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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

Affiliated Lecturers

Soraya de Chadarevian
Patricia Fara
Marina Frasca-Spada
Richard Jennings
Sachiko Kusakawa
Irina Singh
Deborah Thom
Frances Willmoth

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 Chimiris
Harry Collins
John Cornwell
Christopher Cullen
Silvia De Renzi
Nick Dew

David Dewhurst
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

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
Robert Ralley
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

Undergraduates	NST Part II.....	42
	MVST Part II	7
	NST Part IB	93
Graduates	MPhil.....	20
	PhD	46

Examination results

NST Part II	1.....	10	(24%)
	2i	26	(62%)
	2ii	6	(14%)
	3.....	0	
	Fail	0	
NST Part IB	1.....	13	(14%)
	2i	46	(50%)
	2ii	31	(33%)
	3.....	2	(2%)
	Fail	1	(1%)

Graduate degrees awarded

MPhil degrees awarded.....	20
PhD degrees awarded.....	10
LittD degrees awarded	1

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 artifacts 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' (Löffler)

What were Tyndall's motives for writing his article in *The Times* supporting Koch's *Die Aetiologie der Tuberculose*?

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

Bringing the war home in *Silent Spring*

'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 artificions 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)

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 grateful 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

Katie Eagleton and Boris Jardine, 'Collections and projections: Henry Sutton's paper instruments' *Journal of the History of Collections* 17 (2005) 1-13

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

0350	Horizontal dial
1581	Sopwith's geological models
0315	Pillar dial
2364	Prim staff
3461	Earthquake model
1642	Astronomical chart
5812	Musser electric Copernican planetarium
5857	Muggletonian prints

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

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. 'Science, citizenship and the market: reflections on UK experience', Science for Sale conference, Cornell University

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

Banham, D., Biggam, C.P. et al. 'Bibliography for 2003', *Anglo-Saxon England* 33 (2004), 283-393

In Press

Articles in books

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

Banham, D. (2005) 'The staff of life: cross and blessings in Anglo-Saxon cereal production' in S. Laratt Keefer, et al. (eds) *The Cross in Anglo-Saxon England and on the Continent*

Lectures and conferences

October 2004

Banham, D. 'But what did they have for breakfast? Diet in Anglo-Saxon England', Heritage Open Day, West Stow Anglo-Saxon Village, Suffolk

January 2005

Banham, D. 'The Britons in Anglo-Saxon England', Medieval Minorities seminar series, Birkbeck College, London

May 2005

Banham, D. 'Anglo-Saxon magic and medicine', 'The Heroic Age' study day, Birkbeck College, London

August 2005

Banham, D. 'England joins the medical mainstream: new texts in eleventh-century manuscripts', International Society of Anglo-Saxonists, Munich

Andrew Barry

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

Publications

Books

Barry, A. and Salter, D. (eds) (2005) *The Technological Economy*, Routledge

Articles in books

Barry, A. (2005) 'The British-Georgian case: the Baku-Tbilisi-Ceyhan pipeline' in B. Latour and C. Gramaglia (eds) *Territoires, Environnement et Nouveaux Modes de Gestion: La Gouvernance en Question*, CNRS, 105-118

Barry, A. and Kimbell, L. (2005) 'Pindices' in B. Latour (ed.) *Making Things Public: Atmospheres of Democracy*, MIT Press

Barry, A. and Slater, D. (2005) 'Introduction' in A. Barry and D. Slater (eds) *The Technological Economy*, Routledge, 1-27

Barry, A. (2005) 'The anti-political economy' in A. Barry and D. Slater (eds) *The Technological Economy*, Routledge, 84-100

Articles in journals

Barry, A. 'Pharmaceutical matters: the invention of informed materials', *Theory, Culture and Society* 22 (2005), 51-69

Reports

Barry, A. (2005) 'Social and human rights impacts and the governance of technology', Economic and Social Research Council, 40pp

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

Barry, A. and Kimbell, L. *Pindices*, gallery project, website and live research, Zentrum für Kunst und Medientechnologie, 'Making Things Public' exhibition (curated by B. Latour and P. Weibel)

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

Bernasconi Kohn, L. (2005) 'Wittgenstein and the ontology of the social: some Kripkean reflections on Bourdieu's "Theory of Practice"' in C. Lawson and J.S. Latsis (eds) *Theorising Ontology*, Routledge

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

Boner, P.J. 'Soul-searching with Kepler: an analysis of anima in his astrology', *Journal for the History of Astronomy* 36 (2005), 7-20

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

Boner, P.J. 'Kepler and the changing faces of the Scientific Revolution', *Between Renaissance and Enlightenment: the Scientific Revolution, Early Modern Science*, University of Florida

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

Bowler, P.J. and Morus, I.R. (2005) *Making Modern Science: A Historical Survey*, University of Chicago Press

Articles in books

Bowler, P.J. (2005) 'The spectre of Darwinism: the popular image of Darwinism in early twentieth-century Britain' in A. Lustig, R.J. Richards and M. Ruse (eds) *Darwinian Heresies*, Cambridge University Press, 48-68

Bowler, P.J. (2005) 'Changing conceptions of "early man"' in B. Kleeman, T. Walter and F. Crivellari (eds) *Urmensch und Wissenschaften: Eine Bestandsaufnahme*, Wissenschaftliche Buchgesellschaft, 48-57

Bowler, P.J. (2005) 'Darwin on the expression of the emotions: the eclipse of a research programme' in K. Milton and M. Svasek (eds) *Mixed Emotions: Anthropological Studies of Feelings*, Berg, 43-54

Bowler, P.J. (2005) 'From science to the popularization of science: the career of J. Arthur Thomson' in M.T. Eddy and D. Knight (eds) *Science and Beliefs: From Natural Philosophy to Natural Science, 1700-1900*, Ashgate, 231-248

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

- Bowler, P.J. (2005) 'Fins and limbs and limbs into fins: the historical context, 1840-1940' in B.K. Hall (ed.) *Fins and Limbs*, University of Chicago Press
- Bowler, P.J. (2005) 'The variation concept in biology from Darwin to the Modern Synthesis' in B. Hallgrímsson and B.K. Hall (eds) *Variation*, Academic Press
- Bowler, P.J. (2005) 'Christianity and the sciences' in H. McCleod (ed.) *The Cambridge History of Christianity*, vol. IX, Cambridge University Press
- Bowler, P.J. (2005) 'The moral significance of "life's splendid drama": from natural theology to adaptive scenarios' in M. Gosman (ed.) *The Book of Nature: Continuity and Change in European and American Attitudes towards the Natural World*, Peeters

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

- Butterfield, J. and Halvorson, H. (eds) (2004) *Quantum Entanglements*, Oxford University Press

Articles in books

- Butterfield, J. (2004) 'Some aspects of modality in analytical mechanics' in P. Weingartner and M. Stoeltzner (eds) *Formale Teleologie und Kausalität in der Physik*, Mentis, 160-198

Butterfield, J. (2004) 'On Hamilton-Jacobi Theory as a classical root of theory' in A. Elitzur, S. Dolev and N. Kolenda (eds) *Quo Vadis Quantum Mechanics? Developments in Quantum Theory in the 21st Century*, Springer, 239-273

Articles in journals

Butterfield, J. 'David Lewis meets Hamilton and Jacobi', *Philosophy of Science* 71 (2004), 1095-1106

Butterfield, J. 'On the persistence of particles' *Foundations of Physics* 35 (2005), 233-269

Reviews

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

Butterfield, J. Review of P. Weingartner (ed.) *Alternative Logics: Does Science Need Them?*, in *Contemporary Physics* 46 (2005), 57-58

