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

### Research Fellows
- Dr Deborah Thom
- Dr Frances Willmoth
- 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
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- 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

### Affiliated Lecturers
- Dr Soraya de Chadarevian
- Dr Patricia Fara
- Dr Marina Frasca-Spada
- Dr Richard Jennings
- Dr Sachiko Kusukawa
- Dr Ilina Singh
- Dr Deborah Thom
- Dr Frances Willmoth
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### Visitors and students

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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 Kusukawa) 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

Undergraduates

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Graduates

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Examination results

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Graduate degrees awarded

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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 assesment 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*


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
Revving 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 Kovalevskaya
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!’ Construments 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)

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**Communication skills**

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

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**Organisational skills**

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<td>Organisation of events (entertainment, lectures, society events)</td>
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<td>Involvement in national societies</td>
<td>Managing workload for exams and for coursework</td>
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<td>Organisation of Departmental social events</td>
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<td>Management of Students’ Coffee Room</td>
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<td>Managing workload for exams and for coursework</td>
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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!’’ Construments 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**
- 0211 Compound microscope, Marshall type. Possibly made by John Marshall c.1720
Colchester Castle Museum
‘The Life and Legacy of William Gilberd’: 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 Electrotype 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

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<tr>
<th>Number</th>
<th>Description</th>
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<tr>
<td>5948</td>
<td>Curta calculator</td>
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<td>5949</td>
<td>Surveying prismatic compass</td>
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<td>5950</td>
<td>Rule</td>
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<td>5951</td>
<td>Abney level</td>
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<td>5953</td>
<td>Lettering stencil</td>
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<td>Wooden imperial scale</td>
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<td>5955</td>
<td>Aneroid altimeter</td>
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<td>5956</td>
<td>Box sextant</td>
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<td>5957</td>
<td>Zeiss Ikon camera</td>
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<td>5958</td>
<td>Set of drawing instruments</td>
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<td>5959</td>
<td>Monocular</td>
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<td>5960</td>
<td>Prismatic compass</td>
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<td>5961</td>
<td>Schoolboy clinometer</td>
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<td>5962</td>
<td>Circular slide rule</td>
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<td>Slide rule</td>
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<td>5964</td>
<td>Naval station pointer</td>
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<td>5965</td>
<td>Geological hammer</td>
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<td>5966</td>
<td>Geological heavy hammer</td>
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<td>5967</td>
<td>Military compass</td>
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<td>5968</td>
<td>Geological trimming hammer</td>
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<td>5969</td>
<td>Beam compass</td>
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<td>5970</td>
<td>Palmtronic calculator</td>
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<td>5971</td>
<td>Measuring tape</td>
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<td>5972</td>
<td>Otis King cylindrical slide rule</td>
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<td>5973</td>
<td>Small graticule grid</td>
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<td>5974</td>
<td>Edinburgh students’ microscope</td>
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<td>Wheatstone symphony</td>
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<td>Slide rule</td>
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<td>Electrostatic generator and apparatus</td>
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<td>Model of the human eye</td>
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<td>Facit electric calculating machine</td>
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<td>Magic lantern slides</td>
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<td>5988</td>
<td>Sharp PC-1211 pocket computer</td>
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<td>5989</td>
<td>Portrait of Nicholas Saunderson</td>
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<td>Model cross section of a tree</td>
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<td>Gunter quadrant, by Isaac Carver</td>
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<td>Achromatic compound microscope</td>
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<td>Slide rule</td>
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<td>Celestial indicator</td>
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<td>Tambours on a stand</td>
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<td>Portable drafting machine</td>
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<td>Stand</td>
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<td>6003</td>
<td>Adjustable stand</td>
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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

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
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**

**Articles in books**

**Articles in journals**

**In Press**

**Articles in books**

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**

**In Press**

**Books**
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?’, Said 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
Co-organiser, conference on Whitehead, Invention and Social Process, Goldsmiths College

August 2004

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
In Press

Articles in books

Articles in journals

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

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
Soraya de Chadarevian

Publications

Books

Articles in books

Articles in journals

In Press
Articles in books

Reviews

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

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

In Press

Articles in books

Lectures and Conferences

November 2003

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

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

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

In Press

Books
**Articles in books**

**Lectures and Conferences**
*December 2003*
Dixon, T. ‘Emotional stupidity? Christians, stoics, reason and the passions’, Public Lecture, University of Antwerp

*June 2004*

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**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**

**Articles in journals**

**Reviews**
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

**Articles in journals**
El-Bizri, N. ‘ON KAI KHÔRA: situating Heidegger between the Sophist and the Timaeus’, Studia Phaenomenologica 4
El-Bizri, N. ‘Ontopoïèsis 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

March 2004
El-Bizri, N. ‘Alhazen’s optical and geometrical conception of place’, Institute of Architecture, University of Nottingham

April 2004

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

Reviews

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

Lectures and Conferences

December 2003
Endersby, J. ‘The Vagaries of a Rafinesque: classifying naturalists in early nineteenth-century America’, Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

June 2004

Patricia Fara

Publications

Books

Articles in books

Articles in journals
Fara, P. ‘Edmond Halley’, Endeavour 28 (2004), 57-58
Fara, P. ‘Sisters in science’, History Today 54/5 (2004), 39
Fara, P. ‘The first President of the Royal Society’, Endeavour 27 (2003), 148-149
Fara, P. ‘Joseph Banks: Pacific pictures’, Endeavour 27 (2003), 110-112

Reviews
Fara, P. Review of J. Gleick, Isaac Newton, in Prospect, October 2003, 74
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
Articles in journals

Reviews
Fara, P. Review of the Enlightenment Gallery at the British Museum, in *British Journal for the History of Science*
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. ‘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
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**

**Articles in books**

**Reviews**

**In Press**

**Articles in journals**
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

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

Articles in journals

In Press

Articles in journals
Gelfert, A. ‘Mathematical rigor in physics: being realistic about exact results’, Philosophy of Science (PSA Special Issue, 2005)

Reviews

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

In Press
Articles in books

Articles in journals

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

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

Articles in books

Reviews

In Press

Articles in books

Lectures and Conferences
December 2003
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

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

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**


**Articles in journals**


**In Press**

**Articles in books**


Jardine, N. ‘The many significances of Kepler’s *Contra Ursum*’ in D. Di Liscia (ed.) *Festschrift für Volker Bialas*, 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

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

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

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).

In Press

Articles in books
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. ‘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

Articles in books

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

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
Articles in books

In Press

Articles in books

Articles in journals

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

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**

**Guest editor**

**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


**Reports**

**Review**

In Press

**Articles in books**


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 genethics’, 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

Articles in 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. ‘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

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**Geoffrey Lloyd**

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

**Publications**

**Books**

**Articles in books**
Articles in journals

Reviews

Edited volumes

Lectures and Conferences

October 2003
Lloyd, G.E.R. ‘New issues in the history of science’, Emory, Atlanta

November 2003
Lloyd, G.E.R. ‘Style for history of science’, Athens, Greece

March 2004

April 2004
Lloyd, G.E.R. ‘La historia a favor de la filosofia de la ciencia’, Universidad Nacional de Educaciön a Distancia, Madrid

June 2004
Lloyd, G.E.R. ‘Anatomy between medicine and philosophy’, First European Meeting of the Society for Ancient Medicine, Birmingham

July 2004

September 2004

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

Articles in books
**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

**Reviews**

**Lectures and Conferences**

*October 2003*

*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

*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

Articles in journals
Manson, N.C. ‘Reason explanation: a first-order normative account’, Philosophical Explorations 7 (2004), 113-130

In Press

Articles in books

Articles in journals

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

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. ‘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*


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


In Press

Articles in books

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

In Press

Articles in books

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

Articles in books

Reviews
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

Lectures and Conferences

November 2003

January 2004

April 2004
Noakes, R. ‘Reclassifying classical physics’, Postdoctoral Research Fellows’ Symposium, British Academy, 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

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

Articles in journals
O’Neill, O. ‘Constructivism vs. contractualism’, *Ratio* XVI (2003), 319-331
O’Neill, O. ‘Consequences for non-consequentialists’, *Utilitas* 16 (2004), 1-11
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

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

Sadiah 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

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

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

Michael Redhead

Publications

Articles in books

Articles in journals

In Press

Articles in journals
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
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

Articles in books

Articles in journals

Reviews

Websites
In Press

**Books**

**Articles in books**

**Articles in journals**
Lion, B. and Robson, E. ‘Quelques textes scolaires paléo-babyloniens redigés par des femmes’, *Journal of Cuneiform Studies* 56 (2005)

**Reviews**

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

March 2004

April 2004
Robson, E. ‘Educated women in ancient Iraq’, Trinity Hall Women’s Seminar, Cambridge

July 2004

August 2004

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**

**In Press**

**Books**

**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**


**Articles in journals**


**Reviews**


**In Press**

**Books**


**Articles in books**


**Lectures and Conferences**

*July 2004*

Christine F. Salazar

Publications

Books

Reviews

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 the Study of Science and Technology.

Publications

Articles in books

Articles in journals
Schaffer, S. ‘Enlightenment brought down to earth’, *History of Science* 41 (2003), 257-268

Reviews

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
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

In Press

Books

Articles in journals

Lectures and Conferences

November 2003

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-xl; 2: i-xi; 4: i-xi; 5: i-xi; 7: i-xi; 9: i-xv)

Articles in books

Reviews

Lectures and Conferences

November 2003
Secord, J. ‘Scientific discovery as illustrated news’, HSS Annual Meeting, Boston
February 2004
Secord, J. ‘Science in the Sun, life on the moon’, Inaugural Address, Department of History and Philosophy of Science, University of Cambridge

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. “‘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

In Press

Books

Articles in books

Lectures and Conferences

November 2003

March 2004
Spary, E.C. ‘Atheists, astronomers and arachnophages: or, how to swallow the French Enlightenment’, Nineteenth-Century Studies Group, University of British Columbia

June 2004
Mark Sprevak

Publications

Articles in journals

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

Articles in books

Articles in journals

In Press

Articles in books

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


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

In Press

Articles in journals

Lectures and Conferences

December 2003

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

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

Reviews

In Press

Articles in books

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

Paul White

Publications

Articles in books

Articles in journals

In Press

Books

Articles in books
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

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

Jill Whitelock

In Press

Nick Wilding

Publications

Articles in books

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
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

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

Articles in journals
Zahar, E.G. ‘Ramseyfication and structural realism’, Theoria 19(49) (2004), 5-30

In Press

Reviews

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 Finochiaro (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 satirically 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. 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 Llubijana; 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 Hannes 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.

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/squitrfs.htm
12 November S. Murphy, ‘Heron of Alexandria’s On Automaton-Making’, History of Technology 17, 1-44.
26 November Vitruvius, On Architecture, Bk. X.

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.

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’.
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)
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.

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.


www.nyu.edu/gsas/dept/philo/faculty/wright/papers/Wittgensteinian_Certainties.pdf

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 Christina McLeish (HPS, Cambridge): Counterfactuals and contemporaneity
11 February Torben Rees (HPS, Cambridge): Physicalism and phenomenal consciousness
25 February Axel Gelfert (HPS, Cambridge): There’s something about testimony
10 March Matteo Mameli (King’s College, Cambridge): 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

EPACTS

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.


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
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.

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.

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.
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 Lars Falk (Swedish Defence Research Agency): The force on Newton’s apple
12 May Matthew Underwood (HPS, Cambridge): Alfred Russel Wallace, disappointed naturalist
26 May Koen Vermeir (University of Leuven): Mirror, mirror on the wall...
9 June Gina Dahl (University of Bergen and HPS, Cambridge): Religion and science in Norway 1650-1750
16 June Patrick Boner (HPS, Cambridge): 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 Lubomira Radoilska (Clare Hall, Cambridge): Moral imagination
12 May Anandi Hattiangadi (Trinity College, Cambridge): Is meaning scepticism incoherent?
26 May Stephen Clarke (Charles Sturt University): Situationism and character: Doris in a daze
9 June Aaron Lambert (University of Chicago and HPS, Cambridge) 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.

28 April  Bertolt Brecht, *Life of Galileo* (1945)
          Several copies in the UL; English Faculty Library (Gm 84 BRE)
          UL (9746.d.1119 and 9746.d.559); English Faculty Library (Gm 84 DUR)
          UL (1988.8.1285 and 9001.d.8062); English Faculty Library (E 84 TO 1)
          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.

28 April  Alix Cohen: Analytic of Teleological Judgment; sections 61-68; Ak 359-383 (G&M 233-255)
5 May     Aaron Lambert: Dialectic of Teleological Judgment I; sections 69-76; Ak 385-404 (G&M 257-274)
12 May   Nick Jardine: Dialectic II/Appendix I; sections 77-82; Ak 405-429 (G&M 274-296)
19 May   Axel Gelfert: Appendix II; sections 83-86; Ak 429-447 (G&M 297-313)
26 May   Steve John: Appendix III; sections 87-90; Ak 447-466 (G&M 313-331)
2 June   Tim Lewens: Conclusion; sections 91-end; Ak 467-484 (G&M 331-346)

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.