publications

### Articles in books

Tybjerg, K. et al. (2004) 'Darkness visible: obscurity and openness in three mysterious instrument texts' and 'Of dogs, mousetraps and magical plants: how (not) to dig up a mandrake' in P. Boner and C. Eagleton (eds) *Instruments of Mystery*, Whipple Museum of the History of Science, 5-13, 27-41

### Articles in journals

Tybjerg, K. 'Wonder-making and philosophical wonder in Hero of Alexandria', *Studies in History and Philosophy of Science* 34 (2003), 443-466

Mosley, A., Jardine, N. and Tybjerg, K. 'Tycho Brahe, epistolary culture, and standards of editorial probity', *Studies in the History of Astronomy* 34 (2003), 421-451

### Reviews

Tybjerg, K. Review of S. Cuomo, *Ancient Mathematics*, in *Journal of Roman Studies* 87 (2003), 324-325

Tybjerg, K. Review of J. Mansfeld, *Prolegomena Mathematica: From Apollonius of Perga to the Late Neoplatonists*, in *Isis* 94 (2003), 705-706

Eagleton, K., Tybjerg, K. and Vermeir, K.J. Review of P. Long, *Openness, Secrecy and Authorship: Technical Arts and the Culture of Knowledge from Antiquity to the Renaissance*, in *British Journal in History of Science* 37 (2004), 101-103

Tybjerg, K. Review of L. Berggren and A. Jones, *Ptolemy's Geography*, in *British Journal of the History of Science* 37 (2004), 194-196

## In Press

### Articles in books

Tybjerg, K. 'The mechanical treatises of Hero of Alexandria' in *Geschichte der Mathematik und der Naturwissenschaften in der Antike. Band: Physik-Mechanik*

Tybjerg, K. 'Hydraulics in Hero' in *Atti del Convegno di Problemi di Macchinismo in Ambito Romano*

Tybjerg, K. 'Greek science' in *New Dictionary of the History of Ideas*, Scribner and Sons

## Lectures and Conferences

### October 2003

Tybjerg, K. 'Texts and machines: Hellenistic and early Roman mechanical treatises', *Reinventions: Hellenistic and Early Roman Science*, Emory University, Atlanta, Georgia

### June 2004

Tybjerg, K. 'Diagrams, machines and texts in ancient mechanical writings', Annual Meeting 2004, British Society of the History of Science, Liverpool

# Paul White

## Publications

### Articles in books

White, P. (2004) 'Edward Forbes', 'Thomas Huxley' and 'Herbert Spencer' in B. Lightman (ed.) *Dictionary of Nineteenth Century British Scientists*, Thoemmes Press

### Articles in journals

White, P. 'Desmond/Huxley: the hot-blooded historian', *Studies in History and Philosophy of the Biological and Biomedical Sciences* 35 (2004), 191-198

White, P. and Spary, E.C. 'Food of paradise: Tahitian breadfruit and the autocritique of European consumption', *Endeavour* 28 (2004), 75-80

## **In Press**

### **Books**

White, P. et al. (eds) *The Correspondence of Charles Darwin*, vol. 14, Cambridge University Press

### **Articles in books**

White, P. 'Acquired character: the material of the self-made man' in H.-J. Rheinberger and S. Müller-Wille (eds) *A Cultural History of Heredity, Vol. 1: The Coming into Being of Heredity (1600 to 1850)*, MIT Press

White, P. 'Correspondence as a medium of reception' in E.-M. Engles and T. Glick (eds) *The Reception of Charles Darwin in Europe*, Continuum, London

White, P. 'The experimental animal in Victorian Britain' in L. Daston and G. Mitman (eds) *Thinking with Animals: Anthropomorphism in Historical and Contemporary Perspective*, Columbia University Press

## **Lectures and Conferences**

### *November 2003*

White, P. 'Letters and the scientific life in the age of professionalization', HSS Annual Meeting, Boston

### *March 2004*

White, P. 'Experimentation and emotion in late Victorian Britain', workshop in 19th-century studies, University of British Columbia

White, P. 'Darwin and the circle of friendship', Lucy Cavendish College, Cambridge

### *May 2004*

White, P. 'Darwin and the Imperial Archive', Society for the History of Natural History Annual Meeting, Cambridge

# Jill Whitelock

## **In Press**

Whitelock, J. (2005) *The Seven Sages of Rome (Midland Version)*, edited from Cambridge, University Library, Dd.1.17. Early English Text Society, O.S. 324. Oxford University Press

# Nick Wilding

## **Publications**

### **Articles in books**

Wilding, N. (2004) 'Publishing the polygraphy: manuscript, instrument, and print in the work of Athanasius Kircher' in P. Findlen (ed.) *Athanasius Kircher: The Last Man Who Knew Everything*, Routledge, 283-296

## **In Press**

### **Articles in books**

Wilding, N. 'Graphic technologies' in M. Hunter and M. Cooper (eds) *Hooke*, Ashgate

## **Lectures and Conferences**

### *February 2004*

Wilding, N. 'The war of writing', Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge

### *March 2004*

Wilding, N. 'The Medici Archive Project and the Athanasius Kircher Correspondence Project', workshop on internet projects and history of science, Maison Française, Oxford

### *April 2004*

Wilding, N. 'Philosophy unmasked: engaging the pseudonym', Renaissance Society of America Annual Meeting, New York

Wilding, N. 'The war of writing', Museum of the History of Science, Oxford

# Frances Willmoth

On 1 October 2003 Dr Willmoth was appointed Director of Studies in HPS at Jesus College, where she is also Archivist.

## Lectures and Conferences

October 2003

Willmoth, F. 'Surveying and draining the Fens', Huguenot and Walloon Research Association, meeting at New Hall

# Sarah Wilmot

## Publications

### Articles in books

Wilmot, S. (2003) 'Fever cows and measly pigs: veterinarians, farm animals and public health scares in Victorian Britain' in J. Schäffer and P. Koolmees (eds) *History of Veterinary Medicine and Agriculture: Proceedings of the 33rd International Congress on the History of Veterinary Medicine, Wittenburg, Germany, 2002*, German Veterinary Medical Society, Giessen, 89-101

### Articles in journals

Wilmot, S. 'Farmers and farming practice in Devon 1800-1914' *Journal Historic Farm Buildings Group* 1 (2003), 10-23

## In Press

### Articles in journals

Wilmot, S. 'A diet of worms? Diseased meat and the urban consumer in mid-Victorian Britain', *Past and Present*

## Lectures and Conferences

April 2004

Wilmot, S. 'Fashioning the standards of tomorrow: artificial insemination, scientific and farming communities in inter-war Britain', at 'Constructing Communities: place and people in the countryside, 1918-1939', a conference organised by the Interwar Rural History Research Group at Gregynog, Powys, Wales

# E.G. Zahar

## Publications

### Articles in books

Zahar, E.G. (2003) 'The atomism debate' in T. Baldwin (ed.) *The Cambridge History of Philosophy 1870-1945*, Cambridge University Press, 195-206

Zahar, E.G. (2004) 'The problem of the empirical basis' in A. O'Hear (ed.) *Karl Popper: Critical Assessments of Leading Philosophers, Volume II*, Routledge, 184-210

Zahar, E.G. (2004) 'The Popper-Lakatos controversy in the light of *Die beiden Grundprobleme der Erkenntnistheorie*' in A. O'Hear (ed.) *Karl Popper: Critical Assessments of Leading Philosophers, Volume II*, Routledge, 412-436

### Articles in journals

Zahar, E.G. 'Ramseyfication and structural realism', *Theoria* 19(49) (2004), 5-30

## In Press

### Reviews

Zahar, E.G. Review of A. Boyer, *Hors du Temps: Un Essai sur Kant*, in *Ethics*, University of Chicago Press (2004)

## Lectures and Conferences

November 2003

Zahar, E.G. 'Atomisme et réalisme structural', lecture delivered in Nancy, France at the invitation of the Philosophy Department of the University of Nancy II

# Seminar Programmes

## Michaelmas Term 2003

### Departmental Seminars

Seminars meet on Thursdays at 4.30pm in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand in Seminar Room 1 at 4pm. Organised by Simon Schaffer.