Butterfield, J. Review of E. Joos et al., *Decoherence and the Appearance of a Classical World in Quantum Theory*, and G. Sewell, *Quantum Mechanics and its Emergent Macrophysics*, in *Philosophy of Science* 72 (2005), 395-399

In Press

Articles in books

Butterfield, J. (2006) 'On Symplectic Reduction in classical mechanics' in J. Earman and J. Butterfield (eds) *The Handbook of Philosophy of Physics*, North Holland

Butterfield, J. (2006) 'On symmetries and conserved quantities in classical mechanics' in W. Demopoulos and I. Pitowsky (eds) *Festschrift for Jeffrey Bub*, Kluwer

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

Carroll, V. 'Natural history on display: the collection of Charles Waterton' in A. Fyfe and B. Lightman (eds) *Science in the Marketplace: Nineteenth-Century Sites and Experiences*, University of Chicago Press

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

de Chadarevian, S. (2004) 'Mapping the worm's genome: tools, networks, patronage' in J.-P. Gaudillière and H.-J. Rheinberger (eds) *Mapping Cultures in Twentieth Century Genetics*, Routledge, 95-110

de Chadarevian, S. (2004) 'Protein sequencing and the making of molecular genetics' in J. Witkowski (ed.) *The Inside Story: DNA to RNA to Protein. Readings from Trends in Biochemical Sciences*, Cold Spring Harbor Laboratory Press, 345-353

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. 'Mice and the reactor: the "genetic experiment" in 1950s Britain', *Journal of the History of Biology*

de Chadarevian, S. 'Asilomar – ein Moratorium und was daraus geworden ist', *Gegenworte* (2005)

Reviews

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

Lectures and Conferences

November 2004

de Chadarevian, S. 'Nuclear fallout: genetic concerns post-1945', at workshop *Atomic Sciences*, Princeton University

December 2004

de Chadarevian, S. 'Beyond the double helix: genetics in the atomic age', seminar talk, Harvard University

February 2005

de Chadarevian, S. 'Radiation, mutations, and public health', at conference *The Era of Biomedicine: Science, Technology and Health in France and Britain, 1945-1975*, Maison Francaise, Oxford

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

Chimisso, C. (2004) 'La ragione scientifica e la pedagogia nel Lautréamont di Bachelard' [Scientific mind and pedagogy in Bachelard's Lautréamont] in C. Vinti and F. Bonicalzi (eds) *Ri-cominciare: Percorsi e attualità dell'opera di Gaston Bachelard*, Jaka Book

Articles in journals

Chimisso, C. 'Gaston Bachelard and the history of the mind', *PLI, The Warwick Journal of Philosophy* 16 (2005)

Reviews

Chimisso, C. Review of J.-F. Stoffel, *Bibliographie d'Alexandre Koyré*, in *Isis* 95 (2004)

Chimisso, C. Review of H. Gispert (ed.) '*Pour la science, pour la patrie*': *L'association française pour l'avancement des sciences (1872-1914)*, in *British Journal for the History of Science* 37 (2004)

In Press

Articles in books

Chimisso, C. 'From phenomenology to phenomenotechnique: the role of early-twentieth-century physics in Gaston Bachelard's philosophy' in O. Sibum (ed.) *New Paths of Physical Knowledge Science and the Changing Sense of Reality ca 1900*

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

Reviews

Chimisso, C. 'The identity and routes of philosophy of science', essay review of A. Brenner, *Les origines françaises de la philosophie des sciences*, in *Studies in History and Philosophy of Science*

Lectures and Conferences

November 2004

Chimisso, C. 'From phenomenology to phenomenotechnique: the role of early twentieth-century physics in Gaston Bachelard's philosophy', 'New Paths of Knowledge' 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

Cohen, A. 'In defence of Hume's historical method', *British Journal for the History of Philosophy* 13 (2005)

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

Cullen, C. (2004) *The Suan shu shu 'Writings on reckoning': A translation of a Chinese mathematical collection of the second century BC, with explanatory commentary*, Needham Research Institute Working Papers

Lo, V. and Cullen, C. (2005) *Medieval Chinese Medicine: The Dunhuang Medical Manuscripts*, RoutledgeCurzon

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

Science and Civilisation In China, Volume 7, Science and Chinese Society Part 2, General Conclusions and Reflections. Joseph Needham, edited by Kenneth Girdwood Robinson, with contributions by Ray Huang, and an introduction by Mark Elvin, Cambridge, 2004

Articles in journals

Cullen, C. 'Jianqiao Li Yuese Yanjiusuo he "Zhonguo Kexue Jishu Shi"', *Chinese Journal for the History of Science and Technology* 26 (2004), 65-69

In Press

Articles in journals

Cullen, C. 'Translating ancient Chinese astronomical systems with Excel: how not to stew the strawberries?', *Journal for the History of Astronomy* 36 (2005)

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'

January 2005

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 XXIInd 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

Dean, K. 'Scientists, citizens, soldiers: demonstrating the Melbourne University Respirator', Research Seminar, Menzies Centre for Australian Studies, London

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

Dean, K. 'Scientists, citizens, soldiers: demonstrating the Melbourne University Respirator', Research Colloquium, Wolfson College, Cambridge

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

Demir, I. (2005) 'Thomas Kuhn's construction of scientific communities' in S. Herbrechter and M.T. Higgins (eds) *Returning (to) Communities: Theory, Culture and Political Practice of the Communal*, Rodopi

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 Médiévales (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

El-Bizri, N. 'La perception de la profondeur: Alhazen, Berkeley et Merleau-Ponty', *Oriens-Occidens: sciences, mathématiques et philosophie de l'antiquité à l'âge classique – Cahiers du Centre d'Histoire des Sciences et des Philosophies Arabes et Médiévales*, CNRS 5 (2004), 171-184

El-Bizri, N. 'On kai khôra: situating Heidegger between the *Sophist* and the *Timaeus*', *Studia Phaenomenologica* 4 (2004), 73-98

El-Bizri, N. 'Ontopoiêsis and the interpretation of Plato's *Khôra*', *Analecta Husserliana: The Yearbook of Phenomenological Research* 83 (2004), 25-45

Articles in encyclopaedias

El-Bizri, N. (2004) 'The spread of Islam (632-1258 CE)' in M. Ruthven and A. Nanji (eds) *Historical Atlas of Islam*, Harvard University Press, 38-39

In Press

Articles in books

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

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

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

El-Bizri, N. 'Being and necessity' in A.-T. Tymieniecka (ed.) *Microcosm and Macrocosm: Historical and Contemporary Concerns*, Kluwer Academic Publishers

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. 'Being-towards-death: on Martyrdom and Islam', in A. Melloni and M. Campanini (eds) *Il Martirio volontario nell'ebraismo, nel cristianesimo e nell'islam: una storia condivisa*, Cristianismo nella storia fascicolo monografico

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

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

Articles in journals

El-Bizri, N. 'A philosophical perspective on Alhazen's *Optics*', *Arabic Sciences and Philosophy* 15

Articles in encyclopaedias

- El-Bizri, N. 'Ikhwan al-Safa (Brethren of Sincerity)' in D.M. Borchert et al. (eds) *Encyclopedia of Philosophy*, 2nd ed., Macmillan Reference
- El-Bizri, N. 'Kamal al-Din al-Farisi', 'Ibn al-Haytham', 'Thabit Ibn Qurrah' and 'Ikhwan al-Safa' in O. Leamen (ed.) *Dictionary of Islamic Philosophers*, Thoemmes Press
- El-Bizri, N. 'Brethren of Purity', 'Ibn al-Haytham (Alhazen)', 'Ibn Sina (Avicenna)', 'Optics', 'Plato', 'Neoplatonism' and 'Time: Concepts of' in J. Meri et al. (eds) *Medieval Islamic Civilization: An Encyclopedia*, Routledge
- El-Bizri, N. 'Ibn al-Haytham' in T.F. Glick, S.J. Livesey and F. Wallis (eds) *Encyclopedia of Medieval Science*, Routledge

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

Endersby, J. 'Classifying sciences: systematics and status in mid-Victorian natural history' in M. Daunton (ed.) *The Organisation of Knowledge in Victorian Britain*, British Academy/Oxford University Press, 61-85

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

Endersby, J. (2006) *A Guinea Pig's History of Biology: The Animals and Plants who Taught us the Facts of Life*
An introduction to the history of biology, aimed at both undergraduate and general audiences, focussed on the experimental organisms which were central to the understanding of sexual reproduction, inheritance and genetics. 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

Fara, P. (2005) *Scientists Anonymous: Great Stories of Women in Science*, Wizard

Fara, P. (2005) *Fatal Attraction: Magnetic Mysteries of the Enlightenment*, Icon

Articles in books

Fara, P. (2004) 'Christlicher Philosoph oder Volksheld? Die vielen Gesichter von Isaac Newton' (translated by T. Junge) in T. Junge and D. Ohlloff (eds) *Wahnsinnig Genial: Der Mad Scientist Reader*, Alibri, 196-216

Articles in journals

Fara, P. 'Advertising Albert Einstein' (translated by J.S. Castel), *Mètode* 45/spring 2005, 20-25

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 B. Dolan, *Josiah Wedgwood: Entrepreneur to the Enlightenment*, in *THES*, 1 July 2005, 30

Fara, P. Review of K. Thomson, *The Watch on the Heath: Science and Religion before Darwin*, in *History Today*, June 2005, 62

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

Fara, P. Review of P. Blom, *Encyclopédie: The Triumph of Reason in an Unreasonable Age*, in *THES*, 14 Jan 2005, 25

Fara, P. Review of J. Secord, *Collected Works of Mary Somerville* and A. Chapman, *Mary Somerville and the World of Science*, in *Nature* 432 (2004), 553

Fara, P. Review of K.C. Knox and R. Noakes (eds) *From Newton to Hawking: A History of Cambridge University's Lucasian Professors of Mathematics*, in *Notes and Records of the Royal Society* 58 (2004), 312-313

Fara, P. Review of W.R. Shea, *Science and the Visual Image in the Enlightenment*, in *Annals of Science* 61 (2004), 399-401

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 M. Feingold, *The Newtonian Moment: Isaac Newton and the Making of Modern Culture*, in *Nuncius*

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*

Fara, P. Review of P.J. Bowler and I.R. Morus, *Making Modern Science: A Historical Survey*, in *Notes and Records of the Royal Society*

Fara, P. Review of M. Jacob and L. Stewart, *Practical Matter: Newton's Science in the Service of Industry and Empire*, in *Minerva*

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

Forrester, J. and Appignanesi, L. (2005) *Freud's Women*, 3rd edition, with new Prologue, Orion

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

Forrester, J. 'Remembering and forgetting Freud in early twentieth century dreams', paper delivered to conference, *Forgetting Freud? New Approaches in the Historiography of Psychoanalysis*, Sigmund Freud Museum, Wien

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

Frasca-Spada, M. and Kail, P.J.E. (eds) *Impressions of Hume*, Oxford University Press, 2005

Articles in books

Frasca-Spada, M. 'Quixotic confusions and Hume's imagination', in *Impressions of Hume*

Frasca-Spada, M. and Kail, P.J.E. 'Introduction', in collaboration with P. Kail, 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

Fyfe, A. (2005) 'Expertise and Christianity: the problems of popular publishing in the mid-nineteenth century' in D.M. Knight and M.D. Eddy (eds) *Science and Beliefs: From Natural History to Natural Science*, Ashgate, 113-126

Articles in journals

Fyfe, A. 'Commerce and philanthropy: the Religious Tract Society and the business of publishing', *Journal of Victorian Culture* 9 (2004), 164-188

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

Fyfe, A. 'Science for travel: railway travel and the popularisation of natural history in mid-nineteenth century Britain', 22nd International Congress of the History of Science, Beijing

September 2005

Fyfe, A. 'Railway travel and the popularisation of natural history in mid-nineteenth century Britain', *Literature Travels*, University of Wolverhampton

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

Gelfert, A. (2005) 'Aufklärung des Patienten / Informed Consent', 'Forensik', 'Lebensqualität', 'Placebo', 'Prion' and 'Simulation' in B.v. Jagow and F. Steger (eds) *Literatur und Medizin. Ein Lexikon*, Vandenhoeck & Ruprecht, pp. 87-91; 278-283; 560-564; 740-743; 744-747; 854-858

Articles in journals

Gelfert, A. and Vogt, M. 'Nobelpreise zählen ist nicht genug: Ein Plädoyer für die Lehre', *Berliner Republik* (May/June 2005), 12-13

Reviews

Gelfert, A. Critical notice of R. Foley, *Intellectual Trust in Oneself and Others*, in *Logical Analysis and History of Philosophy* 6 ('History of Epistemology') (2005), 220-226

In Press

Articles in journals

Gelfert, A. 'Mathematical rigor in physics: putting exact results in their place', *Philosophy of Science* (2005)

Gelfert, A. 'Kant on testimony', *British Journal for the History of Philosophy* (2006)

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

- Gray, J.J. (2004) 'Poncelet and projective geometry', 'Riemann's geometries' and 'Klein's Erlangen Program' in I. Grattan-Guinness (ed.) *Landmark Writings in Western Mathematics, 1640-1940*, Elsevier, 366-376, 506-520, 544-552
- Gray, J.J. 'Geometria Algebraica' and 'Geometria Differenziale' in *Storia della Scienza*, vol. VIII, Enciclopedia Italiana, 198-207, 207-217

In Press

Articles in books

- Gray, J.J. (2005) 'Gauss and non-Euclidean geometry' in *Proceedings of the Conference on the 200th Anniversary of the Birth of Janos Bolyai* (Budapest, Hungary, July 2002), Kluwer
- Gray, J.J. (2005) 'Poincaré – between physics and philosophy' in M. Friedman and A. Nordmann, (eds) *Kant and the Exact Sciences*, Dibner Institute Press, MIT
- Gray, J.J. (2005) 'Enriques: popularising science and the problems of geometry' in J. Lützen (ed.) *Proceedings of the Conference on Interactions between Mathematics, Physics, and Philosophy, 1850-1940*, Kluwer
- Gray, J.J. (2005) 'Olinde Rodrigues's paper of 1840 on a group of transformations' in S. Altman and E. Ortiz (eds) *Mathematical and Social Utopias in France: Olinde Rodrigues and his Times*, The American and London Mathematical Societies series in the history of mathematics, 131-140
- Gray, J.J. (2005) 'A.R. Forsyth' in J. Richards (ed.) *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press
- Gray, J.J. (2005) 'Mathematical prizes' for a book on the Clay Prizes, Clay Mathematics Institute
- Gray, J.J. (2005) 'Geometry, history of' in *Princeton Companion to Mathematics*, Princeton U.P.
- Gray, J.J. (2005) 'Geometry' in *New Dictionary of the History of Ideas*, Scribner's, New York

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

- Hannam, J. Review of D. Lindberg and R. Numbers (eds) *When Science and Christianity Meet*, in *Science and Christian Belief* 17 (2005)

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

Dan submitted his PhD thesis, *Laws of Nature: Reductive Metaphysics, Anti-reductive Semantics*, in August 2005, after two enjoyable years in HPS. He has left philosophy (insofar as that is possible) to join the Fast Stream of the British Civil Service.

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

Hopwood N. Review of C.-R. Prüll, *Medizin am Toten oder am Lebenden? Pathologie in Berlin und in London, 1900-1945*, in *Isis* 96 (2005), 303-304

In Press

Articles in books

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

Lectures and Conferences

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

Imhausen, A. 'Ancient Egyptian mathematics: new perspectives on old sources', *Mathematical Intelligencer* 28(1) (2006)

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 Segonds (CNRS, Paris), 'Conflict and priority in early-modern astronomy'.

Publications

Articles in books

Jardine, N. (2005) 'The many significances of Kepler's *Contra Ursum*' in F. Boockmann, D. Di Liscia and H. Kothmann (eds) *Miscellanea Kepleriana: Festschrift für Volker Bialis*, *Algorismus* Vol. 47, Erwin Rauner Verlag, 129-142

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

Jardine, N. and Segonds, A. *La Guerre des astronomes*, vol. 1, *La Querelle au sujet de l'origine du système géohéliocentrique à la fin du XVIe siècle*, Les Belles Lettres

Articles in books

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

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

Jennings, R. Review of Animal Procedures Committee, *Review of Cost-Benefit Assessment in the Use of Animals in Research*, in *Livestock Production Science* 93 (April 2005), 186-187

Jennings, R. Review of Food Ethics Council, *Engineering Nutrition: GM Crops for Global Justice?* in *Livestock Production Science* 93 (April 2005), 175-177

Jennings, R. Review of F. Stadler, *The Vienna Circle: Studies in the Origins, Development, and Influence of Logical Empiricism*, in *History of Philosophy of Science Newsletter* 8(2) (2005), 10-11

Jennings, R. Review of Animal Procedures Committee, *Review of Cost-Benefit Assessment in the Use of Animals in Research*, in *SGR/AESR Newsletter* (February 2005), 25

Jennings, R. Review of Food Ethics Council, *Engineering Nutrition: GM Crops for Global Justice?* in *SGR/AESR Newsletter* (February 2005), 23-24

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

Jennings, R. Review of GeneWatch UK, *Non-Food GM Crops: New Dawn or False Hope? Part 1: Drug Production*, in *SGR/AESR Newsletter*

Jennings, R. Review of GeneWatch UK, *Non-Food GM Crops: New Dawn or False Hope? Part 2: Grasses, Flowers, Trees, Fibre Crops and Industrial Uses*, in *SGR/AESR Newsletter*

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

John, S. (2005) 'Genomics and global health', *Cambridge Genetics Knowledge Park Newsletter* (Summer 2005)

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

Fenlon, I. and Jones, P. (eds) (2005) *Bernard Williams 1929-2003*, King's College

Articles in books

Jones, P.M. (2004) 'John Arderne', 'John Argentine', 'John Cokkys', 'John Crophill', 'John Doget', 'Thomas Fayreford' and 'Thomas Gemini' in *The Oxford Dictionary of National Biography*, Oxford University Press

Jones, P. (2005) 'The medieval encyclopedia: science and practice' in S. Panayatova and P. Binski (eds) *The Cambridge Illuminations: Ten Centuries of Book Production in the Medieval West*, Cambridge University Press, 297-325

In Press

Articles in books

- Jones, P.M. (2005) 'Picturing medicine in the age of Petrarch' in T. Pesenti and V.Fera (eds) *Petrarca e la Medicina. Atti del Convegno di studi, Capo d'Orlando, 27-28 giugno 2003, Messina*, Centro Interdipartimentale di Studi Umanistici
- Jones, P.M. (2006) 'Word and image in medieval medicine' in J. Givens, K. Reeds and A. Touwaide (eds) *Visualizing Medieval Medicine and Natural History, 1200-1550*, Ashgate
- Jones, P.M. (2006) 'Herbs and the medieval surgeon' in P. Dendle and A. Touwaide (eds) *Health and Healing in the Medieval Garden*, Boydell & Brewer
- 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
- Burnett, C. and Jones, P.M. 'Scientific and medical books' in N.J. Morgan and R.M. Thomson (eds) *The Cambridge History of the Book in Britain*, vol. II, *The Manuscript Book c.1100-1400*, Cambridge University Press

Lectures and Conferences

November 2004

- Jones, P.M. 'Literatur und Gegenstände', Wissensaustausch in der Medizin des 15.-18. Jahrhunderts, Wiener Gespräche zur Sozialgeschichte der Medizin, Vienna

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

- Kassell, L. (2005) *Medicine and Magic in Elizabethan London: Simon Forman, Astrologer, Alchemist, and Physician*, Oxford University Press

Articles in books

- Kassell, L. (2004) 'John Chamber', 'Roger Cooke', 'Francis Coxe', 'Simon Forman', 'John Maplet', 'Sir William Paddy' and 'Henry Pinnel' in *New Dictionary of National Biography*, Oxford University Press

Articles in journals

- Kassell, L. 'An alchemist and his notebooks', *Studies in the History and Philosophy of Science Part A* 35 (2004), 845-849 [an extended review of W. Newman and L. Principe (2003) *Alchemy Tried in the Fire: Starkey, Boyle, and the Fate of Helmontian Chymistry*, University of Chicago Press]

In Press

Articles in books

- Kassell, L. (2005) 'The economy of magic in Early Modern England' in M. Pelling and S. Mandelbrote (eds) *The Practice of Reform in Health, Medicine, and Science, 1500-2000: Essays for Charles Webster*, Ashgate

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. 'Bell, book and candle: ritual magic and magical rituals in Early Modern England', *Renaissance Magic: Performance, Technology, Theater*, a two-day conference, Princeton University

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

Kusch, M. (2005) *Psychological Knowledge: A Social History and Philosophy*, Routledge (paperback edition)

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

Kusch, M. 'Fodor vs. Kripke: Semantic Dispositionalism, Idealisation and Ceteris Paribus Clauses', *Analysis* 65.2 (2005), 156-163

Kusch, M. 'How minds and selves are made: some conceptual preliminaries', *Social Interaction: Social Behaviour and Communication in Biological and Artificial Systems* 6.1 (2005), 21-34

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. 'Relativismi ja Skeptisismi', 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

Kusch, M. 'Testimony', UK Alexander von Humboldt Association, Cambridge

June 2005

Kusch, M. 'Relativismus und Skeptizismus', 'Relativismus in der Wissenschaftsforschung' and 'Skeptizismus in der Wissenschaftsforschung', *Leibniz Vorlesungen 2005*, Universität Hannover

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 Kusakawa

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

Kusakawa, S. (2004) 'Medical knowledge in Western Europe at 1500' in P. Elmer (ed.) *The Healing Arts: Health, Disease and Society in Europe 1500-1800*, Manchester University Press, 1-26

Kusakawa, S. (2004) 'Medical Renaissance: Vesalius and blood-letting' in P. Elmer (ed.) *The Healing Arts: Health, Disease and Society in Europe 1500-1800*, Manchester University Press, 58-83

Kusakawa, S. (2005) 'Melanchthon' in D. Bagchi (ed.) *The Cambridge Companion to Reformation Theology*, Cambridge University Press, 57-67

Preprints

Kusakawa, S. (2004) *From Counterfeit to Canon: Picturing the Human Body, Especially by Andreas Vesalius*, preprint 281 from the Max-Planck Institute for the History of Science

Reviews

Kusakawa, S. Review of T.A. Brady Jr, K.G. Brady, S. Karant-Nunn and J. Tracy, *The Work of Heiko A. Oberman: Papers from the Symposium on his Seventieth Birthday*, in *Journal of Ecclesiastical History* 56 (2005), 151-152

In Press

Books

Kusakawa, S. and Maclean, I. (eds) (2006) *Transmitting Knowledge: Words, Images and Instruments in Early Modern Europe*, Oxford University Press

Articles in books

Kusakawa, S. (2006) 'The uses of pictures in the formation of learned knowledge: the cases of Leonhard Fuchs and Andreas Vesalius' in S. Kusakawa and I. Maclean (eds) *Transmitting Knowledge: Words, Images and Instruments in Early Modern Europe*, Oxford University Press

Kusukawa, S. (2006) 'Uses of pictures in printed books: the case of Clusius' *Exoticorum libri decem*' in P. Hoftijzer and R. Visser (eds) *Clusius in a New Context*, Edita (the Royal Dutch Academy of Science)

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

Lewens, T. 'Distinguishing therapy and research: a functional approach', EURECA Conference, Paris

January 2005

Lewens, T. 'Les Fonctions Biologiques et La Sélection Naturelle', Institut d'Histoire et de Philosophie des Sciences et des Techniques, Paris

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

Lewens, T. 'Reply to Pieter Vermaas', Institut d'Histoire et de Philosophie des Sciences et des Techniques, Paris

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

Lipton, P. (2005) 'Waiting for Hume' in M. Frasca-Spada and P.J.E. Kail (eds) *Impressions of Hume*, Oxford University Press, 59-76

Lipton, P. (2004) 'Genetic and generic determinism: a new threat to free will?' in D. Rees and S. Rose (eds) *Perils and Prospects of the New Brain Science*, Cambridge University Press, 88-100

Lipton, P. (2004) 'What good is an explanation?' in J. Cornwell (ed.) *Explanations: Styles of Explanation in Science*, Oxford University Press, 1-22

Articles in journals

Lipton, P. 'The truth about science', *Philosophical Transactions of the Royal Society B* 360 (2005), 1259-1269

Lipton, P. 'Testing hypotheses: prediction and prejudice', *Science* 307 (14 January 2005), 219-221. Letters and Response, *Science* 308 (3 June 2005), 1409-1412

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. 'Causation and explanation' in H. Beebe, C. Hitchcock and P. Menzies (eds) *Oxford Handbook of Causation*, Oxford University Press
- 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

- Lipton, P. 'Information, speech acts, and the functions of informed consent', Conference on Informed Consent and Genetic Data, Cambridge

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', Namicon 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

Brunschwig, J. and Lloyd, G.E.R. (eds) (2005) *Il Sapere Greco*, Turin [Italian translation of *Le Savoir grec*]

Lloyd, G.E.R. (2005) *The Delusions of Invulnerability: Wisdom and Morality in Ancient Greece, China and Today*, Duckworth

Lloyd, G.E.R. (2004) *Zaoji xila kexue*, Shanghai [Chinese translation of *Early Greek Science*]

Articles in books

Lloyd, G.E.R. (2004) 'New issues in the history of ancient science' in P. Lang (ed.) *Re-Inventions: Essays on Hellenistic and Early Roman Science*, Kelowna, 9-27

Lloyd, G.E.R. (2004) 'Préface' in K. Chemla and G. Shuchun, *Les Neuf chapitres: le classique mathématique de la Chine ancienne et ses commentaries*, Paris, ix-xii

Articles in journals

Lloyd, G.E.R. 'Tropoi ereunas sten archaia ellenike kai sten kinesike episteme', *Nefsis* 13 (2004), 11-20

Lloyd, G.E.R. 'The potential of the comparative history of pre-modern science', *Science in Context* 18.1 (2005), 167-172

Reviews

Lloyd, G.E.R. Review of J. Laskaris, *The Art is Long*, in *Gnomon* 77 (2004), 73-74

Lloyd, G.E.R. Review of M. Nussbaum, *Hiding from Humanity*, in *Times Literary Supplement* 5301 (November 2004), 13

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'antichità I', University of San Marino

Lloyd, G.E.R. 'La censura nell'antichità 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

Lloyd, G.E.R. 'Aristotle, De Somno ch 1', Workshop on Aristotle's *Parva Naturalia*, Cambridge

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. 'Galen's un-Hippocratic case-histories', Galen conference, University of Exeter

Lloyd, G.E.R. 'How do manifolds change?', 22nd Congress of History of Science, Beijing, China

September 2005

Lloyd, G.E.R. 'Models for living in ancient Greece and China', Brown University

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

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

Macdonald, H. (2005) Selected poems in English and German, in H. Thill (ed.) *Wozu Vögel, Bücher, Jazz: Gedichte aus England*, Wunderhorn, Heidelberg, 117-139

In Press

Books

Macdonald, H. (2005) *Falcon*, Reaktion Books

Reviews

Macdonald, H. Review of Sir Thomas Sherley, *A Short Discourse of Hawking to the Field (1614)* and J.W.M. Van de Wall, *The Loo Falconry: The Royal Loo Hawking Club 1839-1855*, in *The Falconer* (2005)

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

Macdonald, H. 'Hawks and history: falconry in Northern Europe', IAF/UNESCO symposium 'Falconry, a World Heritage', Abu Dhabi

Saira Malik

Lectures and Conferences

January 2005

Malik, S. 'The rainbow in medieval Arabic science: the case of Kamal al-Din', British Society for the History of Science (BSHS), Cambridge

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

Mandelbrote, S. (2005) *Donors of Books to Peterhouse*, Rampant Lions Press

Pelling, M. and Mandelbrote, S. (eds) (2005) *The Practice of Reform in Health, Medicine and Science, 1500-2000: Essays for Charles Webster*, Ashgate

Articles in books

Mandelbrote, S. (2005) 'William Petty and Anne Greene: medical and political reform in Commonwealth Oxford' in M. Pelling and S. Mandelbrote (eds) *The Practice of Reform*, Ashgate, 125-149

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

Mandelbrote, S. (2005) 'The heterodox career of Nicolas Fatio de Duillier' in J.H. Brooke and I. Maclean (eds) *Heterodoxy in Early Modern Science and Religion*, Oxford University Press, 263-296

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

Mandelbrote, S. Review of K.J. Howell, *God's Two Books*, in *Journal of Theological Studies* NS 56 (2005), 260-266

Mandelbrote, S. Review of R. Crocker (ed.) *Religion, Reason and Nature in Early Modern Europe*, in *British Journal of the History of Science* 37 (2004), 470-471

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. 'L'étude de la Septante dans l'Europe moderne', Ecole Pratique des Hautes Etudes, Paris

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

Mandelbrote, S. 'Biblical Hermeneutics and the sciences, 1700-1850' and 'Commentary on Early Modern Biblical Hermeneutics and the Sciences', *Hermeneutics and the Sciences* conference, Redeemer College, Ancaster, Ontario

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

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

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. 'Teoria dei quanti' and 'Fisica delle particelle' in U. Eco (ed.) *Il Novecento, Encyclomedia*, Federico Motta Editore, Milano

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

Mayer, A. and Métraux, A. (eds) (2005) *Kunstmaschinen. Spielräume des Sehens zwischen Wissenschaft und Ästhetik*, Fischer

Articles in books

Mayer, A. (2004) 'Sigmund Freud' in A. Kuper and J. Kuper (ed.) *The Social Science Encyclopedia*, 3rd edition, Routledge, 391-393

Mayer, A. (2005) 'Exposure and excitement: a short physiology of scandal' in T. Natter and M. Hollein (eds) *The Naked Truth: Klimt, Schiele, Kokoschka and Other Scandals*, Prestel, 55-66

Mayer, A. and Métraux, A. (2005) 'Kunstmaschinen und Maschinenkunst. Einführende Bemerkungen' in A. Mayer and A. Métraux (eds) *Kunstmaschinen. Spielräume des Sehens zwischen Wissenschaft und Ästhetik*, Fischer, 7-23

Mayer, A. (2005) 'Autographien des Ganges. Repräsentation und Redressement bewegter Körper im neunzehnten Jahrhundert' in A. Mayer and A. Métraux (eds) *Kunstmaschinen. Spielräume des Sehens zwischen Wissenschaft und Ästhetik*, Fischer, 101-138

Articles in journals

Mayer, A. 'L'histoire collective de l'interprétation des rêves de Freud', *Esprit* 309 (2004), 108-129

Reviews

Mayer, A. 'Vom Werkzeugkasten zum Werk. Michel Foucaults Vorlesungen über die "psychiatrische Macht"', *Neue Rundschau* 115/4 (2004), 183-188

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', *Paragrana: Internationale Zeitschrift Historische Anthropologie*

Lectures and Conferences

October 2004

Mayer, A. 'Un "transfert" difficile: la réception de l'hypnotisme français dans la psychiatrie autrichienne (1875-1900)', Conference 'Que faire des fous? Les alternatives aux asiles 1800-1914', Centre Koyré, Paris, Ecole des Hautes Etudes en Sciences Sociales

Mayer, A. 'Les méthodes graphiques: controverses sur la représentation du corps en mouvement au XIXe siècle', Conference 'Marey et la Physiologie du mouvement', Collège de France, Paris

Mayer, A. 'Eléments pour une anthropologie historique du dispositif psychoanalytique', Conference 'Psychologie, psychiatrie, psychanalyse et médecine : jalons pour une histoire (XIXe-XXe siècle)', Maison française d'Oxford

November 2004

Mayer, A. 'Physiologies of walking in the 19th century', Centre for the History of Science and Technology, Imperial College London

Mayer, A. 'Faire marcher les images. Remarques sur les techniques d'illusion dans la physiologie du XIXe siècle', Conference 'Effets spéciaux', Maison française d'Oxford

December 2004

Mayer, A. 'Lost objects. A genealogy of the psychoanalytic setting', Conference 'Forgetting Freud? How to do the history of psychoanalysis today', Sigmund Freud Foundation, Vienna

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

Mayer, A. 'La "musique des pas". Notations du mouvement au XIXe siècle', Seminar 'Musique et Sciences Sociales', Paris, Ecole des Hautes Etudes en Sciences Sociales

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

Mayer, A. 'Représentation et redressement des corps animés au XIXe siècle', Seminar 'Traditions iconographiques et mémoire sociale', Paris, Ecole des Hautes Etudes en Sciences Sociales

May 2005

Mayer, A. 'Les avatars du pouvoir psychiatrique. Montée et déclin du test d'association en psychopathologie', Seminar 'La psychiatrie et la santé mentale aujourd'hui', Paris, Ecole des Hautes Etudes en Sciences Sociales

September 2005

Mayer, A. 'Techniques de croyance: psychologie, psychanalyse et religion (1900-1930)', Conference 'Sciences humaines et religions', Paris, Ecole des Hautes Etudes en Sciences Sociales

Anita McConnell

Publications

Articles in books

- McConnell, A. (2004) 'Franz Xaver von Zach in England' in L.G. Balázs, P. Brosche, H.W. Duerbeck and E. Zsoldos, *The European Scientist: Symposium on the Era and Work of Franz Xaver von Zach (1754-1832)*, Proceedings of the Symposium held in Budapest on 15-17 September 2004, *Acta Historica Astronomae* 24, Harri Deutsch, 34-44
- McConnell, A. (2005) 'James Pimm', 'John Simpson', 'William Edgar' and 'Thomas Avery' for May 2005 on-line update of *Oxford Dictionary of National Biography*

Articles in journals

- Ferrari, G. and McConnell, A. 'Robert Mallet and "The Great Neapolitan Earthquake" of 1857', *Notes and Records of the Royal Society* 59 (2005), 45-64
- McConnell, A. 'The origins of the marine barometer', *Annals of Science* 62 (2005), 83-101
- McConnell, A. 'Instrument makers in the Oxford Dictionary of National Biography', *Bulletin of the Scientific Instrument Society* 84 (2005), 3-8

Reviews

- McConnell, A. Review of A.J. Turner and J.-P. Poirier, *Antoine d'Abbadie*, in *Journal of the History of Collections* 17/1 (2005), 129

In Press

Articles in books

- McConnell, A. (2005) 'Like a ship passing in the night – a sighting of Kenneth McCulloch, compass maker' in *Koersvast. Vijf eeuwen navigatie op zee*, Uitgeverij Aprilis

Articles in journals

- McConnell, A. 'Surveying terrestrial magnetism in time and space', proceedings of the symposium 'A Century of Discovery', *Archives of Natural History* 32 (2005)

Lectures and Conferences

November 2004

- McConnell, A. 'Instrument makers in the Oxford Dictionary of National Biography', Annual Invitation Lecture, Scientific Instrument Society, London

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

- Mercier, R. (2004) *Studies on the Transmission of Medieval Mathematical Astronomy*, Ashgate

Articles in journals

- Mercier, R. 'Solstitial observations in thirteenth-century Beijing', *SCIAMVS* 4 (2003) 191-232

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

July 2005

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, Aligarh, 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

Moore, J. (2004) 'The fortunes of eugenics' in D. Brunton (ed.) *Medicine Transformed: Health, Disease and Society in Europe, 1800-1939*, Routledge, 266-297

Moore, J. and Desmond, A. (2004) 'Introduction' in J. Moore and A. Desmond (eds) *The Descent of Man and Selection in Relation to Sex* by Charles Darwin, Penguin Classics, xi-lxvi

Moore, J., Desmond, A. and Browne, J. (2004) 'Darwin, Charles Robert' in H.C.G. Matthew and B. Harrison (eds) *The Oxford Dictionary of National Biography*, vol. 15, Oxford University Press, 177-202

Web publications

Moore, J. (2005) 'Darwin – A “Devil’s Chaplain”?', www.humanism.org.uk/uploadedFiles/cms/Store//NEW_SECTION_379_379/article_DarwinDayLecture2005_files/ATTACHMENTS/DarwinDay05-article.pdf

In Press

Articles in books

Moore, J. (2006) 'R.A. Fisher: a faith fit for eugenics' in N.A. Rupke (ed.) *Eminent Lives in Twentieth-Century Biology and Religion*, Vandenhoeck and Ruprecht

Moore, J. (2006) 'Religion and science' in D.C. Lindberg and R.L. Numbers (eds) *The Cambridge History of Science*, vol. 6, P.J. Bowler and J.V. Pickstone (eds) *Modern Biological and Earth Sciences*, Cambridge University Press

Moore, J. (2005) 'Revolution of the space-invaders: Darwin and Wallace on the geography of life' in D.N. Livingstone and C.W.J. Withers (eds) *Geography and Revolution*, University of Chicago Press, 106-132

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

Third Annual Darwin Day Lecture and Discussion, Bonchek Institute for Science and Public Policy and the Program for Science, Technology and Society, Franklin and Marshall College, Lancaster, Pennsylvania

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)

Moore, J. 'Darwin – A “Devil’s Chaplain”?', BHA Darwin Day Lecture 2005, British Humanist Association
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

Navarro, J. 'New entities, old paradigms: elementary particles in the 1930s', *Llull* 27 (2004) 435-464

Reviews

Navarro, J. Review of A. Warwick, *Masters of Theory: Cambridge and the Rise of Mathematical Physics*, in *Cronos* 7 (2004), 188-191

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*

Navarro, J. 'J.J. Thomson on the nature of matter: corpuscles and the continuum', *Centaurus*

Lectures and Conferences

November 2004

Navarro, J. 'Les fronteres entre disciplines al Cambridge del segle XIX', VIII Trobades de la Societat Catalana d'Història de la Ciència i de la Tècnica. Mallorca

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

Cantor, G., Dawson, G., Noakes, R., Shuttleworth, S. and Topham, J. *The Science in the Nineteenth-Century Periodical (SciPer) Index*, Historical Research Institute Online, <http://www.sciper.org>

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

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

Articles in journals

Noakes, R. 'Science in the Nineteenth-Century Periodical: an electronic index', *Notes and Records of the Royal Society of London* (2005)

Noakes, R. 'Ethers, religion and politics in late-Victorian physics: beyond the Wynne Thesis', *History of Science*

Articles in books

Noakes, R. (2006) 'The "World of the Infinitely Little": connecting physical and psychical realities in Britain c.1900' in R. Brain and O. Sibum (eds) *New Paths of Physical Knowledge: Science and the Changing Sense of Reality c. 1900*, Chicago University Press

Lectures and Conferences

November 2004

Noakes, R. 'Inventing the "World of the Infinitely Little": physics and instruments of psychical research circa 1900', 'New Paths of Physical Knowledge: Science and the Changing Sense of Reality c. 1900', Max Planck Institute for the History of Science, Berlin

June 2005

Noakes, R. 'Physics and Victorian psychics', Society for Psychical Research Lecture, Kensington Central Library, London

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

- O'Neill, O. (2004) 'Accuracy, independence and trust' in W.G. Runciman (ed.) *Hutton and Butler: Lifting the Lid on the Workings of Power*, Oxford University Press, 89-109
- O'Neill, O. (2004) 'Self-legislation, autonomy and the form of law' in H. Nagl-Docekal and R. Langthaler (eds) *Recht, Geschichte, Religion: Die Bedeutung Kants für die Gegenwart*, Sonderband der *Deutschen Zeitschrift für Philosophie*, Akademie Verlag, 13-26
- O'Neill, O. (2004) 'Modern moral philosophy and the problem of relevant descriptions' in A. O'Hear (ed) *Modern Moral Philosophy*, Royal Institute of Philosophy, Supp. Vol. 54, Cambridge University Press, 301-316
- O'Neill, O. (2005) 'Gerechtigkeit, Vertrauen und Zurechenbarkeit' in O. Neumaier, C. Sedmak and M. Zichy (eds) *Gerechtigkeit: Auf der Suche nach einem Gleichgewicht*, Ontos Verlag, 33-55

Articles in journals

- O'Neill, O. 'Accountability, trust and informed consent in medical practice and research', *Clinical Medicine* 4 (2004), 269-276
- O'Neill, O. 'The dark side of human rights', *International Affairs* 81 (2005), 427-439

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

Burkhardt, F., et al. (eds) (2004) *The Correspondence of Charles Darwin*, Volume 14: 1866, Cambridge University Press

Articles in books

Pearn, A.M. (2004) 'James Backhouse', 'Richard Kippist' and 'Thomas Rivers' in B. Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press

Articles in journals

Porter, D.M. and Pearn, A.M. 'Editing textual and extra-textual materials in Charles Darwin's correspondence', *Documentary Editing* 26 (2004), 135-144

In Press

Books

Burkhardt, F., et al. (eds) (2005) *The Correspondence of Charles Darwin*, Volume 15: 1867, Cambridge University Press

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

Pearn, A.M. 'The impact of digital resources on research – new questions and opportunities. The correspondence of Charles Darwin: a case study', Humanities Beyond Digitisation conference, Institute of Historical Research, London

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 NAWA workshop on 'Science Writing in the Classroom', with a view to incorporating Science Communication in new programmes at Anglia.

Publications

Reviews

Price, K. Review of H. Henry, *Virginia Woolf and the Discourse of Science*, in *Women: A Cultural Review*, March 2005

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

Redhead, M. 'Asymptotic reasoning', *Studies in History and Philosophy of Modern Physics* 35 (2004), 527-530

In Press

Books

Redhead, M. and Debs, T., *Objectivity, Invariance and Convention: A New Appraisal of Symmetry in Physical Sciences*, Harvard University Press

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

Reeves, N. 'Investigating an astronomer's library: Nevil Maskelyne and the geography of information exchange 1765-1811', National Maritime Museum Lunchtime Seminar, National Maritime Museum, Greenwich

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. 'Isaac Frost's *Two Systems of Astronomy* (1846): plebeian resistance and scriptural astronomy', *The British Journal for the History of Science* 38 (2005), 161-177

Reid, F.L. "'The democratic politician does not trouble himself with science": class and professionalisation in the New Zealand Institute, 1867-1903', *Tuhinga* 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

Rider, C. (2005) 'Between theology and popular practice: medieval canonists on magic and impotence' in A. Musson (ed.) *Boundaries of the Law: Geography, Gender and Jurisdiction in Medieval and Early Modern Europe*, Ashgate

In Press

Books

Rider, C. (2006) *Magic and Impotence in the Middle Ages*, Oxford University Press

Articles in books

Rider, C. (2005 or 2006) 'Elite and popular superstitions in the exempla of Stephen of Bourbon' in K. Cooper and J. Gregory (eds) *Studies in Church History 42: Elite and Popular Religion*, Ecclesiastical History Society

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

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

Articles in books

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

Robson, E. (2005) 149 out of 381 scale drawings of cuneiform tablets in S.M. Dalley (ed.) *Old Babylonian Texts in the Ashmolean Museum, Mainly from Larsa, Sippar, Kish, and Lagaba* (Oxford Editions of Cuneiform Texts, 15), Clarendon Press

Articles in journals

Robson, E. ‘Mathematical cuneiform tablets in the Ashmolean Museum, Oxford’, *SCIAMVS – Sources and Commentaries in Exact Sciences* 5 (2004), 3-65

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

Reviews

Robson, E. Review of J. Høyrup and P. Damerow (eds) *Changing Views on Ancient Near Eastern Mathematics*, in *Archiv für Orientforschung* 50 (2003-04), 356-362

Robson, E. Review of F. Rochberg, *The Heavenly Writing: Divination, Horoscopy, and Astronomy in Mesopotamian Culture*, in *Bryn Mawr Classical Review* (2005), <http://ccat.sas.upenn.edu/bmcr/2005/2005-06-29.html>

Robson, E. Review of R. Mercier, *Studies on the Transmission of Medieval Mathematical Astronomy*, in *BSHM Bulletin* 5 (Summer 2005), 41-42

Robson, E. ‘A handful of dust from Babylon’, review of M. Polk and A.H. Schuster (eds) *The Looting of the Iraq Museum, Baghdad: The Lost Legacy of Ancient Mesopotamia*, in *Times Higher Education Supplement*, 19 August 2005

In Press

Books

Robson, E. and Treadwell, W.L. (eds) (2005) *Who Owns Objects? The Ethics and Politics of Collecting Archaeological Artefacts*, Oxbow Books

Articles in books

Treadwell, W.L. and Robson, E. (2005) ‘Introduction’ in E. Robson and W.L. Treadwell (eds) *Who Owns Objects? The Ethics and Politics of Collecting Archaeological Artefacts*, Oxbow Books

Isma’el, K.S. and Robson, E. (2006) ‘Arithmetical tablets from Iraqi excavations in the Diyala’ in H.D. Baker, E. Robson and G.G. Zólyomi (eds) *Your Praise is Sweet: A Memorial Volume for Jeremy Black from Students, Colleagues and Friends*, Griffith Institute Press

Ohgama, N. and Robson, E. (2006) ‘Scribal schooling in Old Babylonian Kish’ in H.D. Baker, E. Robson and G.G. Zólyomi (eds) *Your Praise is Sweet: a Memorial Volume for Jeremy Black from Students, Colleagues and Friends*, Griffith Institute Press

Robson, E. (2006) ‘Mesopotamian mathematics’ in V.J. Katz (ed.) *A Sourcebook of Non-Western Mathematics*, Princeton University Press

- Robson, E. (2006) 'Family secrets: astronomy and priesthood in Hellenistic Uruk' in C.M. Jacob (ed.) *Les Lieux de Savoir, I: Lieux et Communautés*, Albin Michel [to be translated into French]
- Robson, E. (2006) 'Mathematics, metrology, and literate numeracy' in G. Leick (ed.) *The Babylonian World*, Routledge
- Robson, E. (2006) 'The clay tablet in Sumer, Babylonia, and Assyria' in S. Eliot and J. Rose (eds) *Blackwell Companion to the History of the Book*, Blackwell
- Robson, E. (2006) 'The long life of a favourite figure: the apsamikku in Neo-Babylonian mathematics and beyond' in M. Ross (ed.) *Festschrift for Alice Slotsky on her 70th Birthday*, Eisenbrauns
- Robson, E. (2006) 'Literacy, numeracy, and the state in early Mesopotamia' in K. Lomas (ed.) *Literacy and State Development: Comparative Perspectives*, UCL Press

Articles in journals

- Lion, B. and Robson, E. 'Quelques textes scolaires paléo-babyloniens rédigés par des femmes', *Journal of Cuneiform Studies* 56 (2005)
- Robson, E. 'A new manuscript of Ninmeshara (ETCSL 4.07.2), lines 109-139', *Orientalia* 74 (2005)
- Robson, E. 'Four Old Babylonian school tablets in the collection of the Catholic University of America', *Orientalia* 74 (2005)

Reviews

- Robson, E. Review of C. Rossi, *Mathematics and Architecture in Ancient Egypt*, in *Isis* 96 (2005)
- Robson, E. Review of R. Netz, *From Problems to Equations: A Study in the Transformation of Early Mediterranean Mathematics*, in *Notices of the American Mathematical Society* 52 (2005)
- Robson, E. Review of J.-J. Glassner, *The Invention of Cuneiform: Writing in Sumer*, in *American Journal of Archaeology* 110 (2006)

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

- Robson, E. 'Overcoming archaeology's political frontiers', Graduate Archaeology Oxford annual conference, Ashmolean Museum, Oxford

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

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

In Press

Books

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

Articles in journals

Rudwick, M. 'Picturing Nature in the age of Enlightenment', *Proceedings of the American Philosophical Society* (2005)

Lectures and Conferences

October 2004

Rudwick, M. 'Geologists and fossilists: trust and mistrust in fossil specimens in geology's heroic age', History of Geology Group, The Geological Society, London

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

Russell, C.A. (2004) *Correntes Cruzadas*, Portuguese translation of *Cross-Currents: Interactions Between Science and Faith* (1st edition, Inter-Varsity Press, Leicester, 1985), Hagnos, Sao Paulo, Brazil

Russell, C. A. (2004) *الفيزياء والإيمان مايكل فارادي*, authorised Arabic translation of *Michael Faraday: Physics and Faith* (Oxford University Press, New York, 2000), Obeikan Publishers, Riyadh, Saudi Arabia, 1425 [= 2004]

Articles in books

Russell, C.A. (2004) Untitled chapter in M. Golshani (ed.) *Can Science Dispense with Religion?*, Institute for Humanities and Cultural Studies, Tehran, 327-333

Russell, C.A. (2005) 'Richard Watson: gaiters and gunpowder' in M. Archer and C. Haley (eds) *The 1702 Chair of Chemistry at Cambridge*, Cambridge University Press, 57-112

Russell, C.A. (2005) 'Has science anything to do with human values?' in D.A. Alexander (ed.) *Can we be sure about anything?*, IVP, Leicester, 129-142

Articles in journals

Russell, C.A. 'Advances in organic chemistry over the last 100 years', *Ann. Rep. Prog. Chem. (Section B)* 100 (2004), 3-31 [pub. 2005]

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

Russell, C.A. 'Furnaces for philosophers' [J. Glauber], *Chemistry World* 1 (9) (2004) 46-49

Russell, C.A. 'Nobel prizes and noble gases' [W. Ramsay], *Chemistry World* 1 (11) (2004), 50-55

Reviews

Russell, C.A. Review of C. Webster, *The Great Instauration: Science, Medicine and Reform 1626-1660*, second edition, in *Science & Christian Belief* 16 (2004), 191

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

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

Articles in journals

Russell, C.A. 'The first President' [Thomas Graham], *Chemistry World* (2005) [due September 2005]

Reviews

Russell, C.A. Review of A. Fyfe, *Science and Salvation: Evangelical Popular Science Publishing in Victorian Britain*, 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

Russell, C.A. 'Copernicus and the Bible: lessons for today?', Northern Conference of Christians in Science, Leeds

April 2005

Russell, C.A. 'History in chemical education: subversive or supportive?', Annual Conference of the Education Division, Royal Society of Chemistry, Brighton

Russell, C.A. 'Hydrotheology: its rise and transformation', at international conference on 'Water of life: counterfactual chemistry and fine-tuning in biochemistry', Varenna, Lake Como, Italy

Christine F. Salazar

Publications

Books

Salazar, C.F. (managing editor) (2004) *Brill's New Pauly*, vol V (Equ-Has), Brill, Leiden

Salazar, C.F. (managing editor) (2005) *Brill's New Pauly*, vol VI (Hat-Jus), Brill, Leiden

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

Schaffer, S. and Stewart, L. (2005) 'Vigani and after: chemical enterprise in Cambridge 1680-1780' in M. Archer and C. Haley (eds) *The 1702 Chair of Chemistry at Cambridge: Transformation and Change*, Cambridge University Press, 31-56

In Press

Articles in journals

Schaffer, S. (2005) 'L'inventaire de l'astronome: le commerce des instruments au 18e siècle (Grand-Bretagne-Chine-Pacifique)', *Annales Histoire Sciences Sociales*

Lectures and Conferences

December 2004

Schaffer, S. 'Metropolitan marvels', gallery talk for 'Eyes, Lies and Illusions', Hayward Gallery, London

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. 'Relocating Newton', conference on Regimes of Knowledge in the Early Modern Period, Maison Française, Oxford

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

Secord, A. 'Elizabeth Gaskell and the Artisan Naturalists of Manchester', *The Gaskell Society Journal* 19 (2005), 34-51

In Press

Books

Secord, A. (2006) *Artisan Naturalists*, University of Chicago Press

Articles in books

Secord, A. (2006) 'Hotbeds and Cool Fruits: the unnatural cultivation of the eighteenth-century cucumber' in R. Bivans and J. Pickstone (eds) *De Omni Scribili: Essays in Memory of Roy Porter*, University of Chicago Press

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

Secord, J. 'Science in the *Sun*, life on the moon: scientific discovery and the Antebellum Press', American Antiquarian Society, Worcester, Massachusetts

June 2005

Secord, J. 'Paper comets: prophecy, science and the end of the world in the nineteenth-century press', Max Planck Institute for History of Science, Berlin

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

Rookmaaker, L.C., Mundy, P.J., Spary, E.C. and Glenn, I.E. (2004) *François Levaillant and the Birds of Africa*, The Brenthurst Press, Johannesburg

Articles in books

Spary, E.C. (2004) 'Of nutmegs and botanists: the colonial cultivation of botanical identity' in L. Schiebinger and C. Swan (eds) *Colonial Botany: Science, Commerce, and Politics in the Early Modern World*, University of Pennsylvania Press, 187-203

Reviews

Spary, E.C. Review of C.C. Gillispie, *Science and Polity in France: The Revolutionary and Napoleonic Years*, in *H-France Review* 5 (23) (2005)

Spary, E.C. 'Ways with food', essay review of H. Diner, *Hungering for America: Italian, Irish, and Jewish Foodways in the Age of Migration*; M. Jacobs and P. Scholliers (eds) *Eating Out in Europe: Picnics, Gourmet Dining and Snacks since the Late Eighteenth Century*; A.F. Smith, *Peