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The Department

Introduction

Welcome to the 2004-05 Annual Report. It’s hard to believe another year has flown by already!

During the course of the year the Department set about finalising plans for a new staircase and lift at the back of the building to improve access to the Museum for disabled people. Work has now started and it is hoped that it will be complete by the spring of 2006. The bid for nearly two million pounds to convert the Heycock Lecture Theatre into a modern new Whipple Library looks as if it could be successful, as it has been ranked second by our School. If this comes off it will mean a lot of hard work for the Library, but it will be an amazing addition to the Department, and we would expect it to be complete by 2007.

Once again, individuals and groups from the Department were successful in obtaining prizes, grants and fellowships. In February it was announced that Simon Schaffer and Steven Shapin were joint winners of the 2005 Erasmus Prize; the Department secured a five-year enhancement award of core funding in the field of history of medicine from the Wellcome Trust; HPS and Geography were jointly successful in obtaining a Leverhulme Visiting Professorship for Sheila Jasanoff to spend time in the Department in 2005-06 and 2006-07; Tatjana Buklijas and Rob Ralley were awarded three-year Wellcome Fellowships; Ipek Demir was awarded a one-year ESRC Fellowship; Alix Cohen and Mark Sprevak were successful in obtaining JRFs; and Tim Lewens was given even more money by Pfizer to continue to study Philosophy of Risk. And that isn’t everything – you will need to read the report to find out about it all.

There were quite a few changes. The admissions criteria for our MPhil course was raised to a first, and the MPhil course changed its name to ‘History, Philosophy and Sociology of Science, Technology and Medicine’ to better reflect the subject areas. It was a year where plagiarism had to be taken very seriously; to combat this, students will be asked to submit electronic versions of their work. Unfortunately the opportunistic thieving continued. An experiment to control access to the Department by putting a rope barrier across the first floor landing was successful, and we are planning to replace this permanently with a gate.

We appointed a new Librarian in September 2004 only to have her resign a week later, which took us all by surprise. We are very grateful to Dawn and Steve, who ran the library for the year and did a fabulous job. We are also grateful to Nicky Reeves, who made himself available at times when the library was short handed, and to Jill Whitelock, who continued to provide advice and support as necessary. Monica Elsey’s sick leave continued and she eventually took early retirement. Lisa Newble continued as Acting Collections Manager – another massive thanks to her for helping us through this difficult time. Thanks also to Ruth Horry and James Hyslop, who ably assisted.

What makes University life special is that every year is different, and as you will see from this Annual Report, last year was no exception. We would like to take this opportunity to thank everyone who contributed to this report and to the thriving atmosphere in the Department.
Staff and affiliates

Administrative Staff
Tamara Hug
Steve Kruse
David Thompson

Computing Staff
Mark Rogers

Library Staff
Sonia Hollins
Dawn Moutrey

Museum Staff
Elizabeth Hart
Ruth Horry
Lisa Newble
James Hyslop
Boris Jardine
Kees Rookmaaker
George MacKerron

Teaching Officers
Jon Agar
John Forrester
Nick Hopwood
Nick Jardine
Stephen John
Lauren Kassell
Martin Kusch
Tim Lewens
Peter Lipton
Eleanor Robson
Simon Schaffer
Jim Secord
Liba Taub

Research Fellows
Tatjana Buklijas
Andrew Cunningham
Harmke Kamminga
Emese Lafferton
Neil Manson
Andreas Mayer
Richard Noakes
Nick Wilding
Sarah Wilmot

College Research Fellows
Craig Bourne
Katrina Dean
Jim Endersby
Anandi Hattiangadi
Annette Imhausen
Mary Leng
Sanjoy Mahajan
Michela Massimi
Matteo Mameli
Martin O’Neill
Sujit Sivasundaram
Karin Tybjerg

Affiliated Scholars
Jan Abram
Robert Anderson
Debby Banham
Andrew Barry
Em Barnes
German Berrios
Andy Bowie
Peter Bowler
Michael Bravo
Janet Browne
Robert Bud
Jeremy Butterfield
David Chart
Cristina Chimisso
Harry Collins
John Cornwell
Christopher Cullen
Silvia De Renzi
Nick Dew

David Dewhirst
Thomas Dixon
Matthew Donald
Nader El-Bizri
Aileen Fyfe
Cathy Gere
Faye Getz
Jeremy Gray
Ole Grell
Mary Hesse
Peter Jones
Ludmilla Jordanova
Geoffrey Lloyd
Scott Mandelbrote
Stephen Mason
Anita McConnell
Raymond Mercier
Jim Moore
Adam Mosley
Jaume Navarro
Ralph O’Connor
Onora O’Neill
Alison Pearn
Sarah Pennell
Katy Price
Lisbet Rausing
Michael Redhead
Evelleen Richards
Ruth Richardson
Martin Rudwick
Colin Russell
Christine Salazar
Max Satchell
Anne Secord
Richard Serjeantson
Emma Spary
Rebecca Stott
Kim Taylor
John van Wyhe
Andrew Wear
Paul White
Eli Zahar

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

Visiting Scholars
Andre Ariew
Christina Brandt
Yulia Egorova
Niccolo Guicciardini
Akira Kikuchi
Arnold Koslow
Matiana Silva
Olga Stoliarova

Visiting Students
Andreas Dittrich
Marie Hidle
Lydia Jaeger
Sebastian Kemmler
Stefan Pohl
Jeroen de Ridder
Georgette Taylor
Laurence Totelin
Daan Wegener

PhD Students
Katherine Angel
Caroline Baumann
Lorenzo Bernasconi
Patrick Boner
Michael Bresalier
Tatjana Buklijas
Alex Broadbent
Vicky Carroll
Hsing-Zen Chen
Yoon Choi
Alix Cohen
Katrina Dean
Paul Dicken
Jenny Downes
Sarah Dry
Axel Gelfert
William Grundy
James Hannam
Daniel Heard
Ben Irvine
Natalie Kaoukji
Melanie Keene
Jeff Kochan
Tsai-Hsuan Ku
John Latsis
Saira Malik
Christina McLeish
Helen Macdonald
Michael Michael
Sasha Mudd
Ayesha Nathoo
Arash Pessian
Meredith Price
Sadiah Qureshi
RobertRalley
Jason Rampelt
Torben Rees
Nicky Reeves
Francis Reid
Joab Rosenberg
Ayako Sakurai
Jeff Skopek
Mark Sprevak
Anke Timmermann
Adam Toon
Nick Tosh

MPhil Students
Katherine Baker
Melinda Baldwin
Mike Collins
Ivan Collister
Alana Feiler
Frances Gardiner
Marcia Holmes
Elisabeth Kingma
Jason Leith
Samuel Lipoff
Sébastien Morgan
Laura Morley
David Nader
Christopher Phillips
Jessica Rosenberg
Joe Sandham
Charles Sentell
Patricia Stewart
Lydia Wilson
Jenny Wong

NST Part II students
Tom Barnes
Daisy Barton

Annie Beaumont
Vanessa Bull
Matt Bullivant
Justin Cheadle
Weiming Chiu
Chris Collins
Hannah Craik
Fred Crawley
Sophia Davis
Tom Diplock
Amanda Fernando-Stevens
Julia Flint
Greg Foot
Isabel Fraser-Moodie
Elizabeth Gibney
Aaron Harper
Andrew Hodges
Juliette Irwin
Laura Kemp
Jaffar Khan
Laura Kotseroglou
Felix Levinson
Ed Lunken
Sophia Mahroo
Hane Maung
Dave Mills
Laura Oakley
Nami Patel
Kit Patrick
Nick Purves
David Randall
Nick Seeber
Bukhari Shah
Geoff Stevenson
Benjamin Sun
Holly Swann
Harriet Temple
Senem Tugrul
Rosie Whitaker
Ben Wiles

MVST Part II students
Kathryn Lockwood
Alison Major
Zishan Syed
Timothy Woodhams
Comings and goings

Sungho Choi started a one-year lectureship in September 2005.

Ipek Demir started in a one-year ESRC fellowship in August 2005.

Tim Eggington became the new Whipple Librarian in September 2005.

Paul Everest, our new cleaner, joined us in March 2005 following the promotion of Steve Kruse.

Sonia Hollins retired at the end of September 2005 from the post of part-time Library Assistant.

George MacKerron left in August 2005 after completing his work on the Whipple Museum’s HEFCE-funded ‘Gallery Challenge’ website.

Neil Manson, having completed his three-year Wellcome project, has taken up a lectureship in philosophy at the University of Lancaster.

Andreas Mayer started a three-year Wellcome fellowship in January 2005.

Martin Peterson joined the Department in October 2005 to work on the Philosophy of Risk project.

Kees Rookmaaker returned to the Department of Zoology in April 2005 following the completion of the Whipple Museum’s DCF-funded archive project.

Nick Wilding left in September 2005 to take up a fellowship at Columbia University.

Several former PhD students joined us as research fellows: Tatjana Buklijas, Alix Cohen, Rob Ralley, Jason Rampelt and Mark Sprevak.
Roles and responsibilities

Departmental positions

Head of Department: Peter Lipton
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, John Forrester, Nick Jardine, Martin Kusch, Simon Schaffer, Liba Taub
Curator and Director of the Whipple Museum: Liba Taub
Departmental Secretary: Tamara Hug
General Board Members: Michael Akam, Ulinka Rublack
Co-options: Jon Agar, Tim Lewens, Halvard Lillehammer, Neil Manson, Eleanor Robson
Elected Senior Members: Marina Frasca-Spada, Nick Hopwood, Peter Jones, Anne Secord
Elected Junior Members: Jason Rampelt (Graduate); Rachel Cottrell, Kit Patrick (Undergraduates)

Philosophy Faculty Board

HPS Representative: Stephen John

Examiners

NST Part IB
Senior Examiner: Lauren Kassell
Examiners: Stephen John, Peter Lipton, Matteo Mameli, Eleanor Robson, Sarah Wilmot
External Examiner: Dr Graeme Gooday (University of Leeds)

NST Part II
Senior Examiner: Jon Agar
Examiners: Andrew Cunningham, John Forrester, Marina Frasca-Spada, Anandi Hattiangadi, Helen Macdonald, Sujit Sivasundaram
External Examiner: Dr John Christie (University of Leeds)

MPhil
Senior Examiner: John Forrester
External Examiner: Dr Rob Iliffe (Imperial College)
**Prizes, projects and honours**

**Student prizes**

Justin Cheadle was awarded the Eighth Annual Waterman Prize for his Part II dissertation, ‘Shagreen, science, and status: a study of materials used to make early telescopes’. The Waterman Prize is awarded annually to the student who has produced the best work using the collection of the Whipple Museum.

Frances Gardiner was awarded the Second Annual Rausing Prize for the best performance in the dissertation component of the MPhil.

Laura Morley was awarded the Eighth Annual Jennifer Redhead Prize for the best performance in the essay component of the MPhil.

Kit Patrick was awarded the 2005 Bronowski Prize for the best performance in the HPS Part II course.

**New research projects**

Tatjana Buklijas has been awarded a three-year Wellcome research fellowship to work on ‘The politics of anatomy in Vienna, 1914-1945’.

Andrew Cunningham has been awarded a Wellcome project grant to work on ‘The career of Aristotelian anatomy: Aristotle, Fabrici, Harvey’.

Ipek Demir was awarded a one-year ESRC fellowship.

Rob Ralley has been awarded a three-year Wellcome postdoctoral research fellowship to work on ‘Medical times in England, 1450-1550’.

**Prizes and honours**

Anita McConnell received the Scientific Instrument Society’s Anniversary Medal in November 2004. In September 2005 she was presented with the Royal Meteorological Society’s Jeduha Neumann Award, for contributions to the history of meteorology.

Martin Rudwick has been elected President of the History of Earth Sciences Society for 2005 and 2006.

Simon Schaffer and Steven Shapin (Harvard University) were joint winners of the 2005 Erasmus Prize. The Praemium Erasmianum Foundation awards the Erasmus Prize each year to a person who has made an exceptionally important contribution to European culture, society or social science.
Seminars and special lectures

Rausing lecture

Professor Langdon Winner of Rensselaer Polytechnic Institute, New York gave the Tenth Annual Hans Rausing Lecture in the History of Technology and Industry on 19 May 2005. The title of the lecture was ‘Technology studies for terrorists: a short course’.

Seminars, reading groups and workshops

Departmental Seminar in History and Philosophy of Science organised by Simon Schaffer and Tim Lewens
Research Methods Seminars (first two weeks of Michaelmas Term) organised by Marina Frasca-Spada and Nick Jardine
History of Medicine Seminars (Michaelmas and Lent Terms) organised by Lauren Kassell and Nick Hopwood
From Generation to Reproduction (Easter Term) organised by Nick Hopwood
Psy Studies Seminar: History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences, organised by John Forrester and Deborah Thom
Psychoanalysis and the Humanities Seminar organised by Mary Jacobus and David Hillman
Cabinet of Natural History organised by Melanie Keene
Epistemology Reading Group organised by Peter Lipton
STS Workshop organised by Jon Agar, Rob Doubleday and Martin Kusch
Reading Kant organised by Angela Breitenbach, Alix Cohen, Marina Frasca-Spada and Stephen John
Wittgenstein Reading Group organised by Lorenzo Bernasconi and Bill Grundy
Modal Logic Reading Group organised by Paul Dicken
Science and Literature Reading Group organised by Katy Price
Medieval Science and Philosophy Reading Group organised by John Marenbon
History of Science Workshop organised by Anke Timmermann
Philosophy Workshop organised by Mark Sprevak
Latin Therapy Group organised by Patrick Boner, Rob Ralley and Jason Rampelt
Students

Student statistics

Student numbers

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Graduate degrees awarded

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**Part II primary sources essay titles**

**PAPER 1: Parpola, *Letters from Assyrian and Babylonian Scholars***
- A dispute in the Assyrian scholarly letters, 670-669 BCE
- An anthropology of the neo-Assyrian scholars
- Lunar eclipses in ancient Mesopotamia
- The future of the past: Assurbanipal’s library in the modern world

**PAPER 2: Hooke, *Micrographia***
- A ‘new visible world discovered to the understanding’: Micrographia and the intellectual colonisation of the minute
- A personable preface? The extent of Robert Hooke in *Micrographia*’s foreword
- Contradictions in Hooke’s *Micrographia*
- Cyborg aspirations: the theme of human augmentation in the preface of Robert Hooke’s *Micrographia*
- Lisa Jardine and the flea: popular perception of Robert Hooke on the tercentenary of his death
- The reception of *Micrographia*

**PAPER 3: Darwin, *On the Origin of Species***
- A ‘moment of insight’: has the influence of Malthus on Darwin been exaggerated?
- Beasts into men and men into beasts: how do works of fiction complete the scenario proposed by *The Origin of Species*?
- Darwin’s analogy between artificial and natural selection in *The Origin of Species*
- ‘No theory was introduced to the world with a better set of friends’: the effect of reputation on the reception of *The Origin of Species*
- Religion and morality in Darwin’s *On the Origin of Species*
- Suffering and redemption in *The Origin of Species*
- ‘We may console ourselves’: comfort from *The Origin of Species*
- Why was Charles Darwin’s *The Origin of Species* not subject to the fierce criticism levelled at other evolutionary works that preceded it?
- With the publication of his book *The Origin of Species*, is Darwin responsible for the wave of ideas known as ‘social Darwinism’ that followed?

**PAPER 4: Fraassen, *The Scientific Image***
- A discussion of the concept of observability in van Fraassen’s constructive empiricism
- Can simplicity be an empirical virtue?
- Can we see with microscopy?
- Churchland versus van Fraassen: on the distinction between observables and unobservables
- Constructive empiricism and observation
- Epistemic jumping: how van Fraassen’s ‘Bad Lot’ argument (almost) succeeds
- How does Bas van Fraassen differentiate his constructive empiricism, in *The Scientific Image*, from contemporary accounts of realism and anti-realism?
- In defence of van Fraassen: a critique of superempirical virtues as indicators of objective truth in the selection of scientific theories
- Is van Fraassen’s rejection of inference in proposing his constructive empiricism legitimate?
- Might one as well hang for a sheep as for a lamb? The risks, penalties and gains of constructive empiricism and realism
- Seeing is believing: is looking through a microscope different to ordinary (unaided) looking?
- The adequacy of van Fraassen’s observable/unobservable distinction
- The futile dichotomy
- The importance of van Fraassen’s observable/unobservable distinction
- Van Fraassen’s observable/unobservable distinction
PAPER 5: Winner, *Do Artefacts Have Politics?*
A discussion of Woolgar’s academic criticism of Winner’s inherently political account of technology
A post-essentialist analysis of *Do Artefacts Have Politics?*
Bridges vs doorclosers: where do Latour and Winner differ? Where do they agree?
Do artefacts have Winner’s politics? An alternative categorisation
How are artefacts political? An extension of Langdon Winner’s political kinds to place artefacts upon political spectrums
Re-evaluating Winner – can the politics of artefacts withstand their opposition?
Texts, technologies and dichotomies: a comparative analysis of Winner’s *Do Artefacts have Politics?* and Woolgar and Cooper’s *Do Artefacts have Ambivalence?*
The idea of liberty in Langdon Winner’s *Do Artefacts have Politics?*
Winner on technology and democracy: are artefacts democratic?

PAPER 6: Freud, *The Interpretation of Dreams*
Analysing the wish-fulfilment theory
Are all dreams wish-fulfillments?
Freud’s dream model in a contemporary light
Is Freud’s dream theory fundamentally flawed?
Is Freud’s theory of dreams scientific?
Is Freud’s use of self-analysis in *The Interpretation of Dreams* legitimate?
Keats and Freud: the intermingling of dreams and Romantic thought in *The Interpretation of Dreams*
‘The Darwin of the mind’: to what extent does Freud’s theory in *The Psychology of the Dream Processes* reflect his evolutionary thinking?

PAPER 7: Crooke, *Mikrocosmographia*
Heat, perfection and ‘the one-sex model’ in *Microcosmographia*
Notions of perfection in Helkiah Crooke’s *Microcosmografia – A Description of the Body of Man* (1615)
The clitoris and the one sex model
Why did Crooke include the controversial fourth book in his *Microcosmographia?*

PAPER 8: Koch, *The Aetiology of Tuberculosis*
Analysing the early medical responses in Britain to Koch’s discovery
Did the way in which experimental investigation into disease was performed in the 19th century change following Koch’s publication of *The Aetiology of Tuberculosis?*
Early medical responses in Great Britain to Robert Koch’s *Aetiology of Tuberculosis* (1882)
Making bacteria visible: the role of representation in Koch’s *The Etiology of Tuberculosis*
Responses in *The Lancet* to Koch’s discovery of the tubercle bacillus, as published in 1882 and 1932
Robert Koch – ‘the hero’ of bacteriology?
Robert Koch’s *Aetiology of Tuberculosis* has been commemorated as an ‘earth-moving event’ (Loffler)
What were Tyndall’s motives for writing his article in *The Times* supporting Koch’s *Die Aetiologie der Tuberkulose?*
Why was Robert Koch awarded a Nobel Prize for his work and discoveries concerning tuberculosis in 1905?

PAPER 9: Sokal, *Transgressing the Boundaries*
An analysis of the issues surrounding Alan Sokal’s use of the hoax genre
Persuading the postmodernists: Sokal and the manipulation of rhetoric
Rhetoric and fashion: why the hoax was accepted
Sokal and Swift: an immodest attack?
Sokal’s parody: the creation of a hoax
The mystery at the end of transgressing
PAPER 10: Carson, *Silent Spring*

‘A brief of which any attorney might well be proud’ – Paul Sears. Reading *Silent Spring* as a legal argument

‘Dispassionate scientific evidence and passionate propaganda are two buckets of water that simply can't be carried on one person’s shoulders’ – Stare, 1963. Discuss with respect to Rachel Carson’s *Silent Spring*

How Rachel Carson’s metaphors created a new Nature

‘It’s all of a piece’: thalidomide and pesticides

Pesticides, nuclear radiation and the governance of science in the 1960s: perspectives from *Silent Spring*

Print media and the meanings of *Silent Spring*

*Silent Spring: early reactions in the United States to Rachel Carson’s attempt to bring science to the people*

*Silent Spring: from suburban housewives to eco-warriors*

Squirrels and grebes: animals as a rhetorical strategy in *Silent Spring*

The atomic bomb analogy in *Silent Spring* and Carson’s argument about pesticides

The sound of spring: voices of authority in Rachel Carson’s *Silent Spring*

Time, natural progression and inheritance in Rachel Carson’s *Silent Spring*

What role did gender play in the controversy surrounding the publication of Rachel Carson’s *Silent Spring*?
Part II dissertation titles

A comparative study of the Farm Hall transcripts and the Manhattan Project
A religion for atheists
Analogy, popularisation and the Mr Tompkins stories
Aquaculture and the industrial imagination
Babylonian and Greek science: influence, interaction and transformation in the Hellenistic period
Biological evolution and theism
Causation by absence
Centre and centrepiece of Empire: the Eiffel Tower from temporary to permanent structure
Charles Bell and William Hunter: heroism in anatomy
Divination, knowledge and power in Ancient Mari
Dreams in ancient Greek medicine
Engineering codes of conduct and the defence industry
Eugenics and literature: the work of Julian Huxley, Aldous Huxley and H.G. Wells
Freud and film: investigating how Freud’s theories and work have been used in cinema
Function, reference and use
‘God doesn’t play dice’: the Copenhagen interpretation of quantum mechanics and the philosophical origins of Einstein’s objections
How did Natural Selection help address the issue of evil and suffering in Victorian society?
Laws of nature in biology
Lessons from Kuhn
Mental illness and motherhood
Nanotechnology, government policy and the call for public participation
New planets – models of scientific discovery
Nutrition in Britain during rationing, 1940-1954: eating for victory?
Problems with animal consciousness
Recent arguments for dualism
Reviewing the past: the use of medical imaging techniques in archaeology
SARS: a global disease and the technology of public health
Science, archaeology and nationalism in the construction of modern Jerusalem
Shagreen, science and status: a study of materials used to make early telescopes
Testing Prozac: the evaluation and introduction of fluoxetine in Britain
The art of science – brain, mind and imagery
The epistemology of testimony
The knowledge argument
The medicalisation of circumcision
The MMR debate: a case study of the relationships between the public, scientists and the media
The problem of transitivity in the counterfactual accounts of causation
The relationship between national power and science research, focusing on 19th-century America and its international ascendancy
The treatment enhancement distinction: inescapable eugenics?
The warrant for memory
To what extent was the popularisation of Lysenkoism in the USSR after World War II a reaction against the Nazis’ policies of eugenics?
Understanding the cellphone: a critical application of McLuhan to the mobile medium
Voluntary Aid Detachments in the First World War
MPhil essay and dissertation titles

Katherine Baker

Essays
- The consequences of the empirical study of language learning for a philosophical theory of concepts (supervised by Martin Kusch)
- Sexing the Hermaphrodite: Foucault and the true sex of Herculine Barbin (supervised by John Forrester)
- Mannequins and models: the bodies of non-Western people in museums of anthropology and natural history (supervised by Simon Schaffer)