23 October **Zuzana Parusnikova (Institute of Philosophy, Czech Academy of Sciences)**  
Rationality without foundations: Popper's alternative to the postmodern subversion of reason

Karl Popper introduced a new conception of rationality that eliminates the possibility of justifying knowledge. Popper undermines traditional epistemology and defines the true domain of rationality as mere refutations of conjectural hypotheses. Accepted knowledge is thus totally provisional. We live in an uncertain world where the only rational attitude is constantly to undermine all our beliefs. Popper's original contribution to philosophy consists in unifying two philosophical themes – endorsement of the Enlightenment respect for reason but the discarding of its element of arrogance, based on the link between justification and truth. This model of rationality thus presents an alternative to the postmodern subversion of reason as the legitimate value of Western culture.

30 October **Maurice Finocchiaro (University of Nevada, Las Vegas)**  
Retrying Galileo, 1633-1992

In the four centuries since Galileo's condemnation in 1633, the controversy about its facts, causes, issues, and implications has become a cause célèbre whose importance and fascination rival those of the original episode, and yet until recently that subsequent controversy had not been systematically studied. This talk will report on a recently completed project that surveys the sources, facts, and issues of that subsequent controversy. It will also discuss some broader interpretative and critical issues involving comparison and contrast of the original affair and the subsequent cause célèbre, the relationship between science and religion, and the tension between cultural myths and documented facts.

6 November **Robert Bud (Science Museum, London)**  
Smashing science's boundaries in World War II? Teamwork, technoscience, public engagement and penicillin

In the 1990s such analysts as Gibbons and Nowotny suggested that the enterprise of science was being transformed. Instead of the product of individuals working within disciplines insulated from the public now it was much more exposed and conducted by multidisciplinary teams linking pure and applied science. Science policy makers were impressed even if historians have taken little interest in this otherwise popular analysis. The few historians who commented poured scorn on the proposition that there had been a recent catastrophic change. Thus Terry Shinn has argued that the qualities identified as new had been present all along. The paper argues that changes proposed by Gibbons et al could be seen as sudden and unexpected, but they occurred at the time around WWII. The case study of the development of penicillin will explore the bewilderment and disorientation experienced by experienced scientists in the US and the UK as evidence that they were encountering a novel phenomenon. Science was actively constructed as magical in order to promote public engagement. The interpretation suggests new ways of understanding events such as the well-known penicillin priority disputes of the 1940s. It also provides questions about the meaning of broader post-war trends and the post-war pure science paradigm.

13 November **Helen Macdonald (HPS, Cambridge)**  
Covert naturalists: ethologists hunting objectivity in the field

Recent work on the laboratory-field distinction in the sciences has described how the 'placelessness' of laboratories is commonly assumed to be a diagnostic of their universality and objectivity. Ethologists, however, do not routinely seek to exclude the exigencies of place by investigating animal behaviour in laboratory conditions. Rather, they tend to rely on experiments that, to paraphrase Niko Tinbergen, nature itself carries out in front of one. Ethological field practice involves an appeal to objectivity through a variety of forms of effacement of the scientist, both literal and psychological. Objectivity is sought through removing the observer from the experimental stage. Hides, blinds, and tents are used to create a disembodied observer who seeks to have no effect on the behaviour of the animals observed. I explore how this simultaneous absenting of the body and privileging of the observing eye relates to another form of objectivity assumed in ethological fieldwork: one founded on strategies of visual perception. Ethologists make a sharp distinction between 'observing' animals and 'watching' them; while the latter is the province of amateurs, the former is



construed as a rigorous and scientific activity. Yet according to some, successful field observations require as a precondition a strong emotional tie with the observed animal – lacking this form of ‘irrational’ obsession, the demands, challenges and frustrations of sustained field observation would be impossible. Indeed, a strong identification with and empathy for the species studied are implicitly presented as necessary to the ethologist: contemporary textbooks even maintain that valuable observation skills may be gained through exercises which involve the ethologist imaginatively ‘becoming’ the observed object. I conclude by exploring the radical subversion of the notion that objectivity may be gained by ‘letting nature speak for itself’ that occurs when a scientist can ‘become’ the animal and in so doing, speak for it.

20 November **Staffan Müller-Wille (Max Planck Institute for the History of Science, Berlin)**  
Early Mendelism and the subversion of race: epistemological obstacles as institutions?

The paper will present and discuss a series of Mendelian experiments carried out by Nils Herman Nilsson-Ehle between 1900 and 1907 at the plant breeding station in Svalöv (Sweden). A comparison of these experiments as documented in the breeding records and as represented in print reveals strong discrepancies. This can be explained by the fact that the recording and breeding procedures institutionalised at Svalöv left only little room for Mendelian hybridisation experiments. I will analyse the twists and turns that the experiments accordingly took in terms of Bachelardian philosophy of science. In contrast to Bachelard, however, I will characterise the ‘epistemological obstacles’ that Mendelism met – to which, as I will argue, the concept of ‘race’ prominently belonged – as institutional realities rather than mental habits.

27 November **Patricia Fara (Clare College, Cambridge)**  
Hidden depths: Halley, hell and other people

Boundaries between theology and natural philosophy, between imaginary and factual travel narratives, between fiction and social commentary, used to be far more fluid than they are today. To explore these relationships, this paper links Mary Shelley’s *Frankenstein* – a book often hailed as the first science fiction novel – to two earlier works which are now less well-known: Edmond Halley’s article about terrestrial magnetism, in which he suggested that God had created inhabited illuminated cavities inside the earth; and a satirical fantasy voyage written by the Danish author Ludvig Holberg, but published anonymously as *Niels Klim’s Journey to the Underground* and immediately translated into many languages. Attention is focussed on how the ambiguous presentation of these and other texts blurs any straightforward classification of genres. The aim of examining these writers together is not to search for direct mappings from one project to another, but instead to introduce Holberg’s unfamiliar yet important book and also to cast new light on *Frankenstein*, one of England’s most famous works of literature.

4 December **Neil Gascoigne (University of Surrey, Roehampton)**  
Living with scepticism

At the inaugural meeting of the reformed Aristotelian Society in the year of JSTOR 2 it was suggested that my task for the years ahead should be to join the phalanx of those nobly researching the vast and newly discovered archive of so-called ‘philosophical’ material, and to report on a consideration that appears to have vexed many of its long-deceased authors; namely, the problem of ‘external-world scepticism’. Since this will be unknown to the majority of colloquists, my intention is to present an ‘Interim Report’ on my work, much of which will be taken over with trying to make sense of this ‘problem’; though my modest desire is that this will have the consequential benefit of helping to illuminate at least one facet of the alluring if alien thought of our distant ancestors.

## Research Methods Seminars

Seminars on research methods and topics in history and philosophy of the sciences, for all new graduate students, are held on the first two weeks of term, on Thursdays at 4pm in Seminar Room 2. Tea is available from 3.45pm in Seminar Room 1. Each seminar will consist of short informal talks presenting research methodologies and areas, and introducing the Research Methods Guide on the HPS website at [www.hps.cam.ac.uk/research](http://www.hps.cam.ac.uk/research). Organised by Marina Frasca-Spada and Nick Jardine.

9 October **Chaired by Nick Jardine**  
**Martin Kusch:** Writing philosophy; **Nick Hopwood:** Writing history; **Jill Whitelock:** Libraries;  
**Patricia Fara:** Illustrations; **Nick Jardine:** Historiography of the sciences; **John Forrester:** The temptations of the academic researcher

16 October **Chaired by John Forrester**  
**Tim Lewens:** Philosophy of the life sciences; **Helen Macdonald:** Environmental history; **Soraya de Chadarevian:** Interviews; **Liba Taub:** Instruments; **Andrew Cunningham:** Writing discipline history in the history of medicine; **Richard Noakes:** History of physics and the occult

# History of Medicine Seminars

History of Medicine seminars are held on Tuesdays at 5pm in Seminar Room 1. Tea is available from 4.40pm. All welcome.

## Early Medicine and Natural Philosophy

Organised by Andrew Cunningham.

- 14 October **Peter Jones (King's College, Cambridge)**  
Picturing medicine in the age of Petrarch
- 28 October **Glenn Hardingham (Emmanuel College, Cambridge)**  
The regimen sanitatis in late medieval England
- 25 November **Efraim Lev (University of Haifa, Israel)**  
Levantine use of natural medicinal substances from medieval to present day

## History of Modern Medicine and Biology

Organised by Nick Hopwood.

- 21 October **Elizabeth Hurren (University College, Northampton)**  
A late-Victorian Alder Hey? The Poor Law and the expansion of the Cambridge anatomy school
- 4 November **Kiheung Kim (University College, London)**  
How controversy ends: research on the scrapie agent in the 1960s
- 18 November **Staffan Müller-Wille (Max Planck Institute for the History of Science, Berlin)**  
The UNESCO Statement on Race (1951) and the structural turn in twentieth-century anthropology and biology
- 2 December **Laura Otis (Hofstra University & MPI, Berlin)**  
Must you kill your supervisor to do good science? The students of physiologist Johannes Müller

# Wittgenstein Reading Group

We will be reading chapters from Martin Kusch's book manuscript *A Sceptical Guide to Rule-Following: A Defence of Kripke's Wittgenstein*. Participation is normally restricted to current PhD students in the Department of History and Philosophy of Science. Meetings will take place fortnightly on Tuesdays at 2pm in the Museum Reserve Gallery. The first meeting is in week 2. If you are interested in participating, please contact Martin Kusch. The book manuscript is available in electronic form, and a hard copy is on reserve in the Whipple Library.

# Psychoanalysis and the Humanities

Seminars are held fortnightly on Wednesdays at 5pm in Seminar Room 1. Tea is available from 4.40pm. All welcome. Organised by Mary Jacobus.

- 15 October **Meira Likierman (Tavistock Clinic)**  
Klein, Winnicott and the controversial status of Freud's instinct theory
- 12 November **Laura Mulvey (Birkbeck College, London)**  
The pensive spectator: time and its passing in the still and moving image
- 26 November **Renate Salecl (University of Ljubljana; Churchill College, Cambridge)**  
Anxiety in times of hypercapitalism

# Psy Studies

*History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences*

Seminars are held fortnightly on Wednesdays at 5pm in Seminar Room 1. Tea is available from 4.40pm. All welcome. Organised by John Forrester and Deborah Thom.

- 5 November **Shruti Kapila (Wellcome Unit for the History of Medicine, Oxford)**  
All in the mind? W.H.R. Rivers, Freud and India
- 19 November **Stefan Schwarzkopf (Department of History, Birkbeck College, London)**  
Hidden persuaders? Early twentieth-century advertising psychology from a business history point of view
- 3 December **Stephen Grosz (Psychoanalyst, London)**  
Experience and its theory

# Latin Therapy Group

The Latin Therapy Group meets on Fridays at 4pm in Seminar Room 1, starting on 17 October, in order to practise the art of translation, improve our Latin grammar, and determine who deserves the most sympathy on account of the difficulty of their sources – all in a mutually supportive environment! Well-known (usually classical) texts of relevance to the history of science are studied, as well as texts on which members of the group are working. All are welcome to attend. For more information, and to be added to the mailing list, please contact the organisers, Adam Mosley and Katie Eagleton.

# Cabinet of Natural History

Seminars are held on Mondays at 1pm in Seminar Room 1. You are welcome to bring your lunch. Organised by Anne Secord.

- 13 October **John Parker (Director, Cambridge University Botanic Garden)**  
The connection of collections: botanical resources in Cambridge
- 20 October **Roger Gaskell (Roger Gaskell Rare Books)**  
The technology of illustration: unexplored bibliographical issues
- 27 October **Peter Whan (University of Queensland)**  
Sinecure or curate's egg? Palliative care at the threshold
- 3 November **David Sturdy (School of History and International Affairs, University of Ulster)**  
Science in the service of the French state: the Enquete du Regent, 1716-1718
- 10 November **Emma Spary (HPS, University of Cambridge)**  
Astronomers, atheists and arachnophages; or, how to swallow the French Enlightenment
- 17 November **Henrietta McBurney (Editor, Cassiano dal Pozzo's Paper Museum)**  
Animal, vegetable, mineral or artefact in early modern Rome: Cassiano dal Pozzo and his museum on paper
- 24 November **Kees Rookmaaker (Department of Zoology, University of Cambridge)**  
From Aldrovandi to Camper: the discovery of the African rhinoceros
- 1 December **Jim Endersby (Darwin College, Cambridge)**  
The vagaries of a Rafinesque: classifying naturalists in early nineteenth-century America

# Reading Kant

We are starting an informal Kant reading group. This term we shall be reading the *Prolegomena to Any Future Metaphysics*. The meetings will be held on Tuesdays at 11am in the Museum Reserve Gallery. Organised by Marina Frasca-Spada and Steve John.

- 14 October **Steve John** will introduce discussion of the Preface and the Preamble
- 21 October **Marina Frasca-Spada** will introduce discussion of the First Part
- 28 October Second Part, §§1–26
- 4 November Second Part, §§27–end
- 11 November Third Part
- 18 November Conclusion
- 25 November 'Solution of the General Question of the Prolegomena' and 'Appendix'

# Epistemology Reading Group

We will be reading *Thomas Kuhn*, edited by Thomas Nickles (CUP, 2003). The book is available in paperback from the CUP bookshop, and two copies are on reserve in the Whipple Library. Each meeting of the group will focus on one article, with a member of the group offering a preliminary evaluation, followed by a general discussion. Meetings will take place on Thursdays at 2pm in Seminar Room 1 and are open to all. Organised by Peter Lipton.

- 9 October Michael Friedman, 'Kuhn and Logical Empiricism'
- 16 October John Worrall, 'Normal Science and Dogmatism, Paradigms and Progress: Kuhn "versus" Popper and Lakatos'
- 23 October Joseph Rouse, 'Kuhn's Philosophy of Scientific Practice'
- 30 October Barry Barnes, 'Thomas Kuhn and the Problem of Social Order in Science'
- 6 November Thomas Nickles, 'Normal Science: From Logic to Case-Based and Model-Based Reasoning'
- 13 November Nancy Nersessian, 'Kuhn, Conceptual Change, and Cognitive Science'
- 20 November Peter Barker, Xiang Chen, and Hanne Andersen, 'Kuhn on Concepts and Categories'
- 27 November Richard Grandy, 'Kuhn's World Changes'

# History of Science Workshop

The History of Science Workshop is a seminar group devoted to peer discussion of work in progress on the history and historiography of science, for example PhD chapters, dissertations, articles intended for publication, or conference papers. The seminar aims to provide an informal arena for the exchange of ideas among students of the history of science in HPS and elsewhere. We meet on alternate Wednesdays at 1pm in Seminar Room 1. Papers are circulated by e-mail before each meeting, and a copy is left in Box File 30 in the Whipple Library. Please contact Katherine Angel if you are interested in giving a paper (new PhD students welcome) or adding your name to the e-mail list.

- 29 October **Jenny Downes:** Cosmography and chorography: the geographical tradition and the telescope  
12 November **Helen Blackman:** 'A skilled and trained eye with a brain behind it': teaching in the Cambridge School of Zoology  
26 November **Katherine Angel:** The critique of medicalisation: the last forty years

# Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research. Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Tim Lewens.

- 22 October **Stephen John:** Externalism and political philosophy  
5 November **Tim Lewens:** The problem of biological design  
19 November **Arash Pessian:** Kripke and Leibniz, friends for now  
3 December **Neil Manson:** Trust and information

# EPACTS

The Early Physics, Astronomy, Cosmology, and Technology Seminar meets at 6pm on alternate Wednesdays, at M4 New Court, Trinity College. Meetings consist of a short presentation on the assigned reading by a member of the group, followed by discussion. All are welcome to attend. Organised by Adam Mosley. This term we shall be focusing on machines and automata. Readings not already available in the Whipple will be placed in the EPACTS box file.

- 15 October S. Bedini, 'The Role of Automata in the History of Technology', *Technology and Culture* 5 (1964), 22-42.  
M. T. Gnudi (transl.), *The Various and Ingenious Machines of Agostino Ramelli*, chs. 1, 60, 97, 113, 140, 154, 168, 184-188, 191. [WL T.131 Oversize]  
29 October Geoffrey Chaucer, 'The Squires Tale'; pp. 169-177 in *The Riverside Chaucer*, or online (in parallel middle and modern English) at <http://www.librarius.com/canttran/squitfrs.htm>  
M. Osborn, 'The Squire's "Steed of Brass" as Astrolabe: Some Implications of the "Canterbury Tales"', in P. J. Gallacher and H. Damico (eds.), *Hermeneutics and Medieval Culture*, pp. 121-131.  
Selections from D. Hill (transl.), *The Book of Ingenious Devices (Kit-ab al-Hiyal)*.  
12 November S. Murphy, 'Heron of Alexandria's On Automaton-Making', *History of Technology* 17, 1-44.  
26 November Vitruvius, *On Architecture*, Bk. X.  
A. Sleeswyk, 'Vitruvius' waywiser', *Archives internationales d'histoire des sciences* 29 (1979), 11-22.

# Medieval Science & Philosophy Reading Group

We shall meet on Wednesdays, 1-2pm in L1 Great Court, Trinity College. The texts we shall read will be Boethius, 'The Consolation of Philosophy', Books 4 and 5. Those attending are welcome to bring something to eat; water and wine will be provided. Organised by John Marenbon.

# Philosophy of Language Reading Group

We will be reading essays from the *Blackwell Companion to the Philosophy of Language* (Blackwell, 1997) edited by Bob Hale and Crispin Wright. The book is available in paperback in the Philosophy section at Heffers, and a copy has been placed on reserve in the Whipple Library. Each meeting of the group will focus on one paper, with a member of the group offering an informal presentation, followed by a general discussion. Meetings will take place on Mondays at 1pm in Seminar Room 2. All are welcome, and please feel free to bring your lunch. Organised by Mark Sprevak, Axel Gelfert and Christina McLeish.

- 13 October Charles Travis, 'Pragmatics'
- 20 October Edward Craig, 'Meaning and Privacy'
- 27 October Jane Heal, 'Radical Interpretation'
- 3 November Paul Boghossian, 'Analyticity'
- 10 November Crispin Wright, 'The Indeterminacy of Translation'
- 17 November Bob Hale & Crispin Wright, 'Putnam's Model-Theoretic Argument'
- 24 November R.M. Sainsbury & Timothy Williamson, 'Sorites'
- 1 December E.J. Lowe, 'Objects and Criteria of Identity'

# Science and Literature Reading Group

This term we will be reading selected entries from a Relativity Reader, currently being compiled by Kate Price. The Reader includes extracts from popular expositions of relativity, newspaper reports about Einstein and his theory, short stories, poetry, criticism and extracts from novels drawing on relativity. We meet on alternate Wednesdays at 8pm in the upstairs seminar room at Darwin College. Everybody welcome. No prior knowledge of physics needed!! Organised by Kate Price.

- 15 October Popular physics: extracts from Arthur Eddington, Bertrand Russell and James Jeans. Ever tried falling in love with a Lady on Neptune? Find out how...
- 29 October Newspapers and Magazines: from the earliest reports in *The Times* and *The New York Times* in November 1919, to poetry and criticism in literary magazines, and popular fiction. Lord Peter Wimsey travels at the speed of light.
- 12 November A formula for the age? Philosophers, novelists and critics tell stories about relativity and modernity. Includes A.N. Whitehead's influential history of ideas and Lawrence Durrell's novelistic interpretation of the 'Space and Time marriage' as 'the greatest Boy meets Girl story of the age'.
- 26 November Critical and metaphysical uses of relativity: poets, philosophers and critics engage critically with the new values and perspectives associated with Einstein's theory. Includes I.A. Richards' General Theory of Critical Relativity and William Empson's doomed love affairs in curved space-time.

# Lent Term 2004

## Departmental Seminars

Seminars meet on Thursdays at 4.30pm in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand in Seminar Room 1 at 4pm. Organised by Simon Schaffer.

22 January **Jutta Schickore (HPS, Cambridge)**

The productivity of faulty procedures: microscopy of the nerves in the 1820s and 1830s

Very often, historians have ascribed a largely negative role to error, failure, and fault. Error – the erroneous result – is an obstacle to scientific advancement, something that has to be identified and removed so as to allow science to progress. In my paper, I seek to show that errors can play a much more productive part for the practice of research. To do so, I concentrate on the so-called ‘globular theory’ of organic matter, which was widely advocated among microscopists in the early decades of the nineteenth century. According to this theory, muscular and nerve fibres consist of strings of tiny globules. Historians of the microscope have claimed that the ‘erroneous’ globular hypothesis could eventually be overcome when better instruments were introduced and novel histological theories came to be adopted. While I do not deny that technical advancements did occur in the early decades of the nineteenth century, I wish to stress that they were inextricably intertwined with a novel awareness of the limits and impediments of microscopical vision, which informed both the practicalities of making and of applying the instrument. I argue that the microscopists’ novel methodological concerns with the nature of light and especially with the effects of preparation procedures were crucial both for the refutation of the globular hypothesis and for the emergence of alternative views of nervous tissue. I conclude the presentation with some more general considerations as to the role of errors, faults, and failures in scientific practice.

29 January **Charles Weijer (Dalhousie University)**

Dispatches from the placebo wars

The dispute in research ethics as to the proper role of placebo controls in clinical trials testing new drugs has become both bitter and entrenched. Placebo critics point out that fiduciary obligations between physician and patient require that placebo controls be restricted to cases in which there is no standard treatment for the condition under study. Placebo proponents argue that claims for therapeutic obligations in clinical research are groundless. So long as harm is limited and consent is obtained, placebo controls may be used widely, even when standard treatment is available. I want to suggest that this stalemate in moral argument is symptomatic of a deeper dispute as to the requirements of sound scientific inquiry. Thus, its resolution calls for an inquiry into epistemic presumptions in claims as to the scientific necessity of placebo controls.

12 February **Nick Wilding (HPS, Cambridge)**

The war of writing

The debate was one of the central instruments for producing matters of fact in early modern natural philosophy. But what happened when an adversary was found to be masked or anonymous? In this paper I wish to analyse the motives and techniques used in constructing and decoding pseudonyms, pseudonyms’ function within natural philosophical debate and their epistemological status. Concentrating on examples concerning Galileo, I shall reread his troubled engagement with masked Jesuit authors in the light of the *guerra della scrittura* of the Venetian Interdict, where pseudonyms were employed by major political players on both sides. Questions of property, propriety, identity and authority were crucial in these debates, and the correct engagement with a supposedly hidden author posed peculiar problems in the related realms of both politics and natural philosophy.

5 February **Jim Secord (HPS, Cambridge)**

Inaugural Lecture: Science in the *Sun*, life on the moon  
5pm in Mill Lane Lecture Room 3

19 February **Michela Massimi (Girton College, Cambridge)**

Reconsidering Kuhnian incommensurability

In his later writings, Thomas Kuhn interpreted incommensurability as untranslatability between scientific lexicons. On this view, statements of the older lexicon would not be accessible by means of a translation that uses the current lexicon, and the only way of understanding the activity of scientists working with the old lexicon would be by language learning, i.e. bilingualism. Kuhn’s central claim is that bilingualism does not imply translatability. Learning different lexicons would give access to incommensurable and non-overlapping worlds. In this talk I will argue that incommensurability does not necessarily follow from the conditions that Kuhn established for scientific lexicons. This argument is illustrated by an episode in the passage from the old quantum theory lexicon to the new quantum theory lexicon in the 1920s.

26 February **Pamela Smith (Pomona College, California)**  
Matter and mind: early modern artisans, material culture and the production of knowledge

How did early modern European artisans understand nature and their own ability to transform natural materials into objects? How can historians get at this understanding? This paper considers what insight into artisanal knowledge can be gained by reconstructing their techniques, how making relates to knowing, and why this matters to historians of science.

4 March **Ian Maclean (All Souls College, Oxford)**  
Harriot on combinations

Thomas Harriot (1560-1621) is known today as an elegant and innovative mathematician, a natural philosopher and astronomer, a traveller to the New World, about which he wrote, and a member of the Northumberland circle with wide intellectual interests. This paper will look at his interest in combinations in three contexts: language, natural philosophy (the question of atomism) and mathematics, in order to assess where to situate him in the range of occult and scientific mentalities associated with the late Renaissance.

11 March **Simon Singh**  
The history of codes and codebreaking

As each encryption system is broken, then new stronger forms of encryption have been developed. Simon Singh will look at the evolution of encryption from simple ancient ciphers to the more complex and secure forms of encryption in the Information Age, including the simultaneous discovery of public key cryptography. In particular, he will talk about the development of the Enigma machine, how it was used by the German military in the Second World War, how it was cracked by codebreakers at Bletchley Park and the influence of this breakthrough on the course of the war. Simon will also demonstrate a genuine Enigma cipher machine.

## Special Seminar

**Gordon Brittan (Montana State University)**  
Does traditional epistemology rest on a mistake?  
Monday 8 March at 4pm in Seminar Room 1

## History of Medicine Seminars

Seminars are held on Tuesdays at 5pm in Seminar Room 1. Tea is available from 4.40pm. All welcome.

### Early Medicine and Natural Philosophy

The theme of this term's seminars is 'Disease in History'. Organised by Andrew Cunningham and Sachiko Kusukawa.

- 20 January **Samuel K. Cohn (University of Glasgow)**  
Notions of disease and the Black Death
- 3 February **Peregrine Horden (Royal Holloway, University of London)**  
The case for biological realism
- 17 February **Jon Arrizabalaga (CSIC, Barcelona)**  
Grmek and the longue durée in the history of epidemics
- 2 March **Andrew Cunningham (HPS, Cambridge)**  
Death in Venice (and in Bologna, but especially in Padua) in the early eighteenth century: reading Morgagni on causes of death

### History of Modern Medicine and Biology

Organised by Nick Hopwood.

- 27 January **Andrew Mendelsohn (Imperial College, London)**  
Medicine militant and its origins in late nineteenth-century Europe
- 10 February **Aryn Martin (Cornell University and HPS, Cambridge)**  
Can't any-body count? Counting as an epistemological topic in the history of human chromosomes
- 24 February **Ayesha Nathoo (HPS, Cambridge)**  
Hospital-media relations in the first British heart transplant (May 1968)
- 9 March **Lutz Sauerteig (University of Durham)**  
Sex education literature, 1950s-1970s: the making of 'Geschlecht'

# Latin Therapy Group

The Latin Therapy Group meets on Fridays at 4pm in Seminar Room 1 in order to practise the art of translation, improve our Latin grammar, and determine who deserves the most sympathy on account of the difficulty of their sources – all in a mutually supportive environment! Well-known (usually classical) texts of relevance to the history of science are studied, as well as texts on which members of the group are working. All are welcome to attend. For more information, and to be added to the mailing list, please contact the organisers, Adam Mosley and Katie Eagleton.

# Psychoanalysis and the Humanities

Seminars are held fortnightly on Wednesdays at 5pm. The seminars on 21 January and 3 March will be held in Seminar Room 2; the others in Seminar Room 1. Tea is available from 4.40pm. All welcome. Organised by Mary Jacobus.

- 21 January **Andrea Sabbadini (British Psychoanalytic Society)**  
The merging of temporalities in Bernardo Bertolucci's short film *Histoire d'Eaux* (2002)
- 4 February **Trudi Tate (Clare Hall, Cambridge)**  
The listening watch: Australian memories of the Viet Nam war
- 18 February **Catherine Belsey (University of Cardiff)**  
Psychoanalysis and early modern culture: Lacan with Augustine and Montaigne
- 3 March **John Fletcher (University of Warwick)**  
Primal scenes, screen memories, originary fantasies: Freud's psychical scenography

# Psy Studies

*History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences*

Seminars are held fortnightly on Wednesdays at 5pm in Seminar Room 1. Tea is available from 4.40pm. All welcome. Organised by John Forrester and Deborah Thom.

- 28 January **Darian Leader (Psychoanalyst, London)**  
The voice as a psychoanalytic object
- 11 February **James Mills (Department of History, Strathclyde University)**  
Psychiatry, colonialism and the community: the modern psychiatric hospital in south Asia, 1857 to 1947
- 25 February **Rhodri Hayward (Wellcome Trust Centre for History of Medicine, London)**  
The idea of influence in general practice: from Clever Hans to Michael Balint
- 10 March **Martin Edwards (Wellcome Trust Centre for History of Medicine, London)**  
Control and the therapeutic trial

# Cabinet of Natural History

Seminars are held on Mondays at 1pm in Seminar Room 1. You are welcome to bring your lunch. Organised by Emma Spary.

- 19 January **Daniela Bleichmar (Princeton University)**  
Seeing nature across the Atlantic in the eighteenth century
- 26 January **Rebecca Stott (Anglia Polytechnic University and HPS, Cambridge)**  
The first bones of time: natural history in early Victorian poetry
- 2 February **Sarah Davis (independent scholar)**  
Darwin, Tegetmeier and the bees
- 9 February **Paul White (HPS, Cambridge)**  
Acquired character: the material of the 'self-made man'
- 16 February **Michael Bravo (Scott Polar Research Institute, Cambridge)**  
The right whale for enlightenment? Reflections on whaling, improvement and the national interest in the long eighteenth century
- 23 February **Jens Lachmund (University of Maastricht)**  
Knowing the urban wasteland: nature conservation in the city of Berlin
- 1 March **Fredrik Jonsson (University of Chicago)**  
'Britain will become a world': the sciences of internal colonization in the Scottish Enlightenment
- 8 March **Nick Hopwood (HPS, Cambridge)**  
Images of evolution and charges of fraud: Haeckel's embryos in Bismarck's Germany



# Epistemology Reading Group

We will be reading *Kantian Humility: Our Ignorance of Things in Themselves* (OUP, 1998; paperback 2001). Two copies are on reserve in the Whipple Library. Each meeting of the group will focus on one part of the book, with a member of the group offering a preliminary evaluation, followed by a general discussion. Meetings will take place on Thursdays at 2pm in Seminar Room 1 and are open to all. Organised by Peter Lipton.

15 January	'An Old Problem' and 'Three Kantian Theses'
22 January	'Substance and Phenomenal Substance'
29 January	'Leibniz and Kant'
5 February	'Kant's Rejection of Reducibility'
12 February	'Fitting the Pieces Together'
19 February	'A Comparison with Locke'
26 February	'Kant's "Primary" Qualities'
4 March	'The Observable and the Supersensible' and 'Realism or Idealism?'

## Reading Kant

This term we shall be reading the Transcendental Logic, Introduction and Division I, Book I: 'Analytic of Concepts', from the *Critique of Pure Reason*. The meetings will be held on Tuesdays at 11am in the Whipple Museum Reserve Gallery. Organised by Marina Frasca-Spada and Steve John.

20 January	<b>Marina Frasca-Spada</b> will introduce the discussion of the Introduction: Idea of a Transcendental Logic, and the first two sections of the Transcendental Logic: The Transcendental Analytic; The Analytic of Concepts (A50/B74–A66–B91) [In the translation by P. Guyer and A. W. Wood, CUP 1998, pp. 193–203]
27 January	The Analytic of Concepts, First Chapter: On the Clue to the Discovery of all Pure Concepts of the Understanding (A66/B91–A83/B109, B109–116) [pp. 204–218]
3 February	Second Chapter, First Section (A84/B116–A95–B129) [pp.219–226]
10 February	Second Chapter, Second Section, version A (A95–A114) [pp. 226–236]
17 February	Second Chapter, Third Section, version A (A115–A130) [pp. 236–244]
24 February	Second Chapter, Second Section, version B, §15–23 (B129–149) [pp.245–256]
2 March	Second Chapter, Second Section, version B, §24–27 (B150–169) [pp.256–266]

## Wittgenstein Reading Group

'Wittgenstein and Epistemological Scepticism'

This term we will be reading Wittgenstein's *On Certainty* and surrounding material. Meetings will take place fortnightly on Fridays at 2-4pm in the Whipple Museum Reserve Gallery. The material for the first meeting is on reserve in the Whipple Library. Participation is open to PhD and MPhil students in the Department of History and Philosophy of Science and the Faculty of Philosophy. For further information contact Martin Kusch.

23 January	G.E. Moore, 'A Defence of Common Sense', and 'Proof of an External World', both in G.E. Moore, <i>Philosophical Papers</i> , London, Allen and Unwin, 1959; and in G.E. Moore, <i>Selected Writings</i> , London, Routledge, 1993.
6 February	L. Wittgenstein, <i>On Certainty</i> , Oxford, Blackwell, 1969, ##1-346
20 February	L. Wittgenstein, <i>On Certainty</i> , ##347-676
5 March	C. Wright, '(Anti-)sceptics Simple and Subtle: G.E. Moore and John McDowell', <i>Philosophy and Phenomenological Research</i> 65: 330-48, September 2002; and C. Wright, 'Wittgensteinian Certainties', forthcoming in D. McManus (ed.), <i>Wittgenstein and Scepticism</i> , Routledge, London, 2004 (August). <a href="http://www.nyu.edu/gsas/dept/philo/faculty/wright/papers/Wittgensteinian_Certainties.pdf">www.nyu.edu/gsas/dept/philo/faculty/wright/papers/Wittgensteinian_Certainties.pdf</a>

## Philosophy Workshop

Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

28 January	<b>Christina McLeish (HPS, Cambridge):</b> Counterfactuals and contemporaneity
11 February	<b>Torben Rees (HPS, Cambridge):</b> Physicalism and phenomenal consciousness
25 February	<b>Axel Gelfert (HPS, Cambridge):</b> There's something about testimony
10 March	<b>Matteo Mameli (King's College, Cambridge):</b> Biological inheritance

# History of Science Workshop

The History of Science Workshop meets on alternate Wednesdays at 1pm in Seminar Room 1. Papers are circulated by e-mail before each meeting, and a copy is left in Box File 30 in the Whipple Library. Please contact Katherine Angel if you are interested in giving a paper (new PhD students and MPhils welcome) or adding your name to the e-mail list.

- 21 January **Thomas Brandstetter (Internationales Forschungszentrum Kulturwissenschaften, Vienna)**  
Dismantling the state apparatus – the ‘Machine de Marly’ in Revolutionary France
- 4 February **Koen Vermeir (Catholic University, Leuven and HPS, Cambridge)**  
Title to be confirmed
- 18 February **Sarah Dry (HPS, Cambridge)**  
Accounting for railway accidents: the self-inspecting system in Britain, 1850-1875
- 3 March **Anna Maerker (Science and Technology Studies, Cornell)**  
Anatomical models in Florence and Vienna around 1800

## EFACTS

The Early Physics, Astronomy, Cosmology and Technology Seminar meets at 6pm on alternate Wednesdays, in M4 New Court, Trinity College. This term meetings will take the form of a conversazione. The overall theme of the term is instruments and machines, and participants are invited to bring with them a picture, anecdote or book relating to the topic of each meeting for presentation and discussion. All are welcome to attend. Organised by Adam Mosley.

- 21 January Instruments and their Uses: instruments and machines shown or described in use, the meanings of ‘use’ as applied to instruments and machines, the uses of studying objects and machines
- 4 February Paper Objects: instruments of paper/parchment, instrument and machine illustrations, texts about instruments or machines that no longer exist
- 18 February Problem Cases: fakes and forgeries, instruments and machines that don’t work, altered instruments, making sense of instrument instructions
- 3 March Owners, Collections and Groups: instrument collections, studying groups of instruments/books, instrument-makers’ workshops, studying owners

## Science and Literature Reading Group

We begin our reading in science and drama with four plays on themes in the life sciences. Meetings are held fortnightly on Wednesdays, in the upstairs seminar room in Darwin College at 8pm. Everybody welcome. Organised by Kate Price.

- 21 January *Three Hours Before Marriage*, by John Gay (1717), plus selected chapters from *Memoirs of the extraordinary life, works, and discoveries of Martinus Scriblerus* (Intro, I, II, III, VII, XIV, XV)  
This crocodile of a satire gives doctors, collectors of curiosities, playwrights, critics and even alligators a run for their money. Selections from the *Memoirs* give a context for the play and its satirical aims. Play available at Literature Online (via UL electronic resources) or in the UL (9720.b.445). *Memoirs* in the UL (727.c.95.5 or 1992.9.1238) and English Faculty (E 44 POP).
- 4 February *An Enemy of the People*, by Henrik Ibsen (1882) Dr Stockmann’s position as medical officer to the Baths at a town in Norway is jeopardised when he discovers that the water is polluted. The local newspaper office is central to the ensuing compromises between scientific truth and political interests. UL (9000.d.3707) English (SC 74 IBS) and in print from Oxford World’s Classics.
- 18 February *After Darwin*, by Timberlake Wertenbaker (1998) UL (1998.8.5909) English (E84 WER) and in print from Faber. Actors Tom and Ian play Charles Darwin and Robert FitzRoy, interlacing scenes aboard *The Beagle* in 1831 with their lives in 1998. Features the shipping forecast as a seduction technique.
- 3 March *An Experiment with an Air Pump*, by Shelagh Stephenson (1998) UL (2000.8.281) and in print from Methuen. Inspired by Joseph Wright’s painting of the same name, the play’s events unfold in the household of a radical scientist in 1799 and in the same house 200 years later, when bones are discovered in the basement as a geneticist is offered a well-paid but controversial job.

## Medieval Science & Philosophy Reading Group

The Medieval Science and Philosophy Reading Group will continue to meet on Wednesdays from 1pm to 2pm at L1 Great Court, Trinity College. This term we shall be discussing parts of Maimonides’s *Guide of the Perplexed*. Please contact John Marenbon for further details.

# Philosophy of Language Reading Group

We will be continuing to read essays from the *Blackwell Companion to the Philosophy of Language* (Blackwell, 1997) edited by Bob Hale and Crispin Wright. The book is available in paperback in the Philosophy section at Heffers, and a copy has been placed on reserve in the Whipple Library. Each meeting of the group will focus on one essay, with a member of the group offering an informal presentation, followed by a general discussion. Meetings will take place on Mondays at 1pm in Seminar Room 2. All are welcome, and please feel free to bring your lunch. Organised by Mark Sprevak and Christina McLeish.

19 January	David Wiggins, 'Meaning and Truth Conditions'
26 January	Mark Richard, 'Propositional Attitudes'
2 February	Bob Hale, 'Realism and its Oppositions'
9 February	Bob Hale, 'Modality'
16 February	Graeme Forbes, 'Essentialism'
23 February	Jason Stanley, 'Names and Rigid Designation'
1 March	John Perry, 'Indexicals and Demonstratives'
8 March	Harold Noonan, 'Relative Identity'

# Easter Term 2004

## Departmental Seminars

Seminars meet on Thursdays at 4pm in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand in Seminar Room 1 at 3.45pm. Please note the change of time. Organised by Simon Schaffer.

22 April      **Iwan Morus (Queen's University Belfast)**  
Bodily disciplines and disciplined bodies: instruments, skills and Victorian electrotherapeutics

Throughout the nineteenth century the human body was an important locus for disputes about the nature of electricity and its relationship to the stuff of life. Electricity and the kinds of instruments, practices and skills that defined it were also, as it turns out, important resources for managing the body throughout the Victorian period. Late Victorian bodies could be treated like machines, integrated into the mensurational culture of late nineteenth-century physics, precisely because of the labour that went into sustaining the networks of instruments and skills that surrounded them. This process was not without its resistances. Late Victorian medical electricians differed vociferously over the vexed question of the relationship between the bodies they treated and the kinds of skills and practices needed for such treatment. Controversies like these lay bare the cultural relationship between ontology and epistemology. Questions about the ontological status of the body – what kind of machine was it? – could not be solved without addressing the question of what kinds of skills were appropriate for its treatment – what kind of person should the practitioner be and what did they need to know? Looking at episodes like these therefore helps us look inside the cultural mechanisms that sustain the image of body as machine.

29 April      **Robert Nola (Auckland University)**  
The optimistic meta-induction and ontological continuity: the case of the electron

The pessimistic meta-induction attempts to make a case for the lack of ontological continuity with theory change; in contrast, its rival the optimistic meta-induction makes a case for considerable ontological continuity. The optimistic meta-induction is argued for in the case of the origin, and continuity, of our talk of electrons (even though the term 'electron' was not initially used). The case is made by setting the history of identifying reference to electrons in the context of a generalised version of Russell's theory of descriptions, Ramsey's theory of theoretical terms and a development of these ideas by David Lewis.

6 May        **Laurie Paul (University of Arizona)**  
Change is multiple realization

The problem of change arises from a clash between two compelling ideas: (i) identicals must be indiscernible and (ii) ordinary things can persist through a change of their properties. I argue there is a better way of understanding the debate over change than has been previously considered. My view is that the problem of change is a version of a familiar problem in the philosophy of mind: the problem of the multiple realizability of the mental. Indeed, I shall argue that it is the same problem, applied across times instead of across minds, and that the same solution applies – if we have solved the problem of multiple realization we have solved the problem of change. The view provides a framework from which to tie together several puzzles (such as constitution, realization and supervenience) in metaphysics and mind.

13 May      **Paul Hoyningen-Huene (University of Hannover)**  
On the nature of science

The paper addresses the question of what the nature of science is. I will first make a few preliminary historical and systematic remarks. Next, in answering the main question, I shall propose the following thesis: scientific knowledge is primarily distinguished from other forms of knowledge, especially from everyday knowledge, by being more systematic. This thesis has to be qualified, clarified, developed and justified. Finally, I will compare my answer with alternative answers.

20 May      Ninth Annual Hans Rausing Lecture: 4.30pm at the Old Labs, Newnham College  
**Ian Inkster (Nottingham Trent University)**  
Patents, technology and everything in the world, 1830-1914

27 May **Fa-Ti Fan (Binghamton University, State University of New York)**  
British naturalists in Qing China: science, empire, and cultural encounter

In the eighteenth and nineteenth centuries, Western scientific interest in China focused primarily on natural history. Prominent scholars in Europe as well as Westerners in China, including missionaries, merchants, consular officers, and visiting plant hunters, eagerly investigated the flora and fauna of China. This paper examines the research of British naturalists in China in relation to the history of natural history, of empire, and of Sino-Western relations. It discusses how the British naturalists and the Chinese explored, studied, and represented China's natural world in the social and cultural environment of Qing China. Using the example of British naturalists in China, the paper argues for reinterpreting the history of natural history by including neglected historical actors, intellectual traditions, and cultural practices. It also proposes an approach that moves beyond viewing the history of science and empire within European history and considers the exchange of ideas, aesthetic tastes, material culture, and plants and animals in local and global contexts.

## Psychoanalysis and the Humanities/Psy Studies

Seminars are held on Wednesdays at 5pm in Seminar Room 1 (except the seminar on 19 May, which will be in Seminar Room 2). Tea is available from 4.40pm. All welcome. Organised by Mary Jacobus, David Hillman, John Forrester and Deborah Thom.

28 April **Peter Rudnytsky (University of Florida)**  
Philip Roth and psychoanalysis

5 May **Jacqueline Rose (Queen Mary College, London)**  
'Imponderables in thin air': Zionism as psychoanalysis

12 May **Coline Covington (Society of Analytical Psychology and British Association of Psychotherapists)**  
Killing with kindness: the masochistic response to persecution (on *Dogville*)

19 May **Andrew Webber (Faculty of Modern & Medieval Languages, Cambridge)**  
'Un chien andalou': the case of the dog man (includes video showing)

## Cabinet of Natural History

Seminars are held on Mondays at 1pm in Seminar Room 1. You are welcome to bring your lunch. Organised by Emma Spary.

26 April **Sandra Sherman (University of Arkansas)**  
Green thoughts and incarnate herbs: the human affinity with plants in the seventeenth-century imagination

3 May **Jenny Mander (Newnham College, Cambridge)**  
Metamorphoses of the expatriate European: piracy, savages and 'natural history' in Raynal's representation of the Caribbean (Book 10, *Histoire des Deux Indes*)

Tue 4 May Outing to London to visit the Chelsea Physic Garden, Lindley Library (Royal Horticultural Society) and Old Operating Theatre Museum (St Thomas's Hospital)

10 May **Ruth Barton**  
Gentlemanly London science c. 1840-1855: the paths of J.D. Hooker and John Lubbock, sons of Sir William Hooker and Sir John William Lubbock

17 May **Claudia Stein (University of Warwick)**  
The kidney stone affair of 1580, or how the body natural corrupted the body politic

7 June Cabinet Garden Party, Gonville and Caius Rose Garden

## Epistemology Reading Group

We will be reading articles from Michael Lynch (ed.) *The Nature of Truth* (MIT, 2001). The book is available in paperback, and two copies are on reserve in the Whipple Library. Each meeting will focus on one chapter, with a member of the group offering a preliminary evaluation, followed by a general discussion. Meetings will take place on Thursdays at 2pm in Seminar Room 1 and are open to all. Organised by Peter Lipton.

22 April Bertrand Russell, 'Truth and Falsehood', J.L. Austin, 'Truth'

29 April William Alston, 'A Realist Conception of Truth'

6 May Terence Horgan, 'Contextual Semantics and Metaphysical Realism: Truth as Indirect Correspondence'

13 May Brand Blanshard, 'Coherence as the Nature of Truth'

20 May Ralph Walker, 'The Coherence Theory'

27 May Linda Alcoff, 'The Case for Coherence'

3 June Charles Peirce, 'How to Make our Ideas Clear'

10 June William James, 'Pragmatism's Conception of Truth'

# Wittgenstein Reading Group

'Cavell's Wittgenstein'

We will be reading Stanley Cavell's *The Claim of Reason: Wittgenstein, Skepticism, Morality, and Tragedy* (Oxford University Press 1979, or 2nd ed. 1999). Two copies of the book will be on reserve in the Whipple Library. For a one-hour introduction to Cavell's life and work, go to: <http://globetrotter.berkeley.edu/people2/Cavell/cavell-con0.html> Meetings will take place fortnightly on Tuesdays at 2-4pm in the Whipple Museum Reserve Gallery. For further information contact Martin Kusch.

4 May	Part 1: Wittgenstein and the concept of human knowledge
18 May	Part 2: Skepticism and the existence of the world
1 June	Part 3: Knowledge and the concept of morality
15 June	Part 4: Skepticism and the problem of others

## EPACTS

This term EPACTS (the Early Physics, Astronomy, Cosmology and Technology Seminar) features the fabulous annual punt party, on Midsummer's Eve (24 June). All welcome to come and eat, drink and mess about on the river – contact Katie Eagleton for details.

## History of Science Workshop

We meet on alternate Wednesdays at 1pm in Seminar Room 1. Papers are circulated by e-mail before each meeting, and a copy is left in Box File 30 in the Whipple Library. Please contact Tatjana Buklijas if you are interested in giving a paper (new PhD students and MPhils welcome) or adding your name to the e-mail list.

28 April	<b>Lars Falk (Swedish Defence Research Agency):</b> The force on Newton's apple
12 May	<b>Matthew Underwood (HPS, Cambridge):</b> Alfred Russel Wallace, disappointed naturalist
26 May	<b>Koen Vermeir (University of Leuven):</b> Mirror, mirror on the wall...
9 June	<b>Gina Dahl (University of Bergen and HPS, Cambridge):</b> Religion and science in Norway 1650-1750
16 June	<b>Patrick Boner (HPS, Cambridge):</b> Written in the stars: Kepler's early astrological correspondence

## Philosophy Workshop

Meetings take place every other Wednesday at 1pm in Seminar Room 2, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

28 April	<b>Lubomira Radoilska (Clare Hall, Cambridge):</b> Moral imagination
12 May	<b>Anandi Hattiangadi (Trinity College, Cambridge):</b> Is meaning scepticism incoherent?
26 May	<b>Stephen Clarke (Charles Sturt University):</b> Situationism and character: Doris in a daze
9 June	<b>Aaron Lambert (University of Chicago and HPS, Cambridge)</b> Davidson and Kim on the mind-body problem: a third way for physicalists?

## Philosophy of Language Reading Group

We will be reading Timothy Williamson's book *Vagueness* (Routledge, 1994). Some cheap copies of the book have occasionally been seen in Galloway and Porter. Note that we will be starting our reading from the second chapter; the first chapter could perhaps be read over the Easter vacation. The format of the group has changed from previous terms. Each meeting of the group will begin not with a presentation but with a couple of brief questions or critical comments from one of the members of the group. This will be followed by a general discussion and lunch. Meetings will take place on Mondays at 1-2pm in Seminar Room 2. All are welcome, and please feel free to bring your lunch. Organised by Mark Sprevak and Christina McLeish.

26 April	The ideal of precision
3 May	The rehabilitation of vagueness
10 May	Many-valued logic and degrees of truth
17 May	Supervaluations
24 May	Nihilism
31 May	Vagueness as ignorance
7 June	Inexact knowledge

## Latin Therapy Group

The Latin Therapy Group meets on Fridays at 4pm in Seminar Room 1 to practise the art of translation, improve our Latin grammar, and determine who deserves the most sympathy on account of the difficulty of their sources – all in a mutually supportive environment! Well-known (usually classical) texts of relevance to the history of science are studied, as well as texts on which members of the group are working. All are welcome to attend. For more information, and to be added to the mailing list, please contact Katie Eagleton.

## Medieval Science & Philosophy Reading Group

The Medieval Science and Philosophy Reading Group will meet on Wednesdays, 1.00-2.00pm, in L1, Great Court, Trinity College, starting on 28 April. We shall be reading Avicenna on the soul. Xeroxes of a translation will be supplied: those wanting them before the first meeting should contact John Marenbon.

## Science and Literature Reading Group

This term we are reading plays on themes relating to physics and astronomy. All four plays are currently in print. Meetings are fortnightly on Wednesdays, in the upstairs seminar room in Darwin College at 8pm. Everybody is welcome; for more information please contact Kate Price.

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|----------|---|
| 28 April | Bertolt Brecht, <i>Life of Galileo</i> (1945)<br>Several copies in the UL; English Faculty Library (Gm 84 BRE)  |
| 12 May   | Friedrich Dürrenmatt, <i>The Physicists</i> (1962; trans. James Kirkup, 1963)<br>UL (9746.d.1119 and 9746.d.559); English Faculty Library (Gm 84 DUR) |
| 26 May   | Tom Stoppard, <i>Hapgood</i> (1988)<br>UL (1988.8.1285 and 9001.d.8062); English Faculty Library (E 84 STO 1)   |
| 9 June   | Maureen Hunter, <i>Transit of Venus</i> (1992)<br>Heffers have been asked to stock copies (ISBN 0921368291)   |

## Reading Kant

This term we are going to read the *Critique of Judgment*, Part II: ‘Critique of teleological judgment’. Meetings are on Wednesdays at 3pm in Seminar Room 1. Organised by Yoon Choi, Marina Frasca-Spada and Stephen John.

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|----------|--|
| 28 April | <b>Alix Cohen:</b> Analytic of Teleological Judgment; sections 61-68; Ak 359-383 (G&M 233-255)       |
| 5 May    | <b>Aaron Lambert:</b> Dialectic of Teleological Judgment I; sections 69-76; Ak 385-404 (G&M 257-274) |
| 12 May   | <b>Nick Jardine:</b> Dialectic II/Appendix I; sections 77-82; Ak 405-429 (G&M 274-296)               |
| 19 May   | <b>Axel Gelfert:</b> Appendix II; sections 83-86; Ak 429-447 (G&M 297-313)                           |
| 26 May   | <b>Steve John:</b> Appendix III; sections 87-90; Ak 447-466 (G&M 313-331)                            |
| 2 June   | <b>Tim Lewens:</b> Conclusion; sections 91-end; Ak 467-484 (G&M 331-346)                             |

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**COVER PICTURE:** Decorative panel on the side of the former Porter’s Lodge at 14 Pembroke Street – now part of the Department – depicting the coats of arms of Bacon, Newton, Herschel and Wollaston. Photograph by David Thompson.