Dissertation
- The aesthetics and politics of ethnological mannequins and dioramas: a case study of the American Museum of Natural History (supervised by Jim Endersby)

Melinda Baldwin

Essays
- ‘Intellectual knitting’? W.H. Bragg, J.D. Bernal and women in British x-ray crystallography (supervised by Simon Schaffer)
- Always a monomania? Statistics and the debate over suicide in France, 1840-1860 (supervised by John Forrester)
- Sendivogian Alchemy, Helmontian Iatrochemistry, and Aristotelian Generation: the origins of the Royal Society’s 1665 May-dew experiments (supervised by Lauren Kassell)

Dissertation
- ‘Hanged by a microscope’: the founding of London's Metropolitan Police Laboratory, 10 April 1935 (supervised by John Forrester)

Mike Collins

Essays
- The function of consciousness (supervised by Neil Manson)
- Kane on Free Will (supervised by Tim Lewens)
- Strawson on Kant’s second analogy (supervised by Marina Frasca-Spada)

Dissertation
- Seeing and believing: conceptual vs. non-conceptual content (supervised by Peter Lipton)

Ivan Collister

Essays
- Mixed messages: the interpretation of Francis Bacon’s language reforms (supervised by Richard Serjeantson)
- Francis Lodwick’s Utopia: natural philosophy, theology and the politics of reason (supervised by Nick Jardine)
- History and the mind in John Toland’s letters to Serena (1704) (supervised by Simon Schaffer)

Dissertation
- The study of human nature in Samuel Clarke’s Boyle lectures, 1705-1706 (supervised by Richard Serjeantson)

Alana Feiler

Essays
- Tooley on causation and laws of nature: assessing his realist approach (supervised by Peter Lipton)
- Why it doesn’t matter whether ‘consciousness’ is ambiguous or not (supervised by Neil Manson)
- The miracle argument for scientific realism (supervised by Tim Lewens)

Dissertation
- Prediction and accommodation (supervised by Peter Lipton)

Frances Gardiner

Essays
- Geographer as philosopher: the endeavour of Strabo and his reader (supervised by Liba Taub)
- Medicine and the law: a case study of Forbes Winslow’s Insanity (supervised by John Forrester)
- Jane Ellen Harrison’s anthropological method (supervised by Simon Schaffer)

Dissertation
- Ethnography among the Greeks and Romans (supervised by Eleanor Robson)
Marcia Holmes
Essays  Census and ‘non-sensus’: statistics, credulity and public order in mid-nineteenth-century Britain (supervised by Richard Noakes)
Occupational health in the early Enlightenment (supervised by Simon Schaffer)
Essentialism vs population thinking (supervised by Tim Lewens)
Dissertation  Towards a history of ergonomics: the Industrial Fatigue Research Board in interwar Britain (supervised by Jon Agar)

Elisabeth Kingma
Essays  The real wrong of wrongful life: damage payments are not the right solution (supervised by Tim Lewens)
Should doctors perform an elective caesarean on request? (supervised by Nick Hopwood)
Intuition and imagination: the knowledge-argument for dualism (supervised by Peter Lipton)
Dissertation  Naming and identity (supervised by Peter Lipton)

Jason Leith
Essays  Well-ordered science in a poorly-ordered society? Adopting Philip Kitcher’s well-ordered science to achieve an ideal process with real results (supervised by Martin Kusch)
Proposed explanations and Bayesian inference (supervised by Peter Lipton)
Do artifacts have politics? (supervised by Jon Agar)
Dissertation  Public reason, expertise and fact-determination (supervised by Stephen John)

Sam Lipoff
Essays  A scientific history of the Avogadro/Loschmidt constant (supervised by Richard Noakes)
On the order and structure of Diophantus’ Arithmetica (supervised by Geoffrey Lloyd)
Reductionism in Song Dynasty Chinese natural philosophy (supervised by Christopher Cullen)
Dissertation  Translating chemistry textbooks in late 19th and early 20th-century China (supervised by Christopher Cullen)

Sébastien Morgan
Essays  John Locke, David Hume and empty space (supervised by Marina Frasca-Spada)
Dr Krafft-Ebing’s Psychopathia Sexualis and medicalisation of homosexuality (supervised by John Forrester)
Peter Singer and speciesism (supervised by Tim Lewens)
Dissertation  National characters and theories of climates in the philosophy of David Hume (supervised by Marina Frasca-Spada)

Laura Morley
Essays  Cui bono? Asking moral questions in social studies of technology (supervised by Martin Kusch)
‘Anthropology as a practical science’ – colonial officers’ visions for anthropology at the dawn of the twentieth century (supervised by Simon Schaffer)
Calls for a ‘science holiday’ and the theory of cultural lag (supervised by Jon Agar)
Dissertation  Building scientific authority: a brief entomological career, 1856-1874 (supervised by Jim Endersby)

David Nader
Essays  Chlorine chambers: gassing the American government for national health and prosperity (supervised by Nick Hopwood)
What are the differences between multiple inheritance theories of evolution and developmental systems theory? (supervised by Tim Lewens)
‘A confutation of the common conceived opinion of witches and witchcraft’: Scot, religion, rationality and opposition to the witch hunts (supervised by Lauren Kassell)
Dissertation  ‘When meat becomes mind’: cognitive science and physicalism (supervised by Tim Lewens)
Chris Phillips
Essays  Mathematics, morality and William Kingdom Clifford in late Victorian Britain  
(supervised by Richard Noakes)  
Rigour reconsidered: the Calculus, George Berkeley and the ‘Analyst’ controversy  
(supervised by Marina Frasca-Spada)  
Computers and testimony (supervised by Peter Lipton)  
Dissertation  Robert Woodhouse and the evolution of Cambridge mathematics (supervised by Simon Schaffer)

Jessica Rosenberg
Essays  G.E. Moore and Norman Malcolm on ‘I Know’ (supervised by Martin Kusch)  
How Nehemiah grew: his anatomy and cosmology (supervised by Simon Schaffer)  
Dreams in early modern England (supervised by Lauren Kassell)  
Dissertation  Interpretation and explanation of dreams in early modern England (supervised by Lauren Kassell)

Joe Sandham
Essays  Inference with reference but without meaning (supervised by Peter Lipton)  
John Locke: identity (supervised by Marina Frasca-Spada)  
Freud: introjection (supervised by John Forrester)  
Dissertation  Rigid designation and necessary a posteriori arithmetic (supervised by Peter Lipton)

Charles Sentell
Essays  Inquiry and community: John Dewey, the scientific method and democracy as a way of life  
(supervised by Martin Kusch)  
On the relation between theory and experiment in rational mechanics (supervised by Simon Schaffer)  
Gadamer’s Hermeneutics and the historiography of science (supervised by Nick Jardine)  
Dissertation  The patentability of ‘products of nature’ (supervised by Tim Lewens)

Patricia Stewart
Essays  Lourdes: the making of a healing shrine (supervised by Andrew Cunningham)  
‘Madness in a bottle’: absinthe at the Fin de Siècle (supervised by John Forrester)  
All developmental resources are equal but some are more equal than others: a re-examination of Developmental Systems Theory (supervised by Tim Lewens)  
Dissertation  Best(iary) of burden: an analysis and interpretation of Corpus Christi 22 (supervised by Peter Jones)

Lydia Wilson
Essays  An examination of Avicenna’s divisions of the sciences: what is the status of medicine?  
(supervised by Tony Street)  
Science journalism and scientific practice (supervised by Simon Schaffer)  
Representing the winds in Ancient Greek and Rome (supervised by Liba Taub)  
Dissertation  Arabian nights: Al-Biruni and 11th-century Arabic astrology (supervised by Eleanor Robson)

Jenny Wong
Essays  Medicalising the needle? The incorporation of acupuncture into the British healthcare system since the 1970s (supervised by Andrew Cunningham)  
The UNFPA and China’s one-child policy (supervised by Nick Hopwood)  
‘Future face’ (supervised by Simon Schaffer)  
PhD theses

Awarded

Alix Cohen
‘Kant’s critique of the human sciences’ (supervised by Nick Jardine)

Katrina Dean
‘Settler physics in Australia and Cambridge, 1850-1950’ (supervised by Simon Schaffer)

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

Susan Gamble
‘The hologram and its antecedents, 1891-1965: the illusory history of a three-dimensional illusion’ (supervised by Simon Schaffer)

Jeff Kochan
‘A poetics of tool-use: explorations in Heidegger and science studies’ (supervised by Martin Kusch)

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

Michael Michael
‘Akrasia: an essay on what it means to act without self-restraint’ (supervised by Peter Lipton)

Sadiah Qureshi
‘Living curiosities: human ethnological exhibitions in London, 1800-1855’
(supervised by Jim Secord)

Robert Ralley
‘The clerical physician in late medieval England’ (supervised by Lauren Kassell)

Jason Rampelt
‘Distinctions of reason and reasonable distinctions: the academic life on John Wallis (1616-1703)’
(supervised by Scott Mandelbrote)
Submitted

Tatjana Buklijas
‘Dissection, discipline and urban transformation: anatomy at the University of Vienna, 1845-1914’
(supervised by Nick Hopwood)

Victoria Carroll
‘Eccentricity and science in early nineteenth-century Britain’ (supervised by Nick Jardine)

Jenny Downes
‘Visual portrayals of the new astronomy: Johannes Hevelius (1611-1687)’
(supervised by Nick Jardine)

Axel Gelfert
‘The structure of testimonial knowledge’ (supervised by Peter Lipton)

Daniel Heard
‘Laws of nature: reductive metaphysics, anti-reductive semantics’ (supervised by Peter Lipton)

Doctor of Literature

Professor Anthony William Fairbank Edwards
An application for a LittD degree was submitted to the January 2005 meeting of the Department’s Degree Committee. The Committee was unanimous in recommending to the Board of Graduate Studies that Professor Edwards should be awarded the LittD. Professor Edwards already held the ScD; it is exceptionally rare to hold both the ScD and the LittD.
Transferable skills

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

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

University
Lectures
Seminars
Discussion groups and classes
Examinations

College
Advice from Director of Studies
Supervisions (discussion, reasoning, argument, problem-solving, reading and critical analysis)

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

University
Written:
Dissertation
Essays
Extended essays on primary sources

Oral:
Presentations at seminars, study groups and classes
Debating

Non-verbal:
Use of visual material
Setting up of case-studies of objects in the Whipple Museum

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

Organisational skills

University
Balancing workload and extracurricular activities; meeting deadlines
Organisation of and participation in reading groups and seminars
Involvement in national societies
Preparation and management of the course assessment questionnaire
Organisation of Departmental social events
Management of Students’ Coffee Room
Managing workload for exams and for coursework

College
Balancing workload and extracurricular activities; meeting deadlines
Organisation of events (entertainment, lectures, society events)
Managing workload for exams and for coursework
Interpersonal skills

University
Small and tightly knit Departmental community enhances ability to interact with a wide range of people with varied interests, and encourages intellectual and human flexibility
Discussion seminars and classes
Participation in the Monitoring Committee
Taking part in Students’ Coffee Room conversation
Possibility of voluntary work in the departmental office, the Library and Whipple Museum

College
Small College community enhances ability to interact comfortably with a wide range of people/cultures/disciplines, and encourages flexibility and adaptability
Taking part in College politics or a management role in societies
Taking part in College sporting activities
Experience in supporting friends through personal crises, bereavement, illness, disablement, psychological stress etc.

Research skills

University
Use of University Library
Use of Departmental Library
Use of Museum Records
Use of local and national archival resources
On-going scholarly training: footnoting, preparation of bibliographies and reference lists, translation
Research methods seminars and website
Interviewing
Text, image and object analysis

College
Advice from Director of Studies
Exchange of advice and ‘tips’ with other students in the same or similar subjects
Use of College libraries and research facilities

Computer literacy

University
Use of CD-ROMs, on-line resources and databases in the Library and in the Museum
Use of Departmental computer facilities for web and e-mail
University Computing Service courses, leaflets, publications
Occasional University Library classes on use of on-line databases

College
Use of College computing facilities

Foreign language skills

University
Ancient Greek and Latin classes for non-classicists
German classes from the Pressland Fund (for Natural Sciences students)
Translation for coursework
Language Centre, Diploma/Certificate in Modern Languages

College
Language clubs/societies
Conversation exchange
The Library

Annual report of the Whipple Library

Introduction

The Whipple Library has had a very interesting and busy past 12 months. As we were without a librarian for most of the year, Steven Kruse, the Department’s General Assistant, provided additional staffing. This allowed the current Library Assistant, Dawn Moutrey, to stand in as Acting Librarian. The library also received staff cover from Nicky Reeves, who is studying for a PhD in the Department. Sonia Hollins took full retirement at the end of September from the post of part-time Library Assistant. September also saw the arrival of Tim Eggington as the new Whipple Librarian.

With 16,500 loans, compared with the 13,713 of the previous year, the usage of the Whipple continues to increase. We also had an increase in the number of registered patrons, which has risen from 1213 last year to 1545 this year.

Electronic developments

The Whipple Library became proud owner of four new iMacs during Michaelmas Term. The library’s webpages continue to be updated and improved.

The library systems were upgraded in July to Voyager with Unicode. This allows Newton, the University’s catalogues, to be searched using non-Roman text.

The Raven password service, provided by the University Computing Service, was established this year as another route to access online resources both on and off campus.

A new website, ejournals@cambridge, was developed this year by the University Library. It provides a central point of access to ejournals available from any library in the University. The Whipple’s ejournal holdings have been added to this resource.

New acquisitions

The library has received numerous donations this year and is very gratefully for these gifts. Notably we have received a collection of Italian books dating from the turn of the century. These books cover the subjects of engineering, maths and physics. We also received a small part of the private library of Max Perutz, donated to us by his daughter.

A few important additions to the special collections were made including:

Priestley, J. Letters to a philosophical unbeliever
Birmingham, 1787
Priestley, J. *Familiar letters addressed to the inhabitants of Birmingham*
Birmingham, 1790

The library also received another two items by the Rev. J.G. Wood.

Cambridge University Press has continued with their support to College and University libraries this year. The Whipple was credited £2,625.00 for the purchase of Press titles.

**Rare book collection**

The manuscript material from last year’s Phrenology donation by C.W. Daniel Co. Ltd has been documented and added to the collection by the Museum’s archivist, Kees Rookmaaker. A link to this material’s catalogue has been added to the website.

The rare books collection has continued to be use for departmental teaching and small seminar groups.

**Special projects**

The library continues to advise other departments on the disposal of older scientific material.

The Whipple is taking part in the journal coordination scheme. This scheme is looking into the possibility of coordinating the purchase of journals between the Schools of Humanities, Social Sciences and Arts, and therefore hopefully increasing electronic access across the University.

The Library Assistant attended the course ‘Web Authoring: Introduction to HTML’ run by the University Computing Service.
The Museum

Annual report of the Whipple Museum of the History of Science

Accreditation application

In February 2005 the Whipple Museum was invited to apply for Accredited status by the Museums Libraries and Archives Council. Accreditation is a new scheme which replaces the existing registration system and is designed to offer the public an assurance that the museum is being run to an improving standard of professionalism and collections care. The Whipple has been ‘registered’ under the old system since 1997 and was invited to apply for the new Accreditation as part of the first round of this scheme. Designated museums like the Whipple have been asked to act as flagships for this new scheme by attaining ‘Accredited status’ ahead of its wider introduction next year. The Whipple submitted its application in August.

Archives project completed

As part of our Designation Challenge Fund project for the period 2004-2006 the Whipple employed an archivist, Dr Kees Rookmaaker, to completely catalogue and improve the storage of the Whipple Museum archives. 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 the gallery displays. This part of the DCF project is now complete and has significantly improved accessibility, storage and preservation of the documentation and archival material relating to the history of the Whipple collections. A full catalogue of the Museum’s holdings in this area is now available as an electronic database in both the Museum and the Library, along with a hard-copy.

Museum launches the new ‘Gallery Challenge’ website

In July 2004 the Whipple Museum was awarded a £20,000 grant from HEFCE to build a new website aimed at raising the aspirations of children towards higher education and learning. The Museum staff were joined by George MacKerron (BA, Archaeology and Anthropology 2001) to carry out this project which included the building of an interactive game. The website introduces students to working in museums by taking part in an interactive game in which the students have to create their own museum display case. The game requires students to select objects and then carry out research before writing labels and arranging their objects for display. The game is designed primarily for use in a classroom environment and is supported by teachers’ notes and online interviews with Whipple staff about working in museums and more general university life. It is hoped that by learning more about how research and writing is carried out and by seeing a practical outcome, students will be encouraged to consider higher education in the future.

The website went live in August and can be found at: www.gallerychallenge.org
Work begins on the lift and staircase

Work began in August on a major building project which will improve disabled accessibility to the Museum galleries and the department. The project will see the partial demolition of the Annexe which will be replaced with a new extension housing a new passenger lift and staircase. The extension will also include a new disabled access toilet and office. The new lift and staircase will link all of the Museums upstairs galleries with the Reserve Gallery, allowing better public use of this space and generally better flow for all visitors around the Museum.

The project is expected to be completed in April 2006.

Valentines party

Monday 14 February saw the return of the Museum’s popular Valentine’s Day party. This was the third event of its type held in the Museum’s Reserve Gallery, which proved as popular as ever. The building project will prevent the return of this event in February 2006, however it is hoped that the Museum will be holding an opening party for the new lift and staircase in April instead.

Teaching and Exhibitions

Departmental Teaching

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

Student Research 2004-2005

Undergraduate dissertations
Justin Cheadle, ‘Shagreen, science and status: a study of the materials used to make early telescopes’

Publications

Outreach and collaboration with other University museums

Universeum Network Annual Meeting, Tartu, Estonia

The Universeum network of European universities with collections, of which the Whipple has been an active member, held their annual meeting at Tartu University on 1-3 July 2005. Four members of staff from the Whipple travelled there and presented a paper which introduced participants to the Whipple’s new collections-based website currently under development, supported by Designation
Challenge Fund money. Dr Liba Taub was a session chair. The Whipple hopes to continue to contribute to a number of collaborative projects planned by the network.

**Denny Abbey Farmland Museum**

Over the May Bank Holiday weekend Whipple staff members Lisa Newble, Ruth Horry and James Hyslop took games and handling activities from the Victorian Parlour to Denny Abbey Farmland Museum’s Edwardian Fair. The event attracted families from all over Cambridgeshire and over 1000 people attended over the two days during which the event lasted.

**Cambridge Science Festival**

The annual Cambridge Science Festival took place in March. This year’s special Saturday opening was very successful with over 450 visitors to the Museum’s galleries. Particularly popular this year was the new handling trolley for the Main Gallery which entertained younger visitors with a range of games and activities inspired by objects in the Museum’s collection. This year the Museum team were helped out by Sophia Davies, Lisa Mullins and Jenny Wong.

**Grants awarded**

**AHRB/AHRC**

The Whipple was awarded £26,268 core funding for this academic year, from the Arts and Humanities Research Board (now the Arts and Humanities Research Council). The award, which commenced in 2001, continues for five years. This funding is paid to the University of Cambridge on behalf of the Whipple, £1064 comes to the Whipple directly and is earmarked for publicity and marketing, based on the recommendations of the referees.

**DCF**

The Designation Challenge Fund was created by the Department for 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 (1999-2005), the Whipple has been awarded £582,536 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 achievable 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.
One year into the project, development is well underway and the website is on course to go live in March 2006.

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

As mentioned above, the Whipple archive project is now complete and the resultant database of everything held in the Whipple archives is available in the Library and Museum.

**PRISM**

The Whipple received two PRISM (Preservation and Restoration of Industrial and Scientific Material) awards in May 2005: a grant of $4,750 USD towards the purchase of Wheatstone’s Polar Clock and another grant of $7,250 USD towards the purchase of a complex brass planetarium.

**Donations**

We are grateful to special friends of the Whipple, for the following gift:

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 Justin Cheadle, for work done on early telescopes 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

**Hayward Gallery**

‘Eyes, Lies and Illusions’: 7 October 2004 to 6 January 2005

- 4416  Cloud camera prints and slides
- 1635  Cloud camera

**Design Museum**

‘You Are Here’: 9 January 2004 to 17 May 2005

- 0228  Thacher’s cylindrical slide rule
- 3189  Chinese horizontal dials
- 0324  Ivory diptych dial
International Loan to the Calouste Gulbenkian Foundation

The Museum has received a request for a loan to the Calouste Gulbenkian Foundation in Lisbon. The Museum will be lending Wh. 2455, Maxwell’s electromagnetic induction model, for a period of four months commencing in September. The exhibition, entitled ‘A Luz de Einstein’, is part of the 2005 Year of Physics, marking the 100th anniversary of Einstein’s 1905 publication on special relativity.

Behind the scenes

In September 2004 the DCF project team was joined by James Hyslop (BA, HPS 2004). James, who began working on an inventory project in the Museum stores after his graduation in July, was able to stay on with the Museum as a member of the DCF team. Lisa Newble is currently Acting Collections Manager.

The completion of the DCF archive project in April saw the departure of Dr Kees Rookmaaker who had been with the Museum since July 2004. Kees has moved to an exciting new project at the Department of Zoology.

George MacKerron (BA, Archaeology and Anthropology 2001) who joined the Whipple in July 2004 to develop the Whipple’s HEFCE funded ‘Gallery Challenge’ website, has now left the Museum and is currently teaching English in Cambridge.

Nathanael Huen joined the Museum for two weeks work experience in June. During his short stay with us, Nathanael worked on creating a new display case in the Main Gallery looking at recent acquisitions to the collection.

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:

- Museum Packaging and Storage – Lisa Newble, Ruth Horry and James Hyslop
- Inspiring Learning for All – Lisa Newble and Ruth Horry
- Accreditation Training – Lisa Newble
- Life Saver Babies and Children – Ruth Horry
Recent acquisitions

6004  Equilibrist
6005  Surveying prismatic compass
6006  Rule
6007  Abney level
6008  Lettering stencil
6009  Wooden imperial scale
6010  Aneroid altimeter
6011  Field hand lens
6012  Proportional dividers
6013  Protractors & set squares
6014  Children’s picture book
6015  Electronic pocket calculator
6016  Reigle platte
6017  Stoneware retort
6018  Stencil and pencil set
6019  Small chisel
6020  Odometer
6021  Protractor
6022  Magnifying lens
6023  Stereo equal area projection
6024  Compass set
6025  Measuring tape
6026  Click counter
6027  12inch steel rule
6028  Hirchwald’s blowpipe
6029  Prototype thermocouple
6030  Astronomical demonstrator
6031  Set of surgical instruments
6032  Brunsviga mechanical calculator
6033  Toe-tology print
6034  Print of Michael Faraday
6035  Print of Mary Somerville
6036  Print of John Leslie
6037  Print of John Herschel
6038  Print of Alexander von Humboldt
6039  Print of Abraham Werner
6040  Print of Alessandro Volta
6041  Print of F G W Struve
6042  Open Uni. McArthur microscope
6043  Kipp’s apparatus
6044  Otoscope, laryngoscope set
6045  Suturing needle set
6046  Horloge Stellaire nocturnal
6047  Wheatstone’s polar clock
6048  Polarisation projection slides
6049  Slide rule
6050  Compass for the blind
Individuals

Annual reports of members of the Department

Jon Agar

Jon Agar organised and taught on the new Part II Paper 10, on science and technology since the First World War. With Rob Doubleday and Martin Kusch, he organised the new Science and Technology Studies (STS) Workshop. He has also organised CRASSH events: on nanotechnology and emerging technologies (with Doubleday, 24 February 2005), on post-1945 science and government (Talking Off the Record, 11 May 2005), and Rethinking Science and Society (with Doubleday and Monica Konrad, 12 July 2005).

Agar has acted as research manager for the Royal Society of Arts’ Forum for Technology, Citizens and the Market project. In November 2004, the Forum launched its guidance, which helps science-based companies understand issues of public engagement. The guidance is now recommended by the DTI.

With calls for UK identity cards continuing to hit headlines, Jon was brought a critical historian’s perspective on the new proposals, via television and radio.

In Press

Books
Agar, J. Science in the Twentieth Century – and Beyond, Polity

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
March 2005
Agar, J. ‘History of science in 2055’, Cambridge Science Festival

April 2005
Agar, J. Plenary talk, Science-based Businesses and Social Research, a meeting co-hosted by the RSA’s Forum for Technology, Citizens and the Market and the ESRC’s Science & Society Programme

May 2005
Agar, J. ‘Physical sciences in the twentieth century’, four lectures for the Museum of the History of Science, University of Oxford
Agar, J. ‘From sea-change to loose change: how market talk entered science policy’, STS Workshop, Department of History and Philosophy of Science, University of Cambridge

Debby Banham

A busy teaching year for me: as well as the HPS Latin Therapy group, I’ve been teaching medieval Latin in London and Cambridge (for Madingley Hall), the usual palaeography, and two history courses, one on early medieval Cambridge, plus the odd bit of supervising. I’m still looking forward to seeing my revised chronology of pre-twelfth-century English medicine in print, and also to presenting the same work to the assembled Anglo-Saxonists in Munich.

Publications

Articles in journals
In Press

Articles in books

Lectures and conferences

October 2004

January 2005

May 2005
Banham, D. ‘Anglo-Saxon magic and medicine’, ‘The Heroic Age’ study day, Birkbeck College, London

August 2005

Andrew Barry

Andrew Barry was a Visiting Scholar at the International Center for Advanced Studies, New York University in 2004-05.

Publications

Books

Articles in books

Articles in journals

Reports

Lectures and Conferences

October 2004
Barry, A. ‘Public knowledge and demonstration: the politics of the pipeline’, International Center for Advanced Studies, New York University
Barry, A. ‘Contemporary British politics’, Georgian Institute for Public Affairs, Tbilisi

March 2005
Barry, A. ‘The commitment to transparency: reinventing the oil business in the South Caucasus’, Senior Seminar, Department of Social Anthropology, University of Cambridge

April 2005
Barry, A. ‘Transparency and secrecy’, seminar series on ‘Tradition and Innovation’, School of Social Sciences, University of Cardiff
Barry, A. ‘Cracks in the oil economy’, International Center for Advanced Studies, New York University

May 2005
Barry, A. ‘“Silent and unseen”: revealing secrets in an oil multinational’, Department of Geography, University of Durham
Barry, A. ‘Technological zones: a political geography of oil’, Historical Geography seminar, University of London

July 2005
Barry, A. ‘Scientific research and the economic demand’, plenary speaker, conference on the Cultural Politics of the Global Knowledge Economy, University of Lancaster
Barry, A. ‘The end of civil society’, Centre for the Study of Social and Cultural Change inaugural conference, University of Manchester

Public Experiment
March-October 2005

Research Grants
‘Social and Human Rights Impact Assessment and the Governance of Technology’, Economic and Social Research Council, £44,000, 2003-04
Wellcome Trust post-doctoral fellowship, ‘Experimenting with Human Beings in Gene Therapy’ (for A. Stockl), Principal Investigator, £99,624, 2003-06
‘Interdisciplinarity and Society: a critical comparative study’ (with M. Strathern and G. Born), Economic and Social Research Council, £182,000, 2004-06
AHRC, Creative and Performing Arts Fellowship, ‘Socially engaged Art and Social Research’ (for J Marriott), Sponsor, £153,000, 2005-07

Lorenzo Bernasconi Kohn

In Press

*Articles in books*

*Lectures and Conferences*

*April 2005*
Bernasconi Kohn, L. ‘Giddens and Kripke’, First Philosophy of the Social Sciences Workshop, Department of History and Philosophy of Science, University of Cambridge

*June 2005*
Bernasconi Kohn, L. ‘The fugitive “superlative fact”: Giddens meets Kripke’, First CPNSS/LSE Graduate Conference on Philosophy of Social Science

*July 2005*
Bernasconi Kohn, L. ‘Figments of the intellect: Wittgenstein’s rule-following considerations and the search for ontological explanations in contemporary social theory’, 37th World Congress of the International Institute of Sociology, Stockholm

Patrick J. Boner

In the autumn of 2004 Patrick studied at the University of Barcelona under the supervision of Prof. Miguel A. Granada. From January to February 2005, as the recipient of an Andrew W. Mellon Fellowship, he conducted research at the History of Science Collections, University of Oklahoma, under the guidance of Prof. Peter Barker. He returned to Cambridge for the beginning of Easter Term, upon which time he began helping organise Latin Therapy. Alongside two other seminars similarly offering linguistic therapy in German and Greek, Patrick intends to continue organising Latin Therapy throughout the following academic year.
Publications

Articles in journals

In Press

Articles in journals
Boner, P.J. ‘En busca del alma: análisis de la teoría del alma en el pensamiento astrológico de Kepler’, *Llull*

Reviews
Boner, P.J. Review of N. Fabbri, *Cosmologia e armonia in Kepler e Mersenne: contrappunto a due voci sul tema dell’harmonice mundi*, in *Renaissance Quarterly*

Lectures and Conferences

November 2004
Boner, P.J. ‘La teoría de Kepler sobre el alma en su reforma de la astrología’, Faculty of Philosophy, University of Barcelona

December 2004
Boner, P.J. ‘La sustancia del cielo: las conjeturas cosmológicas de Kepler sobre el génesis de la nueva estrella de 1604’, Department of History of Philosophy, University of Barcelona

February 2005
Boner, P.J. ‘New stars and snowflakes: Johannes Kepler on the comparison of the heavens and earth’, Department of the History of Science, University of Oklahoma

May 2005
Boner, P.J. ‘Kepler on the origins of comets: bridging the celestial and terrestrial realms’, Department of History and Philosophy of Science, University of Cambridge

July 2005
Boner, P.J. ‘Kepler on the origins of comets and other celestial novelties’, BSHS Annual Conference, University of Leeds

Peter J. Bowler

Professor Bowler took over as President of the British Society for the History of Science in July 2005 and has worked with other members of the society’s Council on a programme to redefine its aims and restructure its operations. He will serve as President of the History of Science section for the Dublin meeting of the British Association for the Advancement of Science in September 2005.

Publications

Books

Articles in books

Articles in journals
Bowler, P.J. ‘Revisiting the eclipse of Darwinism’, *Journal of the History of Biology* 38 (2005), 19-32
In Press

**Articles in books**

**Lectures and Conferences**

*August 2005*
Bowler, P.J. ‘Scientists and popular science writing in early twentieth-century Britain’, Joint HSS/BSHS/CSHPS Conference, King’s College, Halifax, Nova Scotia

**Alex Broadbent**

I am currently on sabbatical as President of the Graduate Union. I resume full-time research in July 2006. Meanwhile I am doing a little research – for pleasure! My project is a novel counterfactual theory of causation which simply and effectively deals with problems of pre-emption.

**Lectures and Conferences**

*June 2005*
Broadbent, A. ‘Reversing the counterfactual analysis of causation”, Novel Approaches in the Philosophy of the Natural Sciences and Mathematics, Bristol
Broadbent, A. ‘Realism, structure and reference”, CPNSS/Philosophy First Graduate Conference in the Philosophy of the Natural and Social Sciences, LSE

**Tatjana Buklijas**

Tatjana Buklijas has been appointed to a Wellcome Trust Research Fellowship to work on ‘The Politics of Anatomy in Vienna, 1914-1945’.

**Lectures and Conferences**

*April 2005*
Buklijas, T. “‘It is much easier to teach from copperplates and models than to dirty one’s hands with human flesh”: anatomy teaching, visual aids, and the changing setting of the Vienna School of Medicine, 1848-1900”, American Association for History of Medicine 2005 Meeting, Birmingham, Alabama

**Jeremy Butterfield**

The articles and reviews listed below are all available on the Pittsburgh e-archive in philosophy of science, and/or my webpage – together with some other papers too long for a journal!

**Publications**

**Books**

**Articles in books**

Articles in journals
Butterfield, J. ‘David Lewis meets Hamilton and Jacobi’, Philosophy of Science 71 (2004), 1095-1106

Reviews
Butterfield, J. Review of H. Pilkuhn, Relativistic Quantum Mechanics, in Contemporary Physics 45 (2004), 89

In Press

Articles in books

Articles in journals
Butterfield, J. ‘The rotating discs argument defeated’, British Journal for the Philosophy of Science

Reviews
Butterfield, J. Review of J. Barrow et al. (eds) Science and Ultimate Reality, in British Journal for the Philosophy of Science

Lectures and Conferences

October 2004
Butterfield, J. ‘The rotating discs argument defeated’, Philosophy Department, Rutgers University
Butterfield, J. ‘On symplectic reduction in classical mechanics’, History and Philosophy of Science Department, University of Pittsburgh

November 2004
Butterfield, J. ‘Some philosophical morals of Lagrangian mechanics’, Philosophy Department, University of Maryland

January 2005
Butterfield, J. ‘Some philosophical morals of classical mechanics’, Philosophy Department, Birkbeck College, University of London

February 2005
Butterfield, J. ‘Counting possibilities in classical mechanics’, Philosophy Department, University of California at Irvine
Butterfield, J. ‘On Noether’s Theorem in classical mechanics’, Philosophy Department, University of California at Santa Barbara

March 2005
Butterfield, J. ‘On the persistence of matter’, Philosophy Department, King’s College, University of London

April 2005
Butterfield, J. ‘Spacetime as a causal set; a philosopher’s introduction’, Physics and Philosophy Departments, University of Notre Dame
Butterfield, J. ‘1809: halfway through the woods: Tom Stoppard’s Arcadia and the history of mathematics’, University of Notre Dame

May 2005
Butterfield, J. ‘Spacetime as a causal set; a philosopher’s introduction’, Philosophy Departments, Universities of Konstanz and Pittsburgh

June 2005
Butterfield, J. ‘On Symplectic Reduction in classical mechanics’, University of Oxford

August 2005
Butterfield, J. ‘Against Pointillisme in geometry and mechanics’, 28th International Wittgenstein Conference on Time and History
Victoria Carroll

In Press

Articles in books

Soraya de Chadarevian

Soraya de Chadarevian has been on leave from Cambridge University from October 2004 while spending a year as senior research fellow at the Max Planck Institute for the History of Science in Berlin.

Publications

Articles in books


In Press

Articles in books
de Chadarevian, S. ‘Storia di una scoperta’ in Cinquantenario della scoperta della struttura a doppia elica del DNA, Istituto Lombardo di Scienze e Lettere (also to appear in Spanish translation)
de Chadarevian, S. ‘Modelle und die Entstehung der Molekularbiologie’ in C. Blümle and A. Schäfer (eds) Abstraktion in Kunst und Lebenswissenschaften, Diaphanes

Articles in journals
de Chadarevian, S. ‘Asilomar – ein Moratorium und was daraus geworden ist’, Gegenworte (2005)

Reviews

Lectures and Conferences

November 2004

December 2004
de Chadarevian, S. ‘Beyond the double helix: genetics in the atomic age’, seminar talk, Harvard University

February 2005

March 2005
de Chadarevian, S. ‘The genetics experiment in 1950s Britain’, seminar talk, Max Planck Institute for the History of Science, Berlin

April 2005
de Chadarevian, S. ‘A historian’s experience working on current science’, at meeting History of Science: Archives and Oral History, The Banbury Center, Cold Spring Harbor Laboratory, Cold Spring Harbor

de Chadarevian, S. ‘Beyond the double helix: genetics in the atomic age’, seminar talk, UCLA

May 2005

de Chadarevian, S. ‘Models: the third dimension of science’, talk at Zentrum fuer Wissenschafts- und Technikforschung, University of Bielefeld

de Chadarevian, S. ‘The value of oral history’, Second International Workshop on Genetics, Medicine and History at Mendel Center, Brno, Czech Republic; co-organiser of two-day meeting
June 2005

de Chadarevian, S. ‘Models: the third dimension of science’, Institute Kolloquium, Max Planck Institute for the History of Science, Berlin

de Chadarevian, S. Commentary at symposium Metaphors and Microbes, Centre for History of Knowledge, University of Zuerich

July 2005

de Chadarevian, S. ‘Collecting and modern biology’, Ischia Summer School Gathering Things, Collecting Data, Producing Knowledge: The Use of Collections in Biological and Medical Knowledge Production from Early Modern Natural History to Genome Databases

de Chadarevian, S. ‘The aesthetics of molecular modeling – sorting out the questions’, ISHPSSB meeting, University of Guelph, Canada

September 2005

de Chadarevian, S. Panellist at meeting Towards a Theoretical Biology Continued – The Waddington’s Centennial, Konrad Lorenz Institute, Altenberg, Austria

Cristina Chimisso

Cristina Chimisso is Lecturer in European Studies in the Department of Philosophy at the Open University, and the Secretary of the British Society for the History of Philosophy.

Publications

Articles in books


Articles in journals


Reviews


In Press

Articles in books


Chimisso, C. ‘Ian Hacking’ in M. Marassi and A. Pieretti (eds) Enciclopedia Filosofica, Sansoni

Reviews


Lectures and Conferences

November 2004

Chimisso, C. ‘From phenomenology to phenomenotechnique: the role of early twentieth-century physics in Gaston Bachelard’s philosophy’ workshop, Max Planck Institute for the History of Science, Berlin

At the above workshop, commentary on A. Warwick’s ‘Rethinking the early history of x-rays in medicine through orthopaedic surgery in the German speaking lands’

March 2005

Chimisso, C. ‘Bachelard’s philosophical third way’, OU Philosophy Department research conference, St Edmund’s Hall, Oxford
Alix Cohen

Publications

Articles in journals
Cohen, A. ‘Kant’s antinomy of reflective judgment: a re-evaluation’, *Teorema* 24 (2005); winner of the 2005 Teorema essay prize

Lectures and Conferences

Michaelmas 2004
Cohen, A. ‘Kant and the human sciences’, Faculty of Philosophy, University of Cambridge

August 2005
Cohen, A. ‘Kant’s antinomy of reflective judgment: a re-evaluation’, Fifth European Congress for Analytic Philosophy, Lisbon, Portugal

September 2005
Cohen, A. ‘Physiological anthropology vs. pragmatic anthropology: a response to Schleiermacher’s objection to Kant’s anthropology’, Tenth International Kant Congress, Sao Paulo, Brazil

Christopher Cullen

Christopher Cullen is Director of the Needham Research Institute. He has been elected as President of the International Society for the History of East Asian Science Technology and Medicine (ISHEASTM), to hold office from 2005-2008, and is also the President of the East Asia Commission of the Division of the History of Science and Technology, International Union for the History and Philosophy of Science. In June 2005 he was elected to an Official Fellowship at Darwin College.

Publications

Books
As General Editor of series:
    *Science and Civilisation in China*, Volume 5, Chemistry and Chemical Technology Part 12, Ceramic Technology. 
    Rose Kerr and Nigel Wood, Cambridge, 2004

Articles in journals
Cullen, C. ‘Jianqiao Li Yuese Yanjiusuo he “Zhongguo Kexue Jishu Shi”’, *Chinese Journal for the History of Science and Technology* 26 (2004), 65-69

In Press

Articles in journals

Lectures and Conferences

November 2004
Cullen, C. ‘Building cross-cultural bridges through translation: the case of mathematics’, public lecture as Wilson T.S. Wang Visiting Professor, Chinese University of Hong Kong; also gave seminars on the Suan shu shu and ‘The roots of a Chinese Parliament’
Cullen, C. ‘The retrospective invention of discovery: China and the sphericity of the Earth’, *Sciences in Asia: Representations and Historiography, 17th to 20th Centuries*, Needham Research Institute; also co-organised the meeting

**June 2005**
Cullen, C. ‘La table solaire du Hanli “Système astronomique de la dynastie Han”’, Séminaire d’histoire et d’épistémologie des mathématiques, Laboratoire REHSEIS (UMR 7596, CNRS et Université Paris 7), Journée d’étude sur les tables numériques

**July 2005**
Cullen, C. ‘Shifting tectonic plates in the history of science’, plenary lecture at the XXIIInd International Congress of History of Science, Beijing

**August 2005**
Cullen, C. ‘Making and transmitting mathematical knowledge in Ancient China: some comparative considerations’, plenary lecture at the 11th International Conference on the History of Science in East Asia, Munich

**Katrina Dean**

**Lectures and Conferences**

**November 2004**
Dean, K. ‘Biographical actors: on reading the scientific archive’, *Unleashing the Archive: a conference celebrating the 10th anniversary of the University of London’s School of Advanced Study, Senate House*

**February 2005**
Dean, K. ‘Telegraph Todd: reconfiguring spaces of knowledge and settlement in central Australia’, Human Geography Seminar, School of Geographical Sciences, University of Bristol

**March 2005**

**May 2005**
Dean, K. ‘Antarctic data in science and government’, *Talking off the Record: Conversations in Science and Government*, Centre for Research in the Arts, Social Sciences and Humanities University of Cambridge symposium, Churchill College, Cambridge

**August 2005**
Dean, K., Naylor, S. and Siegert, M. ‘Science and geopolitics in Antarctica’, session on the Spaces and Politics of Exploration at the Royal Geographical Society and Institute of British Geographers Annual Conference

**Ipek Demir**

Ipek Demir is an ESRC postdoctoral fellow. She joined HPS on 1 July 2005. She recently completed her DPhil studies in Social and Political Thought at the University of Sussex. Her DPhil thesis focused on the works of Thomas Kuhn and Alasdair MacIntyre, in particular their ideas on community, tradition and incommensurability.

**In Press**

**Articles in books**
Paul Dicken

In Press

*Articles in journals*

Dicken, P. ‘Can the Constructive Empiricist be a Nominalist? Quasi-truth, commitment and consistency’, *Studies in the History and Philosophy of Science*

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* (A compendium of Arabic sciences, c. 10th cent.). In addition, he is coordinating an Arabic classics project with the Institut Français d’Études Arabes de Damas, and he serves on the editorial board of book series published by Kluwer Academic Publishers (Dordrecht), and Lexington Books (Maryland). He is also an elected member of the steering committee of the Société Internationale des Sciences et des Philosophies Arabes et Médievales (A society linked to the CNRS, Paris, and publishes the journal *Arabic Sciences and Philosophy* in association with Cambridge University Press).

Publications

*Articles in journals*


*Articles in encyclopaedias*


In Press

*Articles in books*


El-Bizri, N. ‘Hermeneutics and tradition’ in B. Koroglu et al. (eds) *Rethinking the Classical*, Foundation of Sciences and Arts, Istanbul

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


El-Bizri, N. ‘La nature dans la pensée arabe’ in N. Tazi (ed.) *La nature*, Editions la Découverte


*Articles in journals*

El-Bizri, N. ‘A philosophical perspective on Alhazen’s Optics’, *Arabic Sciences and Philosophy* 15
Articles in encyclopaedias

Lectures and Conferences

October 2004
El-Bizri, N. ‘Hermeneutics and tradition’, Rethinking the Classical Symposium, Foundation of Sciences and Arts in Istanbul, in association with the University of Marmara

September 2005
El-Bizri, N. ‘Le problème de l’espace’, Colloquio Internazionale: Oggetto e spazio, fenomenologia dell’oggetto, forma e cosa, dal secolo XIV al secolo XVII, University of Perugia, in association with the University of Florence and the University of Naples

Jim Endersby

During the third year of my research fellowship at Darwin College I signed a contract for my book, Imperial Nature: Joseph Dalton Hooker and the Practices of Victorian Science, with the University of Chicago Press. I spent most of the year researching and writing my Guinea Pig’s History of Biology, which won the inaugural Royal Society of Literature’s Jerwood Prize for an unpublished work of non-fiction.

I have been teaching regularly in the Department, on the nineteenth- and twentieth-century life sciences, and have been Director of Studies in HPS for St John’s College.

I played Joseph Hooker in a dramatised reading of the Hooker-Darwin letters at the Centre for Research in the Arts, Social Sciences and Humanities (CRASSH) at Cambridge, an event which was so successful that it’s likely to be repeated elsewhere. I’ve also been on the radio for the first time: I was invited to participate in a discussion programme on ‘Extinction’ (WBEZ Chicago Public Radio’s Odyssey programme) and was interviewed for a feature on Joseph Hooker, part of a series on plant hunting for BBC Radio 4’s Gardeners’ Question Time.

Publications

Articles in books

Reviews
I have reviewed a number of books for the Times Literary Supplement, and have an essay review of new books on Alfred Russel Wallace forthcoming in Minerva.

Forthcoming

Books
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. This will cover a chronological range from the early nineteenth century to the present day, and will include current work on Arabidopsis, Zebra fish and OncoMouse. I am under contract with William Heinemann Ltd to deliver the book in 2005 for publication in May 2006.

I have also been commissioned by Cambridge University Press to prepare a new scholarly edition of Darwin’s Origin of Species, to be published in 2009 (to coincide with the Darwin bicentenary and the Origin’s sesquicentenary). The edition will include: a substantial introductory essay (c.20,000 words); explanatory and biographical notes; a chronology of Darwin’s life and times; an appendix on textual variations over the six editions; a comprehensive bibliography; and, researching new illustrations.
Lectures and Conferences

Forthcoming: November 2005
I have organised a session entitled ‘Classifying empires: natural history between centre and periphery’ for the HSS meeting in Minneapolis

Patricia Fara

Publications

Books

Articles in books

Articles in journals
Fara, P. ‘The maestro of time’, History Today (55/4), 28-33
Fara, P. ‘Leibniz’s women’, Endeavour 28 (2004), 146-148
Fara, P. ‘Monuments to Einstein’, Endeavour 29 (2005), 58-59
Fara, P. ‘The melancholy of anatomy’, Endeavour 29 (2005), 20-21
Fara, P. ‘Curicatures’, Endeavour 28 (2004), 101-103
Fara, P. and Gaskell, R. ‘Selling the silver: country house libraries and the history of science’, Endeavour 29 (2005), 14-19

Reviews
Fara, P. Review of T.P. Hughes, Human-Built World: How to Think about Technology and Culture, in THES, 4 March 2005, 29

In Press

Articles in books
Fara, P. ‘Framing the evidence: scientific biography and portraiture’ in T. Söderqvist (ed.) The Poetics of Biography in Science, Technology and Medicine, Ashgate
Fara, P. ‘Educating Mary: women and scientific literature in the early nineteenth century’ in C. Knellwolf (ed.) Essays on Frankenstein, Ashgate

Articles in journals
Fara, P. ‘Hidden depths: Halley, hell and other people’, Studies in History and Philosophy of Biological and Biomedical Sciences
Fara, P. ‘Michael Faraday, media man’, Endeavour
Fara, P. ‘Scientific coats-of-arms’, Endeavour

Reviews
Fara, P. Review of the Enlightenment Gallery at the British Museum, in British Journal for the History of Science
Fara, P. Review of I.R. Morus, When Physics Became King, in Notes and Records of the Royal Society
Fara, P. Review of M. Ben-Chaim, Experimental Philosophy and the Birth of Empirical Science: Boyle, Locke and Newton, in Annals of Science


**Lectures and Conferences**

*November 2004*
Fara, P. ‘Imperial pictures’, Chelsea Physic Garden
Fara, P. ‘Caroline and William Herschel’, Slough Literary Festival
Fara, P. ‘Women, science and power in the Enlightenment,’ Chemistry Department, University of Cambridge
Fara, P. ‘Hidden depths: Halley, hell and other people’, History Faculty, University of Oxford
Fara, P. ‘Frankensteinian fantasies: Mary Shelley meets Edmond Halley and Niels Klim’, Institute of Historical Research, London
Fara, P. ‘Frankensteinian fantasies: Mary Shelley meets Edmond Halley and Niels Klim’, History Faculty, University of Cambridge

*March 2005*
Fara, P. ‘Hidden depths: Halley, hell and other people’, Department of Philosophy, University of Leeds

*June 2005*
Fara, P. ‘Fatal attraction’, Café Scientifique, Cambridge

**John Forrester**

John Forrester acted as Chair of the Board of History and Philosophy of Science and the HPS Degree Committee. He continued to co-convene (with Deborah Thom) the Research Seminar on History of Psychiatry, Psychoanalysis, Psychology and Allied Sciences. He continued to act as co-convenor, with Prof Mary Jacobus of the Faculty of English, of an interdisciplinary group, Culture and History of Psychoanalysis, sponsored by CRASSH, and its reading group, which was devoted in all three terms to the writings of Derrida on psychoanalysis. He continued to participate in a workshop devoted to ‘Knowledge and Belief’, organized by the Max Planck Institut für Wissenschaftsgeschichte, Berlin; he continues to edit the journal *Psychoanalysis and History*. He acted as External Examiner, MSc Psychoanalytic Studies, University of Essex.

**Publications**

**Books**

**Articles in journals**
Forrester, J. ‘A tale of two icons: “The Jews all over the world boast of my name, pairing me with Einstein” (Freud, 1926)’, *Psychoanalysis and History* 7(2) 205-226; appears in German translation in M. Hagner (hrsg.) (2005) *Einstein on the Beach*, Fischer Taschenbuch Verlag, pp. 96-123, 304-308

**Lectures and Conferences**

*December 2004*

*January 2005*
Forrester, J. ‘Is there a typical “psychoanalytic culture” and did the development of psychoanalysis in Britain conform to such a standard model?’, paper delivered to British Psycho-Analytic Society, Applied Section, London

*February 2005*
Forrester, J. and Blackburn, S. ‘The Derrida-Searle debate’, a re-enactment organised by the Amoral Sciences Club, Cambridge, Emmanuel College

*March 2005*
Forrester, J. ‘Foucault, the individual and sexuality’, paper (with commentary by Simon Goldhill) given to the conference on *Foucault in Cambridge*, King’s College, Cambridge

*May 2005*
Forrester, J. ‘Cognitive-behavioural therapy and psychoanalysis: some remarks’, panel, CBT or Desire?, Third International Congress of the New Lacanian School, *Going through Anxiety?*, SOAS, University of London
Marina Frasca-Spada

Marina Frasca-Spada is still an Affiliated Lecturer; a member of the HPS Board and Degree Committee; the Co-Editor of Studies in History and Philosophy of Science and the Associate Editor of Studies in History and Philosophy of Biological and Biomedical Sciences; and a member of the Kant Reading Group. Also member of the Management Committee of the British Society for the History of Philosophy and co-organiser with P. Kail of a special interest group on Hume; HPS DoS, Graduate Tutor and Official Fellow of St Catharine’s College; and Philosophy DoS at Lucy Cavendish. In 2004-05 she was Acting DoS in HPS at Christ’s and Trinity in the Michaelmas and Lent Terms, and, in the Easter Term, Newnham and Trinity Hall; in Philosophy at St Catharine’s and, in the Easter Term, at Peterhouse.

Publications

Books

Articles in books
Frasca-Spada, M. ‘Quixotic confusions and Hume’s imagination’, in Impressions of Hume

Aileen Fyfe

Aileen Fyfe is still in the Department of History at the National University of Ireland, Galway, where she has been promoted from Junior Lecturer to College Lecturer. This year, she was the recipient of a Government of Ireland Fellowship from the Irish Research Council for Humanities and Social Sciences, which gave her a full year of teaching relief. She spent most of the year as a Visiting Scholar in HPS, with the remainder at the American Antiquarian Society, funded by a grant from the Bibliographical Society of America. She continues as Treasurer of the British Society for the History of Science, and has been appointed to the Royal Irish Academy’s national committee on the history of Irish science. She was one of the organisers of a day-conference in Dublin on ‘Science and Technology in Ireland, 1780-1920’, and she represented the United Kingdom at the 22nd International Congress of the History of Science in Beijing.

Publications

Articles in books

Articles in journals
Fyfe, A. ‘Conscientious workmen or booksellers’ hacks? The professional identities of science writers in the mid-nineteenth century’, Isis 96 (2005), 192-223
Fyfe, A. ‘Part of the culture: magazines and journals reveal how the Victorians viewed science’, Nature 433 (2005), 459-460

Lectures and Conferences

October 2004
Fyfe, A. ‘Steam-powered information: the British and American publishing activities of W.&R. Chambers, c.1830-60’, Cultural History seminar, University of Aberdeen

November 2004
Fyfe, A. ‘Steam-powered Information: the British and American publishing activities of W.&R. Chambers, c.1830-60’, Bodies of Knowledge seminar, University of Kent

March 2005
Fyfe, A. ‘Scientific publishing in Scotland 1800-1880’, History of the Book in Scotland vol. 3 workshop, University of Edinburgh

July 2005
Fyfe, A. ‘Communicating Science in the days before ‘Science’: self-improvement, religion and technological progress’, British Society for the History of Science annual meeting, Leeds
Axel Gelfert

At the time of sending in his report, Axel was just about to submit his PhD thesis; he should now be awaiting his viva. In October, he will take up a Junior Fellowship at the Collegium Budapest (Institute for Advanced Study).

Publications

Articles in encyclopaedias

Articles in journals

Reviews

In Press

Articles in journals
Gelfert, A. ‘Mathematical rigor in physics: putting exact results in their place’, Philosophy of Science (2005)

Prizes

March 2005
Recipient of the 2005 Graduate Essay Prize, for his paper ‘Kant on testimony’, awarded by the British Society for the History of Philosophy (BSHP)

Lectures and Conferences

November 2004
Gelfert, A. ‘Mathematical rigor in physics: being realistic about exact results’, Biennial Meeting of the Philosophy of Science Association (PSA) 2004, Austin, Texas

December 2004
Gelfert, A. ‘Elements of a history of the epistemology of testimony’, Philosophy Workshop, Department of History and Philosophy of Science, University of Cambridge

March 2005
Gelfert, A. ‘Kant on testimony’, Kant, Morality and the Sciences: A One-Day Conference, Department of History and Philosophy of Science, University of Cambridge

July 2005
Gelfert, A. ‘Vindicating Locke on testimony’, Joint Session of the Aristotelian Society and the Mind Association, University of Manchester

September 2005
Gelfert, A. ‘Kant on testimony’, International Symposium ‘Knowledge and Testimony’, Canadian Society for Epistemology, Université de Sherbrooke, Québec

Jeremy Gray

Jeremy Gray was appointed editor of the section on Mathematics and Logic for the New Dictionary of Scientific Biography (editor-in-chief Noretta Koertge).
Publications

Articles in books

In Press

Articles in books

Lectures and Conferences

September 2004
Gray, J.J. ‘Hilbert and the Göttingen community’ and ‘How and where to put the mathematics – the case of Poincaré’, keynote speaker at the Dutch Mathematical Society instructional conference on the history of mathematics, the Stieltjes Institute, Leiden and invited speaker at the Stieltjes Institute

April 2005
Gray, J.J. ‘Poincaré’s electro-magnetic theory: philosophy and physics in 1900’, Visiting Fellow at the Erwin Schrödinger Institute, Vienna

May 2005
Gray, J.J. ‘Discovery and proof in mathematics from Hilbert to Plücker’, invited speaker at the conference Proof in Mathematics: Logical, Historical and Philosophical Approaches, Lille, France

James Hannam

In Press

Reviews

Lectures and Conferences

January 2005
Hannam, J. ‘Church discipline of natural philosophers: the case of Cecco d’Ascoli’, BSHS postgraduate conference, University of Cambridge

March 2005
Hannam, J. ‘Medieval Latin and the EU’, Brian Riley Declamation Prize winner, Pembroke College, Cambridge
Dan Heard


**In Press**

*Articles in journals*
Heard, D. ‘A new problem for ontological emergence’, *The Philosophical Quarterly*

Nick Hopwood

Nick Hopwood was promoted to a University Senior Lectureship. He continued as Part II manager, chair of the monitoring committee and director of studies in HPS at Corpus Christi College. He also carried on running the History of Modern Medicine and Biology Seminar. In Easter Term, with funding from our Wellcome enhancement award in the history of medicine, he organized a new interdisciplinary seminar series, ‘From generation to reproduction’, and (with Sarah Wilmot) a workshop, ‘Between the farm and the clinic: agriculture and reproductive technology in the twentieth century’.

**Publications**

*Articles in journals*
Hopwood, N. ‘Visual standards and disciplinary change: normal plates, tables and stages in embryology’, *History of Science* 43 (2005), 239-303

*Reviews*

**In Press**

*Articles in books*

**Lectures and Conferences**

*October 2004*
Hopwood, N. ‘Model embryologist and embryo: Carl Seffner’s marble portrait of Wilhelm His’, conference on ‘L’embryon humain face au temps de l’histoire, face au temps de la vie’, University of Fribourg, Switzerland

*November 2004*
Hopwood, N. ‘Illustrations and accusations: Ernst Haeckel’s comparative embryological plates’, Department of Genetics, University of Cambridge

*December 2004*
Hopwood, N. ‘“Ourselves unborn”? Human embryology before IVF’, workshop on ‘History and ethics of human reproduction and embryo research’, Centre for the History of Medicine and Disease, University of Durham

*February 2005*
Hopwood, N. ‘Model embryos’, Huntingdon General Practice Vocational Training Scheme, Cambridge
Hopwood, N. ‘“The proletariat can find in my preparations protection for their corpses”: politics of anatomical modelling’, History of Modern Medicine and Biology Seminar, Department of History and Philosophy of Science, University of Cambridge

*April 2005*
Hopwood, N. ‘“The proletariat can find in my preparations protection for their corpses”: modellers’ strategies and medical authority’, AAHM annual meeting, Birmingham, Alabama
July 2005
Hopwood, N. ‘Collections in embryology: media and standards’, 9th Ischia Summer School on the History of Life Sciences, Ischia, Italy

August 2005
Hopwood, N. Contribution to Self-Made Things, BBC Radio 4

Annette Imhausen

In Press

Articles in journals

Lectures and Conferences

October 2004
Imhausen, A. Workshop ‘Egyptian mathematics’, Old Royal Naval College, University of Greenwich

December 2004
Imhausen, A. ‘Ancient Egyptian mathematical texts: a new interpretation’, Showcase Seminar on History of Mathematics, Ramjas College, University of Delhi, India
Imhausen, A. ‘A general survey of Egyptian mathematics’, International Conference on History and Heritage of Mathematical Sciences Holkar Science College, Indore, India

January 2005
Imhausen, A. ‘Mathematik und Gesellschaft im Alten Ägypten (mathematics and society in Ancient Egypt)’, Wissenschaftshistorisches Kolloquium der Arbeitsgruppe Wissenschaftsgeschichte, Historisches Seminar der Johann Wolfgang Goethe-Universität, Frankfurt, Germany

February 2005
Imhausen, A. ‘Mathematics: History and Culture, Lecture 2’, University of Exeter

June 2005
Imhausen, A. ‘Egyptian mathematical calculation techniques and their tools’, Séminaire histoire et épistémologie des mathématiques, journée: tables numériques, RHESEIS/CNRS Université de Paris 7, France
Imhausen, A. ‘Administration, education, representation: the various uses of mathematics in Ancient Egypt’, Henk Bos Valedictory Symposium, Department of Mathematics, University of Utrecht, Netherlands

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 Debby Banham, Patrick Boner and Jason Rampelt 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. He has continued to help with the organisation of the Cabinet of Natural History and the Kant Reading Group. The British Academy has continued its support for his project in collaboration with Alain Seegods (CNRS, Paris), ‘Conflict and priority in early-modern astronomy’.

Publications

Articles in books

Articles in journals
Jardine, N. ‘Etics and emics (not to mention anemics and emetics) in the history of the sciences’, History of Science 42 (2004), 261-278
Jardine, N. ‘Tycho vs Ursus: the build-up to a trial’, *Journal for the History of Astronomy* 36 (2005), pp. 81-106 and 125-165 (including ‘The lost copy of Ursus’s *De astronomicis hypothesibus* marked for use in his trial’ (with K. Tybjerg); ‘Tycho pursues a dead poet’ (with A. Segonds and D. Launert); ‘Ursus’s anonymous pamphlet on the ancient origins of geoheliocentric hypotheses’ (with D. Launert and A. Segonds); ‘The formal refutation of Ursus’s *Demonstratio* by Johannes Müller, briefed by Tycho Brahe’ (with A. Segonds); ‘Kepler’s refutation of Ursus’s *Demonstratio*’ (with K. Harloe))

**In Press**

**Books**

**Articles in books**

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**Richard Jennings**

Richard Jennings continues to supervise about half of the HPS Ib students in philosophy of science, and directs the studies of about a third of them. In addition to giving Department 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 and for the Graduate programme at the Wellcome Trust Sanger Institute. He 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. In July he taught History of Natural Philosophy to students in 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**

**Articles in journals**
Jennings, R. ‘Professional organizations and political action – is there an ethical issue?’, *ITNOWextra* British Computer Society online magazine: http://www.bcs.org/BCS/Products/Publications/JournalsAndMagazines/ComputerBulletin/OnlineArchive/may05/itnowextra/organizations.htm.
Jennings, R. ‘Data selection and responsible conduct: was Millikan a fraud?’, *Science and Engineering Ethics* 10 (2004), 639-653

**Reviews**

**In Press**

**Articles in books**
Jennings, R. ‘Health and safety in IT use’ and ‘Web accessibility’ in Institute of Business Ethics, *Ethical Uses in the Use of IT*

**Articles in journals**
Jennings, R. ‘Science, truth and ethics’, *Think*

**Reviews**

Lectures and Conferences

October 2004
Jennings, R. ‘Ethical and social issues in biotechnology and nanotechnology’, joint meeting of the MPhil programmes in biotechnology and nanotechnology enterprise

November 2004
Jennings, R. ‘Two kinds of ethical problems in science’, Cambridge University Physics Society

December 2004
Jennings, R. ‘The BCS and political action: is there an ethical issue?’, Qualification and Standards Board of the British Computer Society

February 2005
Scientists for Global Responsibility stall at ‘The Works’ – Cambridge University’s alternative careers fair

June 2005
Jennings, R. ‘Ethical and legal aspects of research workshops’, Graduate School of Biological Sciences

Stephen John

Publications


Lectures and Conferences

March 2005
John, S. ‘Risk, the blame culture and freedom from fear’, Strangeways Laboratory Research Seminar, University of Cambridge

April 2005
John, S. ‘Liberty, equality, security: some thoughts on the lost value of political philosophy’, Philosophy Workshop, Department of History and Philosophy of Science, University of Cambridge

June 2005
Member, ‘expert panel’, ‘Public forum on public health genetics’, Cambridge Genetics Knowledge Park

July 2005
John, S. ‘Is there an obligation to take part in medical research?’, ‘Beyond Consent’ Conference, Hinxton Conference Centre (to be included in published conference proceedings, in 2006)

Peter Jones

Peter Jones continues to lecture on ‘Medicine and Communication 1375-1640’ for the Medicine from Antiquity to the Enlightenment paper for Part II. He is Fellow and Librarian at King’s College, and is also course leader on Disease and Society in Pre-Industrial Europe, 1348-1665, a Part I Themes and Sources option for the Faculty of History.

Publications

Books

Articles in books
In Press

Articles in books
Jones, P.M. ‘Medical libraries’ in E. Leedham-Green and M.T. Webber (eds) The History of Libraries in Britain and Ireland, vol. 1, Cambridge University Press

Lectures and Conferences

November 2004

June 2005
Jones, P.M. ‘Keynes and the arts’, John Maynard Keynes day, King’s College, Cambridge

July 2005
Jones, P.M. ‘The remains of Lady Anne Mowbray’, International Medieval Congress, Leeds

Lauren Kassell

Publications

Books

Articles in books

Articles in journals

In Press

Articles in books

Articles in journals
Kassell, L. “‘All Was This Land Full Fill’d of Faerie’, or magic and the past in Early Modern England’, Journal of the History of Ideas 67 (2006) [as part of a forum on histories of science, and with an introduction by Kassell and R. Goulding]

Lectures and Conferences

November 2004
Kassell, L. “‘All Was This Land Full Fill’d of Faerie’, or magic and the past in Early Modern England”, in a session on ‘A Just Story of Learning: Histories of Science in Early Modern Europe’, History of Science Society Meeting, Austin, Texas
February 2005
Kassell, L. ‘“All Was This Land Full Fill’d of Faerie” or magic and the past in Early Modern England’, Early Modern History and the Scientific Imagination Seminar (EMPHASIS), Birkbeck, London

April 2005
Kassell, L. ‘Simon Forman’s final words; final words on Simon Forman’, Treadwell’s, London

September 2005
Kassell, L. and Raymond, J. (co-organisers) Conversations with Angels, a two-day interdisciplinary conference, supported by CRASSH and the British Academy

Melanie Keene
Melanie Keene organised the Cabinet of Natural History seminars in 2004-05.

Lectures and Conferences

November 2004
Keene, M. ‘John Mill’s The Fossil Spirit: A Boy’s Dream of Geology: education and the voices of science in Victorian Britain’, Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

January 2005
Keene, M. ““Every boy & girl a scientist”: construments and the domestication of scientific instruments in inter-war Britain’, BSHS Postgraduate Conference, University of Cambridge

April 2005
Keene, M. ‘“Every boy & girl a scientist”: constructing construments communities in inter-war Britain’, ‘Technology in Context’ seminar, Open University

June 2005
Keene, M. ““An object in every walk”: Gideon Mantell and the art of seeing pebbles’, Cabinet of Natural History Garden Party, Department of History and Philosophy of Science, University of Cambridge

Martin Kusch
Martin Kusch acted as MPhil manager in Michaelmas Term. He was on sabbatical leave in Lent and Easter Terms. He served as Advisory Editor for Studies in the History and Philosophy of Science, and as Consulting Editor of Episteme. He continued – and finished – working on a book defending Kripke’s interpretation of Wittgenstein. In June 2005 he gave the ‘Leibniz Lectures’ at the University of Hannover.

Publications

Books

Articles in journals
Kusch, M. ‘Rule-scepticism and the sociology of scientific knowledge’, Social Studies of Science 34 (2004), 571-591
Kusch, M. ‘Reply to my critics’, Social Studies of Science 34 (2004), 615-620

In Press

Books
Kusch, M. A Sceptical Guide to Rule-Following: Defending Kripke’s Wittgenstein, Acumen

Articles in books
Kusch, M. ‘Hintikka on Heidegger and truth’ in L. Hahn (ed.) Jaakko Hintikka (Library of Living Philosophers)
Kusch, M. ‘Barnes on freedom of the will’ in M. Mazzotti (ed.) Festschrift for Barry Barnes
Articles in journals
Kusch, M. ‘Beliefs, kinds and rules: a comment on Kornblith’, Philosophy and Phenomenological Research

Lectures and Conferences
January 2005
Kusch, M. ‘Zeugen und Zeugnisse als Wissensquelle?’, Philosophisches Institut, Universität Dortmund
Kusch, M. ‘Relativismus ja Skeptizismus’, Science Week, Helsinki
Kusch, M. ‘On folk psychology’, Max-Planck Institute for Research on Collective Goods, Bonn
Kusch, M. ‘Free will as social institution’, Kulturwissenschaftliches Institut, Universität Essen

March 2005
Kusch, M. ‘Skeptizismus und Relativismus’, Philosophisches Institut, Universität Basel
Kusch, M. ‘Relativismus und Infallibilismus in Platos Theaitetos’, Philosophisches Institut, Basel

May 2005

June 2005

July 2005
Kusch, M. ‘Relativism and scepticism in science studies’, keynote address, Swiss Society for Social Studies of Science, Basel

August 2005
Kusch, M. ‘Testimony and performatives’, keynote address, Ittingen Summer School

Sachiko Kusukawa
I have continued to organise workshops as team-leader in the ESF programme ‘From Natural Philosophy to Science’, and am working with Andrew Cunningham on a translation of the four books (dealing with natural philosophy) in Gregory Reisch’s Margarita Philosophica and a monograph, ‘Picturing the Book of Nature in the Renaissance’, which deals with the uses of pictures in the study of nature in the sixteenth century.

Publications

Articles in books

Preprints

Reviews

In Press

Books

Articles in books

Lectures and Conferences

September 2004
Kusukawa, S. ‘Early modern botanical illustration: the relationship between word and image’, Clusius in Context, Universiteitsbibliotheek Leiden and the Scaliger Institute

October 2004
Kusukawa, S. ‘From counterfeit to canon, the uses of pictures by Andreas Vesalius’, Departmental Colloquium (Abt. II, Prof. L. Daston) The Max-Planck Institute for the History of Science, Berlin

November 2004
Kusukawa, S. ‘In search of the absolute: the importance of pictures for Leonhart Fuchs and Andreas Vesalius’, The 19th International Workshop on the History and Philosophy of Science in Tel Aviv and Jerusalem: Picture and Text: visualization and knowledge in the evolution of culture, The Van Leer Jerusalem Institute; The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University; The Edelstein Center for the History and Philosophy of Science, Technology and Medicine, The Hebrew University of Jerusalem, Tel Aviv and Jerusalem, Israel

February 2005
Kusukawa, S. ‘Picturing objects of knowledge in the sixteenth century: the cases of Fuchs, Vesalius and Gessner’, History and Philosophy of Science and Technology Colloquia, Stanford University
Kusukawa, S. ‘In search of the absolute: pictorial knowledge in 16th century anatomy and botany’, Colloquium, History Department, Center for 21st Century Studies, and the Early Modern Research Workshop, University of Wisconsin, Milwaukee

May 2005
Kusukawa, S. ‘Picturing objects of knowledge in the sixteenth century: the cases of Fuchs, Vesalius and Gessner’, Center for History of Science, Ghent University
Kusukawa, S. ‘Andreas Vesalius and the canonization of the human body, res verba, pictura’, Seeing Science, Image, nature and text 1500-1800, Princeton University, organized by D. Bleichmar and A. Grafton
Kusukawa, S. ‘Early Modern calendars and the diffusion of medical astrological ideas’, Le discours medicale comme norme de l’existence humaine en Europe 16e – 18e siècles, Université Paris IV – La Sorbonne, organised by M. Gaille-Nikodimov and C. Crignon-De Oliveira

July 2005
Kusukawa, S. ‘Res, verba, pictura: the formation of botanical knowledge in sixteenth-century Europe’, Ways of Making and Knowing: The Material Culture of Empirical Knowledge (Victoria and Albert Museum), the Wellcome Trust Centre for the History of Medicine at UCL, the Wellcome Trust, and the Yale Center for British Art

Tim Lewens

Tim Lewens remains a Lecturer in the HPS Department, and a Fellow of Clare College. With Helen Macdonald, he is Book Reviews Editor of Studies in History and Philosophy of Biological and Biomedical Sciences. He continued to organise and to chair the Cambridge Bioethics Forum in 2004-5, and has handed this task to Stephen John for the Michaelmas and Lent terms of 2005-6, during which period he will be on leave.

Publications

Articles in journals
Lewens, T. ‘Realism and the Strong Program’, British Journal for the Philosophy of Science 56 (2005) 559-577

In Press

Articles in books
Lewens, T. ‘Functions’ in M. Matthen and C. Stephens (eds) Handbook of Philosophy of Biology, Elsevier

Articles in journals
Lewens, T. ‘Distinguishing therapy from research: a functional approach’, Journal of Medical Ethics
Lewens, T. ‘Flagellant priests’, Biology and Philosophy
Lectures and Conferences

September 2004
Lewens, T. ‘Risk and philosophy’, Risk Workshop, Department of History and Philosophy of Science, Cambridge

October 2004
Lewens, T. Invited discussant, Thinking Through Things Conference, CRASSH, Cambridge
Lewens, T. ‘Darwin’s ethics and Darwinian ethics’, Clare College, Cambridge

December 2004

January 2005
Lewens, T. ‘Design in nature’, Whiston Society, Clare College, Cambridge

April 2005
Lewens, T. ‘Ethics in research and development’, Horizons Conference, Corporate Liaison Office, University of Cambridge
Lewens, T. ‘Population thinking: a typology’, International Conference in the Philosophy of Science, Dubrovnik, Croatia
Lewens, T. ‘Artefacts and population thinking’, Delft University of Technology, Netherlands
Lewens, T. ‘Response to critics’, Symposium on Organisms and Artifacts, Delft University of Technology, Netherlands

May 2005
Lewens, T. Discussion leader, ‘Where bioethics meets the philosophy of biology’, EGENIS, University of Exeter
Lewens, T. ‘Sensible precautions’, Pfizer Global Research and Development, Sandwich

June 2005

July 2005
Lewens, T. ‘Reply to Lisa Lloyd’, Plenary Session, British Society for Philosophy of Science Conference, Manchester
Lewens, T. ‘Population thinking: a typology’, ISHPSSB, Guelph, Canada

Peter Lipton

Peter Lipton remains Head of the Department. He serves 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 is a member of the Nuffield Council on Bioethics, the Nominating Committee of the Philosophy of Science Association, and the Peer Review College of the Arts and Humanities Research Council.

Publications

Articles in books

Articles in journals
Lipton, P. ‘The truth about science’, Philosophical Transactions of the Royal Society B 360 (2005), 1259-1269
Lipton, P. ‘Does the truth matter in science’, Arts and Humanities in Higher Education 4 (2005), 173-183
Lipton, P. ‘Epistemic options’, Philosophical Studies 121 (2004) 147-158
In Press

Articles in books
Lipton, P. ‘Abduction’ in S. Sarkar (ed.) *The Philosophy of Science: An Encyclopaedia*, Routledge
Lipton, P. ‘Inference to the best explanation’ in D. Borchert (ed.) *Encyclopaedia of Philosophy*, Macmillan
Lipton, P. ‘Science and religion: the immersion solution’ in M. Scott and A. Moore (eds) *Realism and Religion: Philosophical and Theological Perspectives*, Ashgate
Lipton, P. ‘Accepting contradictions’ in B. Monton (ed.) *Images of Empiricism: Essays on Science and Stances, with a Reply from Bas van Fraassen*, Oxford University Press
Lipton, P. ‘Evidence and explanation’ in K. Tyjberg et al. (eds) *Evidence*, Cambridge University Press
Lipton, P. ‘Inference to the best explanation’ in M. Curd and S. Psillos (eds) *Routledge Companion to the Philosophy of Science*, Routledge
Lipton, P. ‘Maimonides and the astrologers’ in S. Reif (ed.) *Maimonides*, Brill
Lipton, P. ‘Reductionism, explanation, and Ceteris Paribus laws’ in J. Hohwy (ed.) *Reduction and Explanation*, Oxford University Press

Articles in journals
Lipton, P. ‘Symposium on Inference to the Best Explanation, 2nd edition’, *Metascience*
Lipton, P. ‘Symposium on Inference to the Best Explanation, 2nd edition’, *Philosophy and Phenomenological Research*

Lectures and Conferences

October 2004
Lipton, P. ‘Can computers think?’, Hills Road Sixth Form College, Cambridge
Lipton, P. ‘Cambridge interviews’, AJ6, London

November 2004
Lipton, P. ‘Popper vs. Wittgenstein: a debate’ (I played Popper), Amoral Sciences Club, Cambridge

December 2004
Lipton, P. ‘Maimonides and the astrologers’, ECAPS, Hengrave Hall
Lipton, P. ‘Science, religion, and truth’, ECAPS, Hengrave Hall

January 2005

February 2005
Lipton, P. ‘Prediction and prejudice’, Perne Club, Peterhouse, Cambridge

March 2005
Lipton, P. ‘Prediction and prejudice’, Christ’s College Philosophical Society, Cambridge
Lipton, P. ‘Prediction and prejudice’, John Ray Society, St Catharine’s College, Cambridge

April 2005
Lipton, P. ‘The ravens revisited’, Leeds University

May 2005
Lipton, P. ‘Reductionism, explanation, and Ceteris Paribus laws’, Namicona Conference on Reductive Explanation, Aarhus
Lipton, P. ‘The ravens revisited’, Aarhus
Lipton, P. ‘The ethics of pharmacogenetics’, King’s College, Cambridge

June 2005
Lipton, P. ‘The ethics of cloning’, Newnham College, Cambridge
Lipton, P. ‘The truth about science’, Homerton College, Cambridge

July 2005
Lipton, P. ‘The ethics of pharmacogenetics’, Conference on Pharmacogenomics, London
Lipton, P. ‘Will the sun rise tomorrow?’, King’s College, Cambridge
Lipton, P. ‘What can scientists know? What can scientists see?’, Science Summer School, Cambridge
Lipton, P. ‘Science and innovation’, University of Groningen Summer Academy, Cambridge
August 2005
Lipton, P. ‘Understanding and the aims of science’, Conference on Philosophical Perspectives on Scientific Understanding, Amsterdam

September 2005
Lipton, P. ‘The significance of scientific revolutions’, Alumni Weekend, Cambridge
Lipton, P. ‘What is a law of nature?’, Science Museum, London

Geoffrey Lloyd

Publications

Books

Articles in books

Articles in journals

Reviews
Lloyd, G.E.R. Review of V. Nutton, Ancient Medicine, in Science 308 (2005), 1414

Lectures and Conferences

October 2004
Lloyd, G.E.R. ‘Medical case-histories in cross-cultural perspective: Greece, China, Egypt’, University of Newcastle upon Tyne

November 2004
Lloyd, G.E.R. ‘New issues in the history of ancient science’, University of Bologna, Italy
Lloyd, G.E.R. ‘La censura nell’anticità I’, University of San Marino
Lloyd, G.E.R. ‘La censura nell’anticità II’, University of San Marino
Lloyd, G.E.R. ‘Models for living in Ancient Greece and China’, University of Bologna, Italy

January 2005
Lloyd, G.E.R. ‘Value judgements in the history of science’, Colloquium on Sciences in Asia: Representations and Historiography, Needham Research Institute, Cambridge

May 2005

June 2005
Lloyd, G.E.R. ‘Pneuma between body and soul’, Conference on Wind, Department of Social Anthropology, Oxford

July 2005
Lloyd, G.E.R. ‘How do manifolds change?’, 22nd Congress of History of Science, Beijing, China

September 2005
Lloyd, G.E.R. ‘The importance of understanding the past: Greece, China, Mesopotamia’, Hellenic Awards Program, Lexington, Kentucky

Geoffrey Lloyd
Lloyd, G.E.R. ‘Health values and authority: perspective on Greek and Chinese antiquity’, University of Transylvania, Kentucky
Lloyd, G.E.R. ‘Medical case-histories in cross-cultural perspective: Greece, China, Egypt’, University of Missouri
Lloyd, G.E.R. ‘Learned elites: their recruitment and control’, University of Missouri

Helen Macdonald

In 2005 Helen was a Part II examiner, became International Representatives Co-ordinator of The Society for the History of Natural History, and was a founding member of The Heritage of Falconry Trust. In April she was interviewed – in the intriguing surroundings of the Special Forces Club, London – for a TV documentary on secret wartime falcon and pigeon squadrons. She finished her book on the cultural history of falcons, and is now finishing her thesis, working on a DNB entry (with Matthew Chew) on ecologist Charles Elton and planning a conference on environment and the military for autumn 2006. Featured as an ‘alternative generation’ poet in a special issue of Staple magazine, her poetry activities this autumn include a collaboration with photographer Kitty Sullivan and a reading tour in Germany.

Publications

Articles in books

In Press

Books

Reviews

Lectures and Conferences

January 2005
Macdonald, H. ‘Covert naturalists: ethologists hunting objectivity’, seminar series ‘Bodies of Knowledge’, University of Kent

July 2005
Macdonald, H. ‘Covert naturalists’, British Society for the History of Science Annual Conference, Leeds

September 2005

Saira Malik

Lectures and Conferences

January 2005

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 and Perne Librarian. During the academic year 2004-5, he was also a Directeur d’études invité at the Ecole Pratique des Hautes Etudes in Paris and a Visiting Scholar at the Max-Planck-Institut für Wissenschaftsgeschichte in Berlin.
Publications

Books

Articles in books
Mandelbrote, S. (2005) “‘Then this nothing can be plainer’: Isaac Newton reads the fathers’ in G. Frank, T. Leinkauf and M. Wriedt (eds) Die Patristik in der Frühen Neuzeit, Friedrich Frommann Verlag, 277-297

Articles in journals
Mandelbrote, S. “‘Converse with books’: scientific and medical libraries in the British Isles, c.1640-c.1750’, Max-Planck-Institut für Wissenschaftsgeschichte Preprint 290 (2005), 1-62

Reviews

Lectures and Conferences

October 2004
Mandelbrote, S. ‘The Reformation and the role of apocalyptic and astrological expectation’, Open University-St Andrews University Centre for Reformation Studies Colloquium, Milton Keynes
Mandelbrote, S. ‘English Protestants and the meaning of miracles’, Miracles as Epistemic Things workshop, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

November 2004
Mandelbrote, S. ‘Isaac Newton’s Trinity: Socinianism and anti-Trinitarian controversy, c.1670-c.1700’, Socinus conference, University of Siena

January 2005
Mandelbrote, S. Chair and commentary, session on ‘Cultural relocation and reidentification’, Before the Revolutions: Religions, Sciences & Politics in the 15th Century conference, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

May 2005
Mandelbrote, S. ‘Imprimer et publier la Septante dans l’Europe moderne’, Université de Paris-IV (Sorbonne)
Mandelbrote, S. “‘Converse with books’: scientific and medical libraries in the British Isles, c.1640-c.1750’, Enlightenment seminar, Université de Bordeaux (Michel-Montaigne)

July 2005

August 2005
Mandelbrote, S. ’The presence of the past and the survival of Biblical chronology in England, c.1670-c.1730’, Chronology workshop, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

Stephen Mason

Professor Mason has drawn up a new course for The University of the Third Age in Cambridge, entitled The Origins of Natural Science: From Ancient Mesopotamia to Early Modern Europe. He will tutor the new course, listed SCE03 in the U3AC Programme of Studies 2005-2006, during the session.
Michela Massimi

Michela Massimi has been a Junior Research Fellow at Girton College for the past three years. From October 2005 she will be Lecturer in History and Philosophy of Science at the Department of Science and Technology Studies, University College London.

Publications

Books

In Press

Articles in books
Massimi, M. ‘Oggettività e verità tra meccanica quantistica e filosofia della scienza’ in S. Borutti and L. Fonnesu (eds) Proceedings of the Conference ‘La verità nelle scienze e nella filosofia’ (Pavia, 3-4 June 2004), Il Mulino, Bologna
Massimi, M. ‘Structural realism: a neo-Kantian perspective’, Boston Studies in Philosophy of Science

Lectures and Conferences

February 2005
Massimi, M. ‘Structural realism: a neo-Kantian perspective’, Boston Colloquium for Philosophy of Science Structural Approaches to Philosophy of Physics, Department of History and Philosophy of Science, University of Boston

April 2005
Massimi, M. ‘Wolfgang Pauli and the crisis of the old quantum theory’, Physics and Philosophy Interdisciplinary Seminar, Department of Physics, University of Florence
Massimi, M. ‘Wolfgang Pauli and the crisis of the old quantum theory’, Department of Physics, University of Roma Tre

May 2005
Massimi, M. ‘Where Kuhnian incommensurability leaves us: a lesson from the crisis of the old quantum theory’, Sigma Club, Centre for Natural and Social Sciences, London School of Economics
Massimi, M. ‘Where Kuhnian incommensurability leaves us: a lesson from the crisis of the old quantum theory’, Institute for the History and Foundations of Science, Faculty of Physics and Astronomy, Utrecht University
Massimi, M. ‘Saving unobservable phenomena’, Institute for the History and Foundations of Science, Faculty of Physics and Astronomy, Utrecht University

Andreas Mayer

Andreas Mayer joined the department as a Wellcome Research Fellow in January 2005. He is currently finishing a book on the history of the couch and the material conditions of psychotherapy (co-written with Lydia Marinelli, to appear in spring 2006). In December 2004, he organised two conferences, one in Vienna on ‘Forgetting Freud? How to do the history of psychoanalysis today’ (to appear as a special issue in Science in Context) and one in Paris on ‘Sciences d’écrivains’. He is working on a book on the history of walking and human and animal locomotion research in the 19th century.

Publications

Books

Articles in books

**Articles in journals**

**Reviews**

**In Press**

**Articles in journals**
Marinelli, L. and Mayer, A. ‘Editor’s introduction. Forgetting Freud? The new historiography of psychoanalysis’, *Science in Context*
Mayer, A. ‘Lost objects: a history of the psychoanalytic setting’, *Science in Context*
Mayer, A. ‘Faire marcher les hommes et les images. Les artifices du corps en mouvement’, *Terrain*
Mayer, A. ‘“Sicherheit ist nirgends.” Der experimentelle Hypnotismus zwischen Bühne, Klink und Labor’, *Paragraphe: Internationale Zeitschrift Historische Anthropologie*

**Lectures and Conferences**

*October 2004*

*November 2004*
Mayer, A. ‘Physiologies of walking in the 19th century’, Centre for the History of Science and Technology, Imperial College London

*December 2004*
Mayer, A. ‘Balzac et la physiologie de la marche’, Conference ‘Sciences d’écrivains’, Centre Koyré (Ecole des Hautes Etudes en Sciences Sociales) and University Paris 7

*February 2005*

*March 2005*
Mayer, A. ‘Physiologies de la marche au XIXe siècle – entre science et littérature’, Lecture, Ecole doctorale University of Poitiers, Espace Mendès France

*April 2005*

*May 2005*

*September 2005*
Anita McConnell

Publications

Articles in books

Articles in journals

Reviews

In Press

Articles in books

Articles in journals

Lectures and Conferences

November 2004

December 2004
McConnell, A. ‘Robert Mallet e la sua missione nel terremoto del 1857’, conference ‘Un terremoto. Memorie diverse’, given on 17 December at Villa d’Agri (Potenza) and on 18 December at Padula (Salerno)

Raymond Mercier

Current Project
The edition of Ptolemy’s Handy Tables, in collaboration with Anne Tihon, Louvain la Neuve.

Publications

Books

Articles in journals

Lectures and Conferences

November 2004
Mercier, R. ‘Abraham ibn Ezra and canons to astronomical tables’, workshop ‘Abraham ibn Ezra’s Scientific Writings in Hebrew and Latin’, Warburg Institute
Mercier, R. ‘Problems on Ptolemy’s Handy Tables’, XXII International Congress of History of Science, Beijing; also a member of an organising committee (SC3, Astronomy in Oriental, Antique and Medieval World, along with S.M. Razalullah Ansari, Aigar, and Anne Tihon, Louvain la Neuve)

James Moore

Dr Moore was Visiting Professor of the History of Science at Harvard University from January to June 2005.

Publications

Articles in books


Web publications

In Press

Articles in books


Lectures and Conferences

September 2004
Moore, J. ‘Thinking path – Shirley Chubb exploring the life and ideas of Charles Darwin’, opening ceremony, Russell-Cotes Art Gallery and Museum, Bournemouth

October 2004
Moore, J. ‘Doomsday science – then and now’, Institut für Wissenschaftsgeschichte
Guest discussion, Biology 121 (Dr Richard P. Aulie), Harry S. Truman College, Chicago
Evolution and God: 150 years of Love and War between Science and Religion, Case Western Reserve University, Cleveland, Ohio
Guest seminar, Department of Biology, Bennington College, Bennington, Vermont

February 2005
British Humanist Association Darwin Day Lecture, London School of Economics
Darwin Day lecture, National Museum of Ireland, Dublin
The Wallace / Darwin Symposium (pre-recorded video), The Shrewsbury Darwin Festival 2005, St Alkmund’s Church, Shrewsbury
Guest lecture, ENV/STS 382, Environmental History (Prof. James Strick), Franklin and Marshall College, Lancaster, Pennsylvania

April 2005
History of the Life Sciences and Environmental History Research Group Seminar, Department of the History of Science, Harvard University
June 2005
Public lecture, sponsored by National Center for Science Education and Berkeley Museums of Natural History, University of California, Berkeley

Interviews and Press Reports

January 2005
Interview (pre-recorded), 2 minutes, The Boldest Hoax, Providence Pictures for WGBH

February 2005
Interview with Richard Collins (pre-recorded), 8 minutes, Mooney Goes Wild, RTE Radio 1 (Eire)
www.humanism.org.uk/site/contentviewarticle.asp?article=1917

Summer 2005
Vinita Alexander and Elysia Baker, ‘The hook-up generation’, Diversity and Distinction (Cambridge, MA), 10, summer, pp. 18-19

Ayesha Nathoo

Lectures and Conferences

April 2005
Nathoo, A. “The most extraordinary programme ever shown on television”: heart transplantation and the transformation of medical communication in Britain, 1968’, American Association for the History of Medicine Annual Meeting, Birmingham, Alabama, USA

May 2005
Nathoo, A. ‘What becomes of the broken-hearted?: transplants and the media in the 1960s’, King’s College Lunchtime Seminar, University of Cambridge

July 2005
Nathoo, A. ‘Creating the most famous surgeon and patient in the world: heart transplantation and the transformation of medical communication in Britain’, British Society for the History of Science Annual Conference, Leeds

Jaume Navarro

Publications

Articles in journals

Reviews

In Press

Articles in journals
Navarro, J. ‘Defining the boundaries between provinces of science. J.J. Thomson and the cartography of physical sciences in Cambridge’, History of Science
Navarro, J. ‘Neutrinos at the Cavendish’, Physics in Perspective
Navarro, J. ‘Les fronteres entre disciplines al Cambridge del segle XIX’, Actes de les VIII Trobades de la Societat Catalana d’Història de la Ciència
Navarro, J. ‘More than two faces of common sense’, Acta Philosophica
Lectures and Conferences

November 2004

July 2005
Navarro, J. ‘The Cavendish Laboratory in the inter-war period’, 22nd International Conference of the History of Science, Beijing

Richard Noakes

Publications

Articles in journals
Noakes, R. “‘The bridge which is between physical and psychical research”: William Fletcher Barrett, sensitive flames and spiritualism’, History of Science 42 (2004), 419-464

Electronic databases

Reviews
Noakes, R. Review of A. Owen, The Place of Enchantment: British Occultism and the Culture of the Modern, in Isis 96 (2005), 134

In Press

Books

Articles in journals
Noakes, R. ‘Ethers, religion and politics in late-Victorian physics: beyond the Wynne Thesis’, History of Science

Articles in books

Lectures and Conferences

November 2004

June 2005

Media Activities
Historical consultant for and contributor to Science and the Séance, historical documentary broadcast on BBC Two on 31 August 2005
Contributor to Battle for Britain’s Soul, Series II, Episode 4, historical documentary to be broadcast on BBC Two in late 2005
Onora O’Neill

Publications

Articles in books

Articles in journals

Alison Pearn

Alison Pearn is managing editor of the Darwin Correspondence Project, based in Cambridge University Library. In addition to continuing the series of print volumes, the Darwin Project has this year begun mounting the full texts of Darwin’s letters online (http://www.lib.cam.ac.uk/Departments/Darwin). Dr Pearn is one of the organisers of an XML support group for humanities projects in the University.

Publications

Books

Articles in books

Articles in journals

In Press

Books

Lectures and Conferences

February 2005
Pearn, A.M. and Innes, S. ‘The Darwin Correspondence Project’, Darwin Day, Birmingham University

March 2005
Pearn, A.M. “You can’t get there from here”: editing the correspondence of Charles Darwin’, Friends of Cambridge University Library
Pearn, A.M. ‘Editing Charles Darwin’s correspondence: re-evaluating the history in history of science’, The Society for Textual Scholarship’s thirteenth biennial international interdisciplinary conference, New York University

September 2005
Katy Price

In September 2004 I joined the Department of English at Anglia Polytechnic University as Pathway Leader for Writing. I continue to teach small amounts within HPS and the Faculty of English, and at the Institute of Continuing Education; I convene the Science and Literature Reading Group and the ‘Darwin & Language’ section of Cambridge’s Darwin 2009 celebrations. Links between Anglia and the University of Cambridge have also been maintained through English Faculty graduate activities, and I was invited to address the ‘English Unbound’ conference in November 2004 and the Graduate Research Forum in May 2005. I continue as Communications Officer for History of Science at the BA Festival of Science, and have begun curating experimental poetry events at CB1 Café. In May 2005 I attended a NAWE workshop on ‘Science Writing in the Classroom’, with a view to incorporating Science Communication in new programmes at Anglia.

Publications

Reviews

Lectures and Conferences

June 2005
Price, K. ‘Writing that works: assessment of non-fiction in the context of an English and Creative Writing undergraduate programme’, Great Writing 2005, University of Portsmouth

Rob Ralley

Rob Ralley completed his PhD early in 2005 and was awarded a Research Fellowship by the Wellcome Trust to study ‘Medical times in England, 1450-1550’. He will take this up from September.

Lectures and Conferences

October 2004
Ralley, R. ‘Clerical medicine and textual appropriation in fifteenth-century England’, Early Medicine and Natural Philosophy, Department of History and Philosophy of Science, University of Cambridge

January 2005
Ralley, R. ‘Medical economies in fifteenth-century England’, Rethinking the Medical Marketplace, The Wellcome Trust Centre for the History of Medicine at UCL

Michael Redhead

Publications

Articles in journals
Redhead, M. ‘Mathematics and the mind’, British Journal for Philosophy of Science 55 (2004), 731-737

In Press

Books

Articles in books
Redhead, M. ‘The unseen world’ in Festschrift for Alan Musgrave
Redhead, M. ‘The vacuum in antiquity and in modern physics’ in Festschrift for John Bell

Articles in journals
Redhead, M. ‘Broken bootstraps: the rise and fall of a research programme’, Foundations of Physics
Nicky Reeves

Lectures and Conferences

January 2005

June 2005
Reeves, N. ‘Boundaries and silences: moral geographies of North Africa c.1800’, Social Anthropology Society, Department of Social Anthropology, University of Cambridge

Francis Lucian Reid

During the 2004/2005 academic year I was based in Wellington New Zealand, where I was a visiting scholar at the Stout Research Centre, Victoria University of Wellington, and I spent a great deal of time engaged in research at the Museum of New Zealand Te Papa Tongarewa and in the National Library/Alexander Turnbull archives.

Publications

Articles in journals
Reid, F.L. “‘The democratic politician does not trouble himself with science”: class and professionalisation in the New Zealand Institute, 1867-1903’, *Tuhiinga* 16 (2005), 21-31

Lectures and Conferences

May 2005
Reid, F.L. “‘The democratic politician does not trouble himself with science”: class and professionalisation in the New Zealand Institute, 1867-1903’, Stout Research Centre, Victoria University of Wellington

Catherine Rider

I came to Cambridge last September as a JRF at Christ’s College, after completing a PhD in Medieval History at UCL (a revised version of my PhD thesis is due to be published next academic year; see below). Although I am primarily associated with the History Faculty, my research interests include medieval medicine.

Publications

Articles in books

In Press

Books

Articles in books

Reviews
Rider, C. Review of B. Roest, *Franciscan Literature of Religious Instruction before the Council of Trent*, in *Journal of Ecclesiastical History*
Lectures and Conferences

March 2005
Rider, C. ‘‘What adulterous women do”: magic and impotence in the early Middle Ages’, Earlier Middle Ages Seminar, Institute of Historical Research, University of London

July 2005
Rider, C. ‘Why is it wrong to use magical cures? Sorcery in 13th-century confession manuals’, International Medieval Congress, University of Leeds
Rider, C. ‘‘Danger, stupidity and infidelity”: magic and discipline in John Bromyard’s *Summa for Preachers*, Ecclesiastical History Society Conference, University of Lancaster

Eleanor Robson

Eleanor Robson is a council member of both the British School of Archaeology in Iraq (BSAI) and the British Society for the History of Mathematics (BSHM).

Publications

*Books*

*Articles in books*

*Articles in journals*
Robson, E. ‘Influence, ignorance, or indifference? Rethinking the relationship between Babylonian and Greek mathematics’, *BSHM Bulletin* 4 (Spring 2005), 1-17

*Reviews*

*In Press*

*Books*

*Articles in books*


Articles in journals
Robson E. ‘Four Old Babylonian school tablets in the collection of the Catholic University of America’, Orientalia 74 (2005)

Reviews

Lectures and Conferences
November 2004
Robson, E. ‘Influence, ignorance, or indifference? Rethinking the relationship between Babylonian and Greek mathematics’, David Fowler: a Memorial Symposium, Mathematics Institute, University of Warwick, Coventry

December 2004
Robson, E. ‘Learning to read, write, and count in ancient Iraq: the evidence from Kish’, Department of Jewish Studies and Assyriology, Eötvös Loránd University, Budapest
Robson, E. ‘Introduction to Old Babylonian mathematics’, Department of Jewish Studies and Assyriology, Eötvös Loránd University, Budapest

January 2005
Robson, E. ‘Babylon, Mesopotamia, or Iraq? Locations and appropriations of an ancient mathematical culture’, Sciences in Asia: Representations and Historiography, 17th to 20th Centuries, Needham Research Institute, Cambridge

February 2005
Robson, E. ‘Collecting, collaborating, and condemning: the murky world of antiquities in pre-war and post-war Iraq’, MPhil Seminar in the History of Collecting, University of Oxford

March 2005
Robson, E. ‘Maths is a load of old rubbish!’, Cambridge Science Festival Schools Road Show, Cambridge

April 2005
Robson, E. ‘Two years on: Iraqi cultural property after the war’, United Nations Association, Charlbury
Robson, E. ‘Mathematics and society in ancient Iraq’, British Mathematical Colloquium, University of Liverpool

May 2005
Haarer, P., Robson, E. and Savage-Smith, E. ‘Crossing cultures: reading, writing, and counting’, Khalili Research Centre for the Material Culture of the Middle East, Oxford

June 2005

July 2005
Robson, E. ‘What counts as mathematics? A re-examination of the cuneiform record’, Rencontre Assyriologique Internationale, Oriental Institute, Chicago
Robson, E. Invited chair of ‘Projects, Methods, Technologies’ session, Rencontre Assyriologique Internationale, Oriental Institute, Chicago
September 2005
Robson, E. ‘Six and the city: mathematics and urbanism at the dawn of history’, British Association for the Advancement of Science Festival of Science, Dublin

Martin Rudwick
Professor Emeritus of History of Science, University of California, San Diego.

Publications

**Books**

**In Press**

**Books**

**Articles in journals**

Lectures and Conferences

**October 2004**

**March 2005**
Rudwick, M. ‘Geology and Genesis: a historical perspective on the interaction of two historical sciences’, Herbert H. Reynolds Lecture in the History and Philosophy of Science, Baylor University

Colin A. Russell
Emeritus Professor in the History of Science at the Open University.

Publications

**Books**

**Articles in books**

**Articles in journals**
Russell, C.A. ‘Ethereal philosopher’ [Williamson], *Chemistry World* 1 (3) (2004), 46-49
Reviews

In Press

Books
Russell, C.A. and Roberts, G.K. (eds) Chemical History: Reviews of the Recent Literature, Royal Society of Chemistry,
Cambridge [due December 2005]

Articles in books

Articles in journals
Russell, C.A. ‘The first President’ [Thomas Graham], Chemistry World (2005) [due September 2005]

Reviews
in Notes and Records of the Royal Society

Lectures and Conferences
March 2005
Russell, C.A. ‘Environmental issues’, keynote address, West Midlands Synod of the United Reformed Church,
Coventry

April 2005
Russell, C.A. ‘History in chemical education: subversive or supportive?’ , Annual Conference of the Education Division,
Royal Society of Chemistry, Brighton
chemistry and fine-tuning in biochemistry’, Varenna, Lake Como, Italy

Christine F. Salazar

Publications

Books

In Press

Books
Salazar, C.F. (managing editor) Brill’s New Pauly, vol VII (K-Mag), Brill, Leiden

Lectures and Conferences

December 2004
Salazar, C.F. ‘Die Versorgung von Kriegsverwundeten in der griechisch-römischen Antike’, Institut für
Medizingeschichte, University of Vienna

December 2004/January 2005
Three seminars on Graeco-Roman medicine, Institut für Medizingeschichte, University of Vienna

February 2005
Salazar, C.F. ‘Paul of Aegina on sleep and sleeplessness’, Medical Texts in Translation Series, Wellcome Trust Centre
for the History of Medicine at UCL, London

June 2005
Salazar, C.F. ‘Sleep and sleeplessness in Paulus Aegineta’, Werkgezelschap Antieke Geneeskunde & Forum Antiquum,
University of Leiden, Netherlands
Simon Schaffer

Simon Schaffer is Editor of the *British Journal for the History of Science* and member of the Council of the British Society for the History of Science. He is the joint winner, with Steven Shapin, of the 2005 Erasmus Prize of the Praemium Erasmianum Foundation.

**Publications**

*Articles in books*

*In Press*

*Articles in journals*

**Lectures and Conferences**

*December 2004*
Schaffer, S. ‘Newton’s *Opticks*’, plenary lecture, Tercentenary Conference on Newton’s *Opticks*, Royal Society

*January 2005*
Schaffer, S. ‘Review symposium’, Sciences in Asia: Representations and Historiography, Department of HPS and Needham Research Institute, Cambridge
Schaffer, S. ‘Public experiments’, STS seminar, Department of HPS, Cambridge

*February 2005*
Schaffer, S. ‘Foucault and heterotopia’, Foucault in Cambridge, King’s College, Cambridge

*April 2005*
Schaffer, S. Panel member, conference on Multidisciplinarity and the Long 18th Century, King’s College, Cambridge
Schaffer, S. ‘Information orders and Restoration knowledge’, conference on Conversation and Coffeehouses, CRASSH, Cambridge

*May 2005*
Schaffer, S. ‘The discipline of history of science’, conference on Disciplinary Orders, University of Chicago Paris Center

*June 2005*
Schaffer, S. ‘Colonialism and the exact sciences’, Historisches Seminar: Wissenschaftsgeschichte, Universitaet Frankfurt
Schaffer, S. ‘Inventing science: mapping knowledge’, conference on Big Issues in the History of Science, Technology and Medicine, CHSTM, University of Manchester

*July 2005*
Schaffer, S. Plenary commentator, conference on Discovery and Creativity, King’s College, Cambridge
Schaffer, S. ‘Artificial mate’, ArtBots Programme, Irish Film Institute, Dublin

Anne Secord

**Publications**

*Articles in journals*
In Press

Books

Articles in books

Lectures and Conferences

November 2004
Secord, A. ‘Social class and the boundaries of the field in nineteenth-century British botany’, History of Science Society Annual Meeting, Austin, Texas

January 2005
Secord, A. ‘The knowledge of one becomes the knowledge of all: artisan participation in early nineteenth-century British botany’, conference on ‘Citizen Sciences: Collective vigilance and relations between laymen and scientists in natural history’, Cresal, University of Saint-Etienne, France

Jim Secord

Jim Secord is on leave until January 2007 with a Leverhulme Trust Major Research Fellowship, to write a book on science in the illustrated newspaper press during the nineteenth century. From January to March 2005 he was Stephen Botein Fellow at the American Antiquarian Society, for work on this project. With Professor Janet Browne of University College London, he was successful this year in obtaining major funding from the AHRC for *The Complete Work of Charles Darwin Online*, to be directed by Dr John van Wyhe. With Professor Simon Goldhill, Dr Mary Beard, Dr Peter Mandler and Dr Clare Pettitt, from October 2006 he will be leading a five-year Research Programme funded by the Leverhulme Trust, on the subject of ‘Past versus Present in Victorian Britain’.

Publications

Articles in journals
Secord, J. ‘Knowledge in transit’, *Isis* 95 (2005), 654-672

Lectures and Conferences

November 2004
Secord, J. ‘Science in the Sun, life on the moon’, Program in History of Science and Technology, University of Minnesota
Commentator and chair for session on scientific exploration and travel, Annual Meeting History of Science Society, Austin, Texas

January 2005
Secord, J. ‘From scientific conversation to shop talk’, CRASSH seminar, University of Cambridge

March 2005

June 2005

July 2005
Secord, J. ‘From scientific conversation to shop talk’, British Society for the History of Science Annual Meeting, University of Leeds

September 2005
Secord, J. ‘The laboratory of print in the age of industry’, Invited Lecture, Toronto Centre for the Book
Emma Spary

Publications

Books

Articles in books

Reviews

In Press

Books

Articles in books

Lectures and Conferences

December 2004

January 2005
Spary, E.C. ‘Coffee makers: on the history of food and the history of scientific authority’, Department of History of Science, Technology and Medicine, University of Pennsylvania

February 2005

Mark Sprevak

Mark Sprevak was elected a Junior Research Fellow of King’s College, Cambridge. He has submitted his PhD thesis, *Computation in Mind and World: A Realist Account of Computation in Cognitive Science*. He has been made the Director of Studies for Philosophy at Queens’ College, Cambridge. He continues to run the Philosophy Workshop at the HPS department. He will take up his position at King’s in October 2005.

Publications

Reviews
In Press

Articles in journals

Lectures and Conferences
May 2005
Sprevak, M.D. ‘Algorithms and the Chinese room’, COGS research seminar, University of Sussex
Sprevak, M.D. ‘Algorithms and the Chinese room’, University of Geneva

Rebecca Stott

Professor Rebecca Stott continues to teach in the English Department of APU (Cambridge) where she supervises several MA and PhD research projects on literature and the history of science. She is the reviews editor and editorial panel member of the Journal of Victorian Culture. She made several radio broadcasts this year: a drama-documentary on Darwin in Edinburgh for BBC Radio Scotland and five features for BBC Radio 4 on the history of animals in science: Oyster, Ant, Cockroach, Rat and Leech. She began the first year of a two-year BA research readership working on a book called The Poetics of Evolution. She published Oyster – a book in the Animal Series which examines human-animal interaction through history including the use of animals in science.

Publications

Books

Liba Taub

Liba Taub is Director and Curator of the Whipple Museum, and Reader in HPS. She spent much of the Easter Term as an academic visitor at the Forschungs Institut at the Deutsches Museum, where she continued work on her book on genres of ancient scientific discourse, focusing on doxography while in Munich. During the past year, she served as Program co-Chair (with John Krige) for the November 2005 annual meeting of the History of Science Society. She was re-elected to 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 continues to serve as Director of Studies in HPS for Trinity Hall and Newnham College, where she is also an Assistant Tutor and Fellow. Her drum lessons are progressing nicely.

Publications

Reviews
Taub, L. Review of Treasures of the Science Museum, in Isis 95 (2004), 277

In Press

Books

Articles in books

**Reviews**


**Lectures and Conferences**

*November 2004*

Taub, L. ‘Genres of ancient science: an introduction to Greek and Roman scientific writings on nature’, Science and Technology Studies seminar series, University College London

*April 2005*

Taub, L. ‘Encyclopedia and Empire: Pliny the Elder and the invention of a genre’, LOGOS Centre Colloquium: Science and Empire in the Roman world, School of Classics, University of St Andrews

*June 2005*

Taub, L. ‘Focusing on teaching and research at the Whipple Museum’, Deutsches Museum AG Objektforschung

*July 2005*

Chaired session on ‘Future Paths’ at annual meeting of the Universeum network, Innovative Museums of Science of the Future, a European Answer, University of Tartu, Estonia

**Anke Timmermann**

Apart from working on the core parts of her thesis, Anke helped run the BSHS Postgraduate Conference in January 2005 and entertained the Department by organising this year’s series of History of Science Workshops. Together with Patrick Boner, she provided a translation of a medieval court case from the Latin for the BBC. Further claims to fame include an invitation to discuss the future of academic research in Germany with politicians and funding bodies in Berlin and Bonn. A co-founder, webmaster and PR agent for the interdisciplinary Medieval Reading Group at Cambridge, Anke also co-edited the first issue of *Marginalia*, journal for and by medievalist graduate students.

**Publications**

**Articles in journals**


**In Press**

**Articles in journals**


**Article in book**


**Reviews**

Timmermann, A. Review of B. Mahlmann-Bauer (ed.) *Scientiae et artes: Die Vermittlung alten und neuen Wissens in Literatur, Kunst und Musik*, in *Ambix*


**Lectures and Conferences**

**November 2004**
Timmermann, A. “‘Keepe this booke frome euil persones”: a late medieval corpus of alchemical poetry and the hidden legacy of its readership’, Wiener Gespräche zur Sozialgeschichte der Medizin, Medical University of Vienna

**December 2004**
Timmermann, A. ‘The circulation of alchemical manuscripts in Medieval Britain’, English Faculty/Medieval Reading Group, University of Cambridge

**May 2005**
Timmermann, A. “‘The crafte recordeth yf yee can reede’: literacy and orality in alchemical poetry’, 40th International Congress on Medieval Studies, Kalamazoo (USA)
Timmermann, A. ‘The curious incident of the recipes in the manuscripts: an alchemical whodunit’, History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge

**July 2005**
Timmermann, A. “‘My deare Son I schall teach thee”: education and instruction in alchemical poetry’, International Medieval Congress, University of Leeds
Timmermann, A. “‘But yow that fayne the marcke woulde hitt/ listen to my gentle writt”: the creation and circulation of alchemical ideas in alchemical poetry’, Conference: Material Cultures and the Creation of Knowledge, University of Edinburgh

**September 2005**
Timmermann, A. ‘Notes and theories – organisation of late-medieval and early-modern alchemica’, European Science Foundation Workshop, Nijmegen (The Netherlands)

**October 2005**
Timmermann, A. ‘Alchemical poetry in the Late Middle Ages’, International Symposium on ‘Craft treatises and handbooks: The dissemination of technical knowledge in the Middle Ages’, University of Cordoba (Spain)

### Adam Toon

**Lectures and Conferences**

**March 2005**
Toon, A. ‘Carbon in cardboard: models and the birth of stereochemistry’, Department of History and Philosophy of Science, University of Cambridge

### John van Wyhe

In the past year the AHRC announced its award of major funding for John van Wyhe’s project ‘The complete work of Charles Darwin online’ (http://darwin-online.org.uk) which will commence in October 2005. He completed his work on the A.R. Wallace correspondence project at the Open University in July 2005. He accepted a Visiting Associate Professorship at the University of Aarhus during 2005. He was also elected to the Council of the British Society for the History of Science and Director of the Society’s Wheeler Library.

**Publications**

**Books**

**Articles in journals**
van Wyhe, J. ‘Was phrenology a reform science? Towards a new generalization for phrenology’, *History of Science* 42 (2004), 313-331

**Reviews**

**In Press**

**Articles in books**
van Wyhe, J. ‘Phrenology’, *Encyclopaedia of Europe*
van Wyhe, J. ‘Phrenology’, ‘Psychological materialism’ & ‘Cultural evolution’ *Encyclopaedia of British Philosophy*

**Articles in journals**
van Wyhe, J. ‘The descent of words: evolutionary thinking 1780-1880’, *Endeavour*

**Reviews**
van Wyhe, J. ‘Alfred Russel Wallace: in a court of his own’, *Evolution*

**Lectures and Conferences**

*August 2004*
van Wyhe, J. ‘The diffusion of phrenology via public lectures: defusing anti-diffusion in the historiography of science’, Popular science: 19th century sites and experiences, York University, Canada

*December 2004*
van Wyhe, J. ‘Darwin’s finches: the pleasures and perils of science popularisation’, Aarhus University, Denmark

*July 2005*

**Paul White**

**Publications**

**Books**

**Articles in books**

**Articles in journals**

**In Press**

**Books**

**Articles in books**
White, P. ‘Sympathy under the knife: experimentation and emotion in late-Victorian medicine’ in F. Bound (ed.) *Emotions, Medicine, and Disease, 1700-1950*, Palgrave Macmillan
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**

*October 2004*
White, P. ‘One culture or two?’, North-Atlantic Conference on British Studies, Philadelphia
November 2004
White, P. ‘Darwin and the imperial archive’, History of Science Society Annual Meeting, Austin, Texas

February 2005
White, P. ‘Darwin and the imperial archive’, Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

March 2005
White, P. ‘The conduct of belief: agnosticism, the Metaphysical Society, and the Victorian “crisis of faith” re-examined’, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

April 2005

Nick Wilding
Dr Wilding will be leaving the Department in September 2005 to take up a Fellowship at the Italian Academy for Advanced Studies at Columbia University.

Publications

In Press

Books
Wilding, N. Dialogue of the Two Chief World Systems by Galileo Galilei, a new translation and introduction, Penguin

Articles in books
Wilding, N. ‘Graphic technologies’ in M. Hunter and M. Cooper (eds) Hooke, Ashgate

Lectures and Conferences

November 2004
Biblical Exegesis and the Emergence of Science in the Early Modern Era, Birkbeck College (Chair)

December 2004
Wilding, N. ‘The rhetoric of the image: Athanasius Kircher’s museum’, Tavola Rotonda Athanasius Kircher: o Le Immagini di un Sapere Universale, American Academy in Rome

April 2005
Wilding, N. ‘The Life of Galileo’, Discourses and Dialogues: Conversing with Early Modern Natural Philosophy, CRASHS, Cambridge, (Organiser)
‘It’s News’, Renaissance Society of America Annual Meeting, Cambridge (Chair)
Wilding, N. ‘Gianfrancesco Sagredo and the politics of nature’, British Academy Post Doctoral Fellow Symposium, London

May 2005

July 2005

Frances Willmoth
My most memorable event of the year has been an encounter with a television company (Spire Films) as a contributor to an item in the second series of The Worst Jobs in History. The job in question was assistant to a surveyor (of very uncertain date), demonstrated with the aid of my mock-17th-century plane table. This should form a fraction of a programme to be broadcast some time in autumn 2005.
In Press

Articles in journals

Lectures and Conferences

April 2005
I stood in for Jim Bennet, who was prevented from attending by illness, presenting his paper on Edward Worsop to a conference at CRASSH

Sarah Wilmot

In April 2005 I co-hosted a one-day workshop with Nick Hopwood titled: ‘Between the farm and the clinic: agriculture and reproductive technology in the twentieth century’. This interdisciplinary event, made possible by the Wellcome enhancement award in history of medicine, attracted an international audience, including participants from USA, UK, France, Germany and Denmark. I am now organising a special issue of *Studies in the History and Philosophy of Biology and Biomedical Sciences* based around the workshop papers, with some additional invited contributors.

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

October 2004
Wilmot, S. ‘Replacing the bull with a small glass phial: artificial insemination and the ambitions of inter-war science’, History of Modern Medicine Seminar Series, Department of History and Philosophy of Science, Cambridge

March 2005
Wilmot, S. ‘Brave new technology: the interwar origin of artificial insemination in cattle’, seminar paper, Centre for the History of Science, Technology and Medicine, University of Manchester

April 2005
Wilmot, S. ‘From public service to artificial insemination: animal breeding science in early twentieth century Britain’, at ‘Between the farm and the clinic: agriculture and reproductive technology in the twentieth century’, a workshop organised by Nick Hopwood and Sarah Wilmot in the Department of History and Philosophy of Science, Cambridge

June 2005
Wilmot, S. ‘Breeding for the State: Science and artificial insemination in cattle in early-twentieth century Britain’, ‘Science, Disease and Livestock Economies’ Conference, St Anthony’s College, Oxford

E.G. Zahar

Publications

Articles in books

Articles in journals
Zahar, E.G. ‘Einstein, or the essential unity of science and philosophy’, *Revista Portuguesa de Filosofia* 61 (2005), 17-37

Lectures and Conferences

December 2004
Zahar, E.G. ‘Is there a Bayesian solution of the Duhem-Quine problem?’, paper delivered at a Paris Conference on Bayesianism, Département d'histoire et de philosophie des sciences, rue Dufour, Paris 6e
Seminar Programmes
Michaelmas 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. Organised by Simon Schaffer.

21 October  John Pickstone (University of Manchester)
Sociology of scientific knowledge versus historical big pictures: who needs this opposition?

Some reviews of my book on Ways of Knowing (Manchester University Press, 2000) seem to confirm a presumed opposition between two types of the history of science, technology and medicine. Detailed, contextual case-studies drawing on the sociology of scientific knowledge are seen as somehow incompatible with long-term, wide-scope, analytical histories. But are they and need they be? I will draw on various responses to the book to try to answer these questions – or, at least, to carry the argument forward.

28 October  Kim Sterenly (Australian National University)
Ecological communities: theorists’ projections or natural systems?

Much of ecology has been the study of local communities, attempting to uncover the principles which determine membership and abundance within them. But are these local ecological communities objective, observer-independent biological systems? They may instead be arbitrary segments of a seamlessly interconnected set of interacting organisms, chosen for interest or convenience. I shall discuss this issue through a long-standing debate within ecology about the extent to which communities are internally regulated or structured. The aim is not so much to determine whether communities are really out there, independently of us, but to see whether realism about ecological communities depends on bold, controversial claims in ecological theory.

4 November  Nick Tosh (HPS, Cambridge)
Historiography and the philosophy of science: how not to oppose naive realism

“Actors’-eye-view” history of science is now a well-established historiographical genre. Although it deprives the historian of certain explanatory resources, there are many sensible – and philosophically straightforward – things to say in its defence. This talk will focus on some of the less straightforward (and, in my view, less successful) options. In particular, I will argue that the currently-fashionable historiography has little to gain from an alliance with philosophical relativism.

11 November  Marja-Liisa Kakkuri-Knuuttila (Helsinki School of Economics)
The relevance of Aristotle’s dialectic to his scientific method

Aristotle notes in his Metaphysics that while the aim of philosophy is truth, the task of dialectic is merely to examine given views. However, contemporary scholars have suggested that the dialectic formulated in Aristotle’s Topics – a certain kind of question-answer dialogue – might well be relevant to the search for truth, or perhaps even for to the search for the first principles of science. This paper approaches this issue from a new perspective by investigating the relationship between the dialogue rules for the questioner and answerer presented in Book VIII of the Topics and the argument forms involved. It turns out that the rules can be neatly divided into definitional and strategic rules, the role of the latter being to guide the search after truth. The paper argues, furthermore, that the rules for the questioner and the answerer scattered in different chapters of the Topics form pairs so that foremost the answerer is responsible for the quality of the disputation. For all that, the argument forms of dialectic are insufficient for Aristotle’s scientific method.

18 November  Andrew Warwick (Imperial College London)
Rethinking the early history of x-rays in medicine: the case of orthopaedic surgery in the German speaking lands, 1895-1900

Current accounts of the early uses of x-rays in medicine contain an interesting ambiguity concerning the significance of x-rays as a diagnostic tool. On the one hand, they chronicle and celebrate the widespread excitement generated throughout the international medical community by the unexpected arrival of x-ray photography early in 1896, on the other they emphasise the limited diagnostic use to which the rays were put until roughly the end of the first decade of the twentieth century. It has been suggested that x-rays prompted a major shift in progressive medicine, from hygiene and social improvement to ‘miracle technology’, and that the ‘rapidity with which clinical researchers adopted this new
tool for the analysis of medical conditions was unsurpassed’. This line of argument sits somewhat uneasily with equally general claims, sometimes by the same authors, that the early use of x-rays was confined almost entirely to the detection of foreign bodies and fractures, that many doctors were suspicious of a technology which exemplified the new laboratory medicine and might therefore challenge their professional expertise, and that even in the case of, say, fracture diagnosis, x-rays were regarded for many years as a novelty that offered little beyond traditional diagnostic techniques such as palpation. In my seminar I shall suggest that producing an analytical framework within which the widely varying uses of x-rays in medicine circa 1900 can be understood requires us to situate those uses within the development of medical practice in the late nineteenth century. X-rays were important to surgery precisely because they impinged upon several historical and sociological questions of clinical and especially surgical practice and knowledge. I shall raise and discuss a number of issues that relate to the history and sociology of surgery circa 1900.

25 November  
**Stéphane van Damme  (Maison Francaise, Oxford)**
How to produce local knowledge in a European capital: the territorialization of science in Paris from Descartes to Kant

My current research project asks how the circulation of knowledge shaped the making of the great cultural metropolises in the period between the seventeenth and eighteenth centuries, in sites such as Paris, Lyon, London, Edinburgh, Rome and Naples. What is at stake in this historiographical shift is not to revive the tradition of history of capitalism, but to locate the process of territorialization of knowledge between the Fronde and the Revolution. Several recent works in history of science and urban studies pay more attention to the role played by such centres in the diffusion of knowledge and information in Europe. They criticise the functionalist metaphor of capital. In seeking to displace the reliance of social history of science on grand narratives of macro-social development, such as the analysis of the ‘colonial machine’, some historians of science have posited a grand theory of local knowledge which privileges ethnographic conversation, local interaction and tacit knowledge built by indigenous people (as in several works in the history of cartography). But they also contribute to dissolving the problematic of ‘capitals’ as a centre of knowledge by privileging short circles of diffusion as opposed to long-distance networks. Far from being opposed, local knowledge and universal natural philosophy could use the same social practices to gain access to different levels of recognition. We would like to show the various operations which led to this situation, and to argue that the recognition of local knowledge depends on the specific social practices, cultural institutions and networks of power such knowledge involved within the city.

2 December  
**Hilary Carey (University of Newcastle, NSW)**
The social transformation of astrology in the waning middle ages

In the fifteenth century, scholars based at the University of Cambridge led one of Europe’s leading centres for the scientific study of astrology and medicine. By the sixteenth century, astrology was more popular than ever but had traded in its intellectual cachet for the sleazy London-based underworld of the Renaissance practitioner. What forces led to the social and intellectual transformation of astrology in this period? This talk will consider ways in which the translation of the Arabic and Latin astrological corpus into English in the fourteenth and fifteenth centuries provides an indication of the changing character of late medieval astrology.

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**Research Methods Seminars**

Seminars on research methods and topics in history and philosophy of the sciences, for all new graduate students, are held in the first two weeks of term, on Thursdays at 4pm in Seminar Room 2. Tea is available from 3.45pm in Seminar Room 1. 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.

7 October  
**Chaired by Nick Jardine**

Peter Lipton: Writing philosophy; Nick Hopwood: Writing history; Liba Taub: Instruments; Patricia Fara: Scientific images; Nick Jardine: Historiography of the sciences; John Forrester: The temptations of the academic researcher

14 October  
**Chaired by John Forrester**

Eleanor Robson: History of science in strange languages; Andrew Cunningham: Writing discipline history in the history of medicine; Tim Lewens: Philosophy of the life sciences; Helen Macdonald: Environmental history; Stephen John: The risks of bioethics; Sujit Sivasundaram: Science and empire; Richard Noakes: History of physics and the occult
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.

20 October  Annette Mülberger (Universitat Autonoma de Barcelona)
Three varieties of psychology in Spain, 1919-1970

3 November  Jan Abram (British Psychoanalytical Society)
Survival of the object: does Winnicott’s work constitute a change in the symbolic matrix of psychoanalysis?

17 November  Lisa Downing (Queen Mary, University of London)
Narrating the nightmare: literary and scientific accounts of night terrors in nineteenth-century France

1 December  Sonu Shamdasani (Wellcome Trust Centre, University College London)
‘Psychotherapy’: the invention of a word

Psychoanalysis and the Humanities

Seminars are held fortnightly on Wednesdays at 5pm in G-R 07, Faculty of English, 9 West Road. All welcome. Organised by Mary Jacobus and David Hillman.

13 October  Matthew Bennett (University of East Anglia)
The turn of the screw, hysteria and the cinematograph

27 October  Naomi Segal (Institute of Germanic and Romance Studies, University of London)
Entering the skin of the other

10 November  Claire Kahane (University of Berkeley, CA)
Anecdotal selves: Flannery O’Connor and me

24 November  Joan Raphael-Leff (Anna Freud Centre and University of Essex)
‘Between the conception and the creation...falls the Shadow’: gender, generative identity and the creative process

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 Lauren Kassell

19 October  Robert Ralley (HPS, Cambridge)
Clerical medicine and textual appropriation in fifteenth-century England

2 November  Harriet Knight (Birkbeck College, London)
‘More copious, and less inaccurate’: Robert Boyle’s planned second edition of his Memoirs for the History of Human Blood

16 November  Silvia De Renzi (Open University)
Resemblance, paternity and imagination in early modern courts

30 November  Elaine Leong (University of Oxford)
Recipe collections in early modern England: women, household and science

History of Modern Medicine and Biology
Organised by Nick Hopwood

12 October  Emm Barnes (University of Manchester)
Mr Clever, Captain Chemo and the elephants: mediating childhood cancer

26 October  Sarah Wilmut (HPS, Cambridge)
Replacing the bull with a small glass phial: artificial insemination and the ambitions of interwar science

9 November  Ian Burney (University of Manchester)
Poison, detection and the Victorian imagination

23 November  Michael Bresalier (HPS, Cambridge)
Flu research after the great pandemic: experimental medicine and the making of a virus disease
Latin Therapy Group

The Latin Therapy Group meets on Fridays at 3pm 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 Rob Ralley.

Cabinet of Natural History

The seminar will meet on Mondays at 1pm in Seminar Room 1. You are most welcome to bring your lunch with you. Organised by Melanie Keene.

11 October Nick Grindle (Oxford Brookes University)
Francis Willughby, John Ray and the importance of collecting pictures

18 October Elizabeth Edwards (University of Kent)
Three late seventeenth century Dutch plant collectors: Simon van Beaumont, Hieronymous van Beverningk and Gaspar Fagel

25 October ANNUAL FUNGUS HUNT led by Nick Jardine
Meet at 1pm in front of Department. Please sign up on list on Department noticeboard.

1 November Melanie Keene (HPS, Cambridge)
John Mill’s The Fossil Spirit: A Boy’s Dream of Geology: education and the voices of science in Victorian Britain

8 November Pat Morris
Changing public attitudes towards taxidermy

15 November Jim Livesey (Trinity College, Dublin)
The community of naturalists in Montpellier in the eighteenth century

22 November Andrew Mendelsohn (Imperial College London)
Message in a bottle: the business of vaccines and the nature of heredity after 1880

29 November Naomi Beck (Max Planck Institute for the History of Science, Berlin)
F.A. von Hayek: an evolutionary economist

Wittgenstein Reading Group

We will be reading Wittgenstein’s Blue and Brown Books (Blackwell, 1958). Meetings will take place fortnightly on Tuesdays 3.00-4.30pm in the HPS Lodge. For further information please contact Lorenzo Bernasconi or Bill Grundy.

12 October Blue Book, pages 1 - 30
26 October Blue Book, pages 30 - 74
9 November Brown Book (Part I), pages 77 - 127
23 November Brown Book (Part II), pages 127 - 185

Epistemology Reading Group

We will be continuing to read 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 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.

7 October Michael Dummett, ‘Truth’
14 October Hilary Putnam, ‘Two Philosophical Perspectives’ and ‘The Face of Cognition’
21 October Richard Rorty, ‘Is Truth a Goal of Inquiry? Donald Davidson versus Crispin Wright’
28 October Martin Heidegger, ‘On the Essence of Truth’ and Michael Foucault, ‘Truth and Power’
4 November Donald Davidson, ‘The Folly of Trying to Define Truth’
11 November Ernest Sosa, ‘Epistemology and Primitive Truth’
18 November Jennifer Hornsby, ‘Truth: The Identity Theory’
25 November Crispin Wright, ‘Minimalism, Deflationism, Pragmatism, Pluralism’
Science and Literature Reading Group

We meet fortnightly on Wednesdays, in the upstairs seminar room in Darwin College at 8pm. Everybody is welcome; for more information please contact Kate Price. Reading packs containing all this term’s texts (except Poe) are on sale in the Whipple Library, £7.

Poe available in numerous editions or at http://xroads.virginia.edu/~HYPER/poe/eureka.html

13 October 
A History of the Moon (1835) and A History of the Sun (1835)
Meet the lunarian ladies and tour Pandemonium, the great solar city. All courtesy of Sir John Herschel’s marvellous telescope.

27 October 
Edgar Allen Poe, Eureka (1848)
Ever stood on top of the world, spun on your heel, and taken in the whole of creation at once? Give it a whirl…

10 November 
An Anonymous Tartar (ed), The Comet (1857)
It is 1857, and a German astronomer has spotted a comet headed for the Earth. With temperatures soaring, lava flowing and the plague spreading, men of science, politicians and even journalists face a sticky end.

24 November 
John Mill, The Fossil Spirit (1853)
Talking trilobites are ten a penny. But a talking ammonite with a subsequent career as a plesiosaurus, an iguanadon, a dodo, and a monkey, who can remember it all, and carry a tune? Selected chapters included in reading pack.

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 Anke Timmermann if you are interested in giving a paper (new PhD students and MPhils welcome) or adding your name to the e-mail list.

13 October Saira Malik
The rainbow in medieval Arabic science: the case of Kamal al-Din

27 October Meredith Price
DNA and the news media: science journalism and the history of DNA research

10 November James Hannam
Learning mathematics at Oxford and Cambridge in the 16th century

24 November Michael Edwards
Digressing with Aristotle: natural philosophy in Hieronymus Dandinus’ De corpore animato (1610)

Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research. Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

20 October William Grundy
Language and World in the early Wittgenstein

3 November Anandi Hattiangadi
Why we do the things we do

17 November Lorenzo Bernasconi
Some Kripkean reflections on Bourdieu’s notion of the Habitus

1 December Axel Gelfert
Vorsprung durch Testimony
Reading Kant

We meet on Tuesdays 1.00-2.30pm in the HPS Lodge. Organised by Alix Cohen, Stephen John and Marina Frasca-Spada. This term we shall read Book I of the *Anthropology from a Pragmatic Point of View*.

12 October
Introduction to §4: On the definition of pragmatic anthropology and on the self. (Presentation: Alix Cohen)

19 October
§5–§11: On ideas and sensibility. (Presentation: Brian King)

26 October
§12–§23: On perception and the senses. (Presentation: Nick Jardine)

2 November
§24–§30: On inner sense, the faculty of the senses and imagination. (Presentation: Marina Frasca-Spada)

9 November
§31–§36: On the sensory productive faculty. (Presentation: Yoon Choi)

16 November
§37–§44: On the involuntary invention in a sound mental state. (Presentation: Tim Lewens)

23 November
§45–§53: On the soul’s weaknesses and illnesses. (Presentation: Sasha Mudd)

30 November
§54–§59: On the cognitive faculty. (Presentation: Axel Gelfert)

Further reading


Louden, R. (2000): *Kant’s Impure Ethics* (Oxford: Oxford University Press) [especially chapter 3 which is specifically dedicated to Kant’s Anthropology].


Medieval Science and Philosophy Reading Group

The Medieval Science and Philosophy Reading Group will meet on Wednesdays, 1.00-2.00pm, in L1, Great Court, Trinity College. We shall be reading Peter of Spain’s ‘Tractatus’ (better known as ‘Summulae logicales’). For more information contact John Marenbon.
Lent Term 2005

Departmental Seminars

Seminars meet on Thursdays at 4.30pm in Seminar Room 2. There is tea beforehand in Seminar Room 1 at 4.15pm. Organised by Tim Lewens.

20 January  Sadiah Qureshi (HPS, Cambridge)
Ethnological showbusiness, collecting people and the natural history of man, 1800-1855

Throughout the Regency and early Victorian period, writers described London as a cosmopolitan city whose population encompassed global diversity. In the streets they could see people of diverse ethnic and social backgrounds crowding together, whilst, for a fee, they could also see living foreign, often colonised, peoples perform songs, dances and other rites as demonstrations of ethnic difference. In the first half of the 1800s, groups of Sámi, Native Americans, South Americans, Africans, ‘Aztecs’ and Inuits performed for the benefit of the public and provided some of the most profitable and publicly accessible forms of metropolitan entertainment. My talk examines these shows in relation to London’s entertainment scene in general, as opportunities for intercultural contact and as opportunities for scientific enquiry. The current literature on human display either briefly examines individual examples, or is devoted to the broader context of the post-Darwinian, large-scale, European and American world fairs. Furthermore, this literature has tended to present ethnological shows as purely racist entertainment, and has unhelpfully polarised them into examples of a ‘white self’ observing the ‘black other’. In contrast, my talk proposes that such shows were a genre that united entertainment and science and, as such, were formative for historical debates on human variation.

27 January  André Ariew (University of Rhode Island)
Neo-Darwinian fitness

There are significant differences between Darwin’s concept of ‘advantageousness’ and the 20th century post-synthesis concept of fitness. The contemporary philosophy of biology literature has failed to take these differences on board. As a result there is much confusion about the nature and scope of natural selection explanations. I will describe the differences between Darwin’s and neo-Darwinian theories of natural selection with the aim of providing an account of the nature of natural selection explanations.

3 February  Mohan Matthen (University of British Columbia)
Reduction, realization and ontology

In the middle of the twentieth century, philosophy of science was dominated by certain questions about the relationships between concepts, particularly in discussions of scientific change. By the end of the century, however, it was becoming clear that some of these problems could be addressed by appealing to what might be called ‘extension-anchored concepts’, i.e., concepts which are essentially tied to a particular domain, rather than to any particular description of things in this domain. In this paper, I develop this notion, showing how it arises out of human cognitive processes and showing how it sheds light on inter-theoretic relations of reduction and micro-explanation.

10 February  Richard Yeo (Griffith University, Brisbane)
John Locke and his notebooks: between memory and information

John Locke’s first mature publication appeared in the Bibliothèque Universelle of 1686. It was later translated for the Posthumous Works (1706) as ‘A New Method of a Common-Place-Book’. In this article, Locke revealed his lifelong habit of note-taking by the method of ‘commonplacing’ – collecting quotations under ‘Heads’ or topics, as advocated by Renaissance humanists. (The first draft of his Essay occurs in one of his commonplace books.) Locke’s practice appears to conflict with his criticisms of the bookish culture to which such note-taking belonged. I explain that he did not accept the whole package. His new method of indexing provides some clues to his departure from standard assumptions on two crucial issues – the role of memory, and the choice of Heads. Locke shifted the emphasis from rhetoric to research, making the commonplace book (and other notebooks) part of a system for storing a more diverse range of information. Retrieval, not recall from memory, was now the rationale. His break with memory training posed the question of how diverse information (including scientific data) should be collected and stored; his break with the notion of ‘common’ Heads complicated the Baconian project, to which (along with his friends Hooke and Boyle) Locke was a keen subscriber.

17 February  Anne Hardy (Wellcome Trust Centre at UCL)
Borderlands of knowledge: salmonella in the twentieth century

The history of disease is a multifaceted enterprise in which social, cultural, demographic, economic and sociological approaches have played a dominant role in recent decades. Yet disease also has a scientific dimension which repays examination. Some (but not all) diseases constitute sites of extended negotiation and conflict, shaping the way in which
medical disciplines develop and affecting their ability to influence public health policy and human lives. In this paper I explore the long discovery of salmonellosis (in Britain the dominant food-poisoning entity into the 1990s), whose complex ecology commands interdisciplinary communication, and the disciplinary borderlands where expert knowledges and disciplinary identities converged between epidemiology, microbiology, veterinary medicine and public health.

24 February  James Ladyman (University of Bristol)  
Relations among the phenomena

Scientific realism is the view that science tells us a more or less true story about the unobservable causes of the phenomena we observe. Bas van Fraassen is one of the best known critics of scientific realism. His view of science is called constructive empiricism, which is roughly the view that scientific theories need only be regarded as empirically adequate rather than true. Recently, van Fraassen has emphasised the importance of structural representation in science and called his view ‘structuralist empiricism’, summarised in the slogan: ‘science tells us about relations among the phenomena’. I will argue that there the idea of relations among the phenomena is ambiguous. By understanding it as referring, not merely to extensional relations among the actual phenomena, but to modal relations among actual and possible phenomena, we get a form of structural realism. The inadequacies of both constructive empiricism and standard scientific realism suggest that this modal structural realism is the best of both worlds.

3 March  Francesca Bordogna (Northwestern University)  
Ecstasy and community: William James and the politics of the self

Thinking about the self is often a way of thinking about society. Vice versa, ideas about community and forms of social interaction often map onto visions and practices of the self. This paper argues that the notion of the self that William James worked and reworked over a period of thirty years developed in tandem with his social and political vision. Drawing from medical, religious and occult practices and from political discourses of the time, James depicted the human self as unsubstantial, divided and bounded only loosely by uncertain contours. I argue that James mobilized the divided and open self in order to further his political vision of engaged citizenship, and to promote a cooperative society based on sympathy, intimacy, and solidarity. The techniques for the cultivation of the self that James borrowed from mental hygienists and yoga teachers promised a new, sustained form of unity, self-mastery and agency, one that would enable the individual to resist the depersonalizing action of the big economic and political forces at work in a capitalist society. At the same time, the ecstatic experiences of the open self allowed for mystical union with the supernatural and for intimacy and solidarity among fellow human beings, firmly rooting the individual in community. I discuss the ways in which James’s vision of the self and community related to those advocated by a range of mystical-cum-political writers of the time (including, for example, his father, Henry James Sr., and the British mystical socialist/anarchist Edward Carpenter) and conclude by unveiling the social and political dimension of James’s latest religious metaphysics, his so-called ‘pluralistic panpsychism’, a metaphysics which, I suggest, was premised on his account of the pluralistic and open self.

10 March  Sverker Sörlin (Royal Institute of Technology, Stockholm)  
Pre-global warming interpretations of glacial reduction: the case of Hans Ahlmann, polar science and British meteorology, 1930-1955

In the 1930s Swedish geographer Hans Ahlmann found increasing evidence of rapidly retreating glaciers in Scandinavia, Greenland, and North Atlantic Islands such as Svalbard. The communication of his findings was partly overshadowed by the war, but interest in his data continued and reached a peak around 1950, when Ahlmann had organized a joint Norwegian-Swedish-British Antarctic expedition as part of an effort to establish a global web of empirical evidence for climate ‘embetterment’ (as the current phrase ran). His own explanation of the observed phenomena relied purely on global weather systems and did not include Arrhenius’s 1896 Greenhouse Effect hypothesis. At the same time, however, British engineer-meteorologist G. S. Callendar claimed that human climate forcing, i.e. the Greenhouse Effect, was a valid hypothesis. In this paper I will look into how these arguments were shaped in different scientific cultures – ‘engaged amateur’ meteorology and physical geography – and how this may have affected research programs and planning after World War II, in particular the continuing scepticism towards climate warming among certain strands of physical geography and geophysics. I will also briefly explore possible explanations why Greenhouse effect theories did not gain ground at the time.

Special Philosophy Seminar

Friday 25 February at 3pm in Seminar Room 2 – all welcome!  
Patricia Glazebrook (Dalhousie University)  
Heidegger’s environmental phenomenology
Psyll 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.

2 February  A.S. Byatt (writer, London)
From soul to heart to psyche to personality
The venue for this seminar will be the Faculty of English, 9 West Road

16 February  Ben Shephard (writer and historian, author of A War of Nerves)
From traumatic neurosis to PTSD: putting Abram Kardiner in context

2 March  Leslie Topp (Oxford Brookes University)
Architecture, psychiatry and the modernist mental hospital in early twentieth-century Austria

16 March  Michael Roper (University of Essex)
Beyond containing: middle-class sons and emotional experience in the First World War

Psychoanalysis and the Humanities
Seminars are held fortnightly on Wednesdays at 5pm in the Faculty of English, 9 West Road. All welcome. Organised by Mary Jacobus and David Hillman.

26 January  Kate Belsey (University of Cardiff)
Psychoanalysis beyond idealism: Freud or the cultural script?

9 February  Yael Navaro-Yashin (Department of Social Anthropology, Cambridge)
Legality and affectivity in Cyprus and Britain: an anthropological and psychoanalytic approach

23 February  Pam Thorschewell (University College London)
Psychoanalysis and the ‘case’ of adolescence: Sigmund Freud, G. Stanley Hall and Willa Cather

9 March  Valerie Sinason (St George’s Hospital Medical School)
Titus Andronicus, cannibalism and multiplicity

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
Organised by Lauren Kassell

1 February  Leigh Chipman (University of Jerusalem)
‘... the pharmacist, who was my student in Mecca’: pharmacists in medieval Arabic biographical dictionaries
Please note this seminar will be at 1pm

15 February  Philip van der Eijk (University of Newcastle)
Aristotelianism and the development of medicine: the case of John Philoponus

1 March  Lucia Dacome (University College London)
The anatomy of the Pope: modelling the Catholic Enlightenment

15 March  Carole Rawcliffe (University of East Anglia)
Creating the medieval leper: some nineteenth-century myths

History of Modern Medicine and Biology
Organised by Nick Hopwood

25 January  Christina Brandt (MPI, Berlin)
Between fact and fiction: bioscientific research and early debates about cloning (in Germany)

8 February  Sven Dierig (MPI, Berlin)
Mechanical beauty: Bildung and the aesthetics of experiment in nineteenth-century German physiology

22 February  Nick Hopwood (HPS, Cambridge)
‘The proletariat can find in my preparations protection for their corpses’: politics of anatomical modelling in the nineteenth century

8 March  Debbie Brunton (Open University)
1848 and all that: writing public health history beyond the public health acts
Cabinet of Natural History

The seminar will meet on Mondays at 1pm in Seminar Room 1. You are most welcome to bring your lunch with you. Organised by Melanie Keene.

24 January  David Neufeld (Scott Polar Research Institute, Cambridge)  
Understanding Caribou: Western biological and Aboriginal traditional sciences

31 January  Matthew Underwood (Harvard University)  
‘To ask questions of men that converse with things’: reconsidering the Royal Society’s History of Trades

7 February  Pamela Smith (Department of Archaeology, Cambridge)  
A splendid idiosyncrasy: prehistory at Cambridge, 1915-50

14 February  Paul White (HPS, Cambridge)  
Darwin and the imperial archive

21 February  Darwin Correspondence Project

28 February  Cédric Cremière (Museum National d'Histoire Naturelle, Paris)  
The culture of donation: the international network of naturalists of the Muséum d’Histoire Naturelle of Paris (Chair of Comparative Anatomy in the XIXth century)

7 March  Christina Granroth (Wolfson College, Cambridge)  
Linnaeus and the troglodyte: man, beast and European knowledge of the East Indies in the early-modern era

14 March  Alan Rushton (Medical University of the Americas, Nevis)  
Bateson and the doctors: the introduction of Mendelian genetics to the British medical community, 1900-1910

Science and Literature Reading Group

In association with the Department of English, Drama & Writing at APU. We meet fortnightly on Wednesdays, upstairs in Darwin College at 8pm. Everybody welcome, from any background – no prior knowledge required! For more information please contact Katy Price.

Natural Philosophy & Poetry


9 March  Lucretius, *De Rerum Natura* ([on the nature of things]) (50 BCE). Available on various websites and in paperback editions. We’ll decide which section(s) to focus on nearer the time.

Epistemology Reading Group

We will be reading from John W. Carroll (ed.) *Readings on Laws of Nature* (paperback, Pittsburgh, 2004). Two copies are on reserve in the Whipple Library. Each meeting of the group will focus on one or two articles, 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.

20 January  Frank Jackson and Robert Pargetter, ‘Confirmation and the Nomological’ and Elliott Sober, ‘Confirmation and Lawlikeness’

27 January  John Foster, ‘Induction, Explanation and Natural Necessity’

3 February  Bas van Fraassen, ‘Armstrong on Laws and Probabilities’

10 February  John Bigelow, Brian Ellis and Caroline Lierse, ‘The World as One of a Kind: Natural Necessity and Laws of Nature’

17 February  Marc Lang, ‘Natural Laws and the Problem of Provisos’

24 February  Barry Loewer, ‘Humean Supervenience’

3 March  John Earman and John Roberts, ‘Ceteris Paribus, There is No Problem of Provisos’

10 March  Helen Beebee, ‘The Non-Governing Conception of Laws of Nature’
Wittgenstein Reading Group

We will be going through Part I of the *Philosophical Investigations* (Blackwell, 1953). Meetings will take place weekly on Tuesdays 3.00-4.30pm in the HPS Lodge. For further information please contact Lorenzo Bernasconi or Bill Grundy.

18 January §§1-64: the Augustinian Picture of Language (as in the Tractatus and Russell’s logical atomism)
[3] §§89-133: the nature of philosophy, and logic’s quest for an ideal language
8 February [5] §§143-84: linguistic understanding and the concept of reading
1 March [8] §§316-62: thought and thinking
15 March [12] §§428-65: intentionality – the harmony between language and reality

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 our box file in the Whipple Library. Please contact Anke Timmermann if you are interested in giving a paper or adding your name to the e-mail list.

9 February Sarah Dry: Barometers for fishing, fishing for barometers: maritime safety and meteorological expertise in mid-Victorian Britain
23 February Trish Stewart: ‘Madness in a bottle’: absinthe at the Fin de Siècle
9 March Marcia Holmes: Early ergonomics research in Cambridge: the Applied Psychology Research Unit, 1945-1950

Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research.

Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

2 February Arash Pessian: A causal contrastive theory of reference
16 February Christina McLeish: Disjunctive reference
2 March Alex Broadbent: Realism, structure and reference
16 March Ben Irvine: Schopenhauerian inconsistency and Rorty’s pragmatism...

Latin Therapy Group

The Latin Therapy Group meets on Fridays at 4pm in the HPS Lodge to practise the art of translation, improve our Latin grammar, and determine who deserves 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 Jason Rampelt. Information is also available on the Latin Therapy website, at www.hps.cam.ac.uk/latintherapy.
STS Workshop

Meetings are held on Thursdays, 12noon to 1.30pm in Seminar Room 2. All welcome. Organised by Jon Agar, Rob Doubleday and Martin Kusch.

20 January  **Simon Schaffer (HPS, Cambridge)** talks on ‘Public experiments and their private arts’

(A copy of the paper will be on reserve in the Whipple Library)

3 February  **Javier Lezaun (Centre for Analysis of Risk and Regulation, LSE)** talks on ‘Making opinions an object of STS investigation: the focus group as experimental setting’


17 February Discussion of two chapters of Sheila Jasanoff’s forthcoming book, *Designs on Life* (A copy of these chapters will be on reserve in the Whipple)

24 February  **Susan Owens (Geography, Cambridge)** talks on ‘Knowledge brokers or policy entrepreneurs? The role and influence of the Royal Commission on Environmental Pollution’

3 March  **Andy Stirling (SPRU, University of Sussex)** talks on ‘Science, precaution and participation: fundamental challenges – practical responses’


Modal Logic Reading Group

The Modal Logic Reading Group meets on Mondays at 3pm in the HP S Lodge, and aims to provide an informal and supportive environment for those wishing to learn the various systems of modal logic. For more information, contact Paul Dicken.

Reading Kant

We meet on Tuesdays 1.00-2.30pm in the HPS Lodge. Organised by Alix Cohen, Stephen John and Marina Frasca-Spada.


1 February  *Anthropology*, Book 3, pp. 174-193 (Presentation: Nick Jardine)

8 February  ‘Idea for a Universal History from a Cosmopolitan Point of View’ (Presentation: Steve John)

15 February  ‘An Answer to the Question: What is Enlightenment?’ and from *The Critique of Pure Reason*, AA 3 491-495 (Presentation: Sasha Mudd)

22 February  *Toward Perpetual Peace*, Section I through First Supplement (8:344 -8:368), pp. 317-337 (Presentation: Yoon Choi)

1 March  *Toward Perpetual Peace*, Second Supplement through to the end (8:369-8:386), pp.337-351 (Presentation: Marina Frasca-Spada)

8 March  ‘An Old Question Raised Again: Is the Human Race Constantly Progressing?’ (Presentation: Axel Gelfert)

15 March  ‘What is Orientation in Thinking?’ (Presentation: TBA)

Medieval Philosophy Reading Group

The Medieval Philosophy Reading Group will meet on Wednesdays, 1.00-2.00pm, in L1 Great Court, Trinity College. We shall be reading al-Farabi’s commentary on ‘De interpretatione’ by Aristotle, using the translation by F. Zimmermann (Oxford University Press). For more information contact John Marenbon.
Can any set of facts about an agent’s access to information, patterns of action, or tendencies to make judgments, actually imply the presence of full-blown qualitative consciousness (phenomenal awareness)? I shall argue for a positive response. In particular, I shall suggest that the key factor concerns direct, non-inferential access to indirect indicators of the kind of information-processing that is at work while we solve specific problems. Prime contenders for such indirect indicators include access to our own sensorimotor expectations, or (more abstractly, and perhaps more convincingly) awareness of the space of actions we are poised to perform. To imagine creatures possessed of such indirect access to their own information-processing routines is, I argue, to enter a necessarily zombie-free zone.

5 May  Paul E. Griffiths (University of Queensland)  
The conceptual impact of the genomic revolution

Molecular bioscience in the ‘postgenomic’ era constitutes a fascinating and challenging case study of the role of conceptual change in science. Bioscientists cope with discoveries which challenge their basic assumptions through conceptual innovation, extending and changing the meaning of such apparently precise biological terms as ‘exon’ or ‘cis-position’ in a way that Hans-Jörg Rheinberger has described as ‘exuberant’. This disregard for the traditional virtues of precision and stability in technical language makes perfect sense if we recognize that these biological concepts are primarily tools – ways of classifying experience forged by experimentalists to meet their specific needs and reforged as those needs change. I outline this perspective on empirically driven conceptual change and discuss research documenting the shift from a gene-centred view to a broader, genomics-oriented approach in contemporary molecular biology. I focus on an online survey conducted by myself and collaborators in 2003-4 in which biologists were asked to annotate conceptually challenging cases of genome transcription with the aim of revealing the range of conceptions of the gene operative in contemporary bioscience. The study seems to corroborate the widespread view amongst biology commentators that the textbook conception of the gene, the so-called ‘classical molecular gene’, is simply not up to the job of characterizing the full range of genomic elements that have turned out to play some of the traditional roles assigned to the gene. The concepts used by contemporary bioscientists to describe the significant functional and structural components of the genome are both diverse and flexible. A broader appreciation of these novel ways of conceptualizing the genome and its role in the production of bodies and behaviour could transform the understanding of genetic research by the rest of the academy and perhaps eventually by the community at large.

12 May  Susan Hurley (University of Warwick and All Souls College, Oxford)  
The shared circuits model: how control, mirroring and simulation can enable imitation and mind reading

Imitation and mind reading are distinctively human social-cognitive skills, which contribute in fundamental ways to being a person. The shared circuits model explains how they can be enabled by subpersonal functional mechanisms of control, mirroring and simulation. It unifies a wide body of evidence and theorizing about social cognition, and illustrates the philosophical view that embodied cognition can emerge from active perception, by avoiding a ‘classical sandwich’ architecture in which central cognition is insulated from the world between twin buffers of perception on the input side and action on the output side (Hurley 1998, 1991).

The central ideas of the shared circuits model are as follows. The starting point is dynamic on-line control in which an organism is tightly coupled through feedback to its embedding environment. Onto this are layered certain capacities for monitored inhibition and off-line simulation. Rich informational resources and distinctions emerge from such a layered architecture, enabling important cognitive capacities of persons. More specifically: predictive simulation of the effects of motor output can improve motor control and generate information for the distinction between action by the self and perception of the world. If predictive simulation is taken off-line, so that actual motor output is inhibited, and such inhibition is monitored, this can generate information about the results associated with alternate possible as opposed to actual actions, and enable imagination and counterfactual instrumental reasoning. Predictive simulation might come to be reversed, so that observing actions by others in a social group induces the copying or mirroring of elements of observed actions, including movements (as in response priming) or their results (as in emulation). Copying observed actions has various functions, in particular when mirroring is articulated to reflect the instrumental structure of observed actions, relating observed movements to their results flexibly as novel means to ends (as in imitative learning). Moreover, the capacity for simulation in the form of monitored inhibition of the output of such mirroring of perceived action could generate information for the distinction between one’s own actions and the observed actions of others, and enable understanding of the observed behaviour of others as instrumentally structured or intentional. Finally, the

Easter Term 2005

Departmental Seminars

Seminars meet on Thursdays at 4.30pm in Seminar Room 2. There is tea beforehand in Seminar Room 1 at 4.15pm.
Organised by Tim Lewens.

28 April  Andy Clark (University of Edinburgh)  
Action, access and the zombie-free zone

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capacity for monitored simulation of input specifying possible actions plus inhibited mirroring of such possible actions could generate information about the possible as opposed to actual actions of others (as well as self), and the possible causes and effects of such possible actions, enabling strategic social intelligence. While more advanced forms of strategic social cognition that require tracking multiple others and their multiple possible actions may depend on interpretative theorizing and/or language, the shared circuits model shows how imitation and mind reading may be enabled at a foundational level by practical mechanisms of control, mirroring and simulation.

Tenth Annual Hans Rausing Lecture

Professor Langdon Winner (Rensselaer Polytechnic Institute, New York)
Technology studies for terrorists: a short course

Thursday 19 May at 4.30pm
The Old Labs, Newnham College, Cambridge

Following the terrorist attacks of 9/11, leaders of the USA decided that the event was the first step in a war – ‘the war on terrorism’. This way of framing the situation has already cost hundreds of billions of dollars and tens of thousands of lives, casting a dark shadow on human rights worldwide. Is there a better way to think about the problems that terrorism poses? Recent scholarship in technology studies suggests some promising paths, strategies that could be more fruitful in understanding the malady and offering remedies.

From Generation to Reproduction

This seminar, which is funded by our Wellcome Trust enhancement award in the history of medicine, will be a forum for discussion of how, since 1500, our world of reproductive practices and controversy was created. We meet on Tuesdays from 5pm to 6.30pm in Seminar Room 2. Tea is available from 4.40 in Seminar Room 1. All welcome! Organised by Nick Hopwood.

3 May  Katharine Park (Harvard University)
The mother’s part: opening the uterus in Renaissance Italy
10 May  Martin Richards (SPS, Cambridge)
Perfected people at the Oneida community (1867-79): justifications from animal and plant breeding and theology
17 May  Barbara Duden (University of Hanover)
‘Pop-genes’: how gene-talk uproots perception and mobilizes to manage risks
24 May  Helga Satzinger (Wellcome Trust Centre at UCL)
The chromosomal theory of heredity and the problem of gender equality

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.

11 May  Carole Reeves (Wellcome Trust Centre for the History of Medicine, London)
Migration and mental illness: Jewish immigrants in Colney Hatch Lunatic Asylum, 1880-1920

Psychoanalysis and the Humanities

Seminars are held fortnightly on Wednesdays at 5pm in the Faculty of English, 9 West Road. All welcome. Organised by Mary Jacobus and David Hillman.

4 May  Renate Salecl (Churchill College, Cambridge)
Tyranny of choice: guilt and anxiety in limitless word
18 May  Vicky Lebeau (University of Sussex)
‘The child in question’: psychoanalysis and the image
Cabinet of Natural History

The seminar will meet on Mondays at 1pm in Seminar Room 1. You are most welcome to bring your lunch with you. Organised by Melanie Keene.

2 May  
Brian Ogilvie (University of Massachusetts, Amherst)  
Description and persuasion in seventeenth-century entomological illustrations

16 May  
Diarmid Finnegan (University of Edinburgh)  
‘Islands on the land’: alpine naturalising and evolution in Victorian Scotland

23 May  
Charlotte Sleigh (University of Kent)  
Scientific sheep and anthropomorphic goats: generic norms of amateur natural history in early twentieth-century America

30 May  
Juliana Adelman (National University of Ireland, Galway)  
The dawn animal of Canada: J.W. Dawson, W.B. Carpenter, the ‘Galway Professors’ and the controversy over Eozoan Canadense

13 June  
CABINET OF NATURAL HISTORY GARDEN PARTY  
12noon in King’s College Fellows’ Garden, Queen’s Road  
Featuring a short talk by Melanie Keene:  
‘An object in every walk’: Gideon Mantell and the art of seeing pebbles

Wed 15 June  
TRIP TO DOWN HOUSE

Epistemology Reading Group

We will be reading articles from Peter Ludlow, Yujin Nagasawa and Daniel Stoljar (eds) There’s Something about Mary: Essays on Phenomenal Consciousness and Frank Jackson’s Knowledge Argument (MIT, 2004). The book is available in paperback and two copies are on reserve in the Whipple Library. Each meeting of the group will focus on one or two essays, 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.

28 April  
Daniel Stoljar and Yujin Nagasawa, ‘Introduction’

5 May  
Daniel Dennett, ‘“Epiphenomenal” Qualia?’ and Howard Robinson, ‘Dennett on the Knowledge Argument’

12 May  
David Lewis, ‘What Experience Teaches’

19 May  
Philip Pettit, ‘Motion Blindness and the Knowledge Argument’

26 May  
Michael Tye, ‘Knowing What it is Like: The Ability Hypothesis and the Knowledge Argument’

2 June  
Paul Churchland, ‘Knowing Qualia: A Reply to Jackson’

9 June  
John Bigelow and Robert Pargetter, ‘Acquaintance with Qualia’

16 June  
Earl Conee, ‘Phenomenal Knowledge’

Science and Literature Reading Group

In association with the Department of English, Drama & Writing at APU. We meet fortnightly on Wednesdays, upstairs in Darwin College at 8pm. Everybody welcome, from any world whatsoever; no prior knowledge (of any kind) required. To introduce any session or for more information please contact Katy Price.

Other Worlds

4 May  
Margaret Cavendish, The Blazing World (1666), ISBN: 0140433724

18 May  

1 June  
Humphry Davy, Consolations in Travel (1830)

15 June  
Aristophanes, The Birds (414 BCE), ISBN: 0140449515 and numerous free texts on the web

Extracts from Fontenelle and Davy will be on sale in a pack available from the Whipple Library, from Wednesday 20 April onwards. The full texts can be found in Cambridge University Libraries.
Wittgenstein Reading Group

We will continue going through the *Philosophical Investigations* (Blackwell, 1953). Meetings will take place fortnightly on Tuesdays 3.00-4.30pm in the HPS Lodge. For further information please contact Lorenzo Bernasconi or Bill Grundy.

26 April §§363-97: imagination and mental images; §§571-610: mental states and processes: expectation, belief
10 May §§398-411: the first-person pronoun ‘I’ and the nature of the self; §§412-27: consciousness; §§611-28: the will
24 May §§428-65: intentionality – the harmony between language and reality; §§629-60: intending; §§661-93: meaning something
7 June §§466-90: induction and the justification of empirical beliefs; §§547-70: identity and difference of linguistic meaning

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 our box file in the Whipple Library. Please contact Anke Timmermann if you are interested in giving a paper or adding your name to the e-mail list.

4 May Patrick Boner: Kepler on the origins of comets and other celestial novelties
18 May Anke Timmermann: The curious incident of the recipes in the manuscripts – an alchemical whodunnit
1 June Leon A. Rocha: Transsexualism and gender identity disorder
15 June Melinda Baldwin: ‘These are not the characteristics of the sweet, home-loving little girl’: Dame Kathleen Lonsdale and gender bias in British science

Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research. Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

11 May Steve John: Liberty, equality, security: some thoughts on the lost value of political philosophy
25 May Neil Manson: Philosophy, commitment, and questions of consensus
8 June Angela Breitenbach: Kant’s teleological conception of nature
22 June Yoon Choi: Kant and the Unity of Reason Thesis

STS Workshop

Meetings are held on Thursdays, 12noon to 1.30pm in Seminar Room 2. All welcome. Organised by Jon Agar, Rob Doubleday and Martin Kusch.

28 April James Wilsdon (Demos, London) talks on ‘Lost in translation? Science, democracy and public value’
5 May Jon Agar (HPS, Cambridge) talks on ‘From sea change to loose change: how market-talk entered science policy’
12 May Discussion with Dominique Pestre (EHESS, Centre Koyré, Paris) on the basis of two of his papers (copies of these papers will be on reserve in the Whipple)
19 May Discussion with Langdon Winner (STS, Rensselaer Polytechnic Institute, Troy, N.Y.) on his work in the philosophy of technology
Latin Therapy Group
The Latin Therapy Group meets on Fridays at 4pm in the HPS Lodge to practise the art of translation, improve our Latin grammar, and determine who deserves 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 Patrick Boner. Information is also available on the Latin Therapy website, at www.hps.cam.ac.uk/latintherapy

Modal Logic Reading Group
The Modal Logic Reading Group meets Mondays at 3pm in the HPS Lodge. It offers an informal environment for those wishing to discuss various modal, and other non-classical, logics. We will be working primarily from Hughes, G.E. & Cresswell, M.J. (1996) *A New Introduction to Modal Logic* (London: Routledge). A copy of Hughes & Cresswell and copies of the other listed readings are on reserve in the Whipple Library. For more information, contact Paul Dicken.

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<tr>
<td>2 May</td>
<td>Hughes &amp; Cresswell, ch 4 ‘Testing for Validity’</td>
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<td>9 May</td>
<td>Hughes &amp; Cresswell, ch 13 ‘The Lower Predicate Calculus’</td>
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<td>30 May</td>
<td>Hughes &amp; Cresswell, ch 5 ‘ Conjunctive Normal Form’</td>
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<td>6 June</td>
<td>Hughes &amp; Cresswell, ch 6 ‘Completeness’</td>
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Reading Kant
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<tr>
<td>3 May</td>
<td>First Introduction to the Critique of Judgment, §§ 1-4. Presentation: Angela Breitenbach</td>
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<td>10 May</td>
<td>First Introduction to the Critique of Judgment, §§ 5-8. Presentation: Alix Cohen</td>
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<tr>
<td>17 May</td>
<td>First Introduction to the Critique of Judgment, §§ 9-12. Presentation: Yoon Choi</td>
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Medieval Philosophy Reading Group
The Medieval Philosophy Reading Group will meet on Wednesdays, 1.00-2.00pm, in L1 Great Court, Trinity College. The first meeting will be on Wednesday 4 May. We shall be studying a selection of texts by Duns Scotus, using as our main source his *Philosophical Writings*, translated by Allan Wolter. We shall start with the section ‘Concerning Metaphysics’. For more information contact John Marenbon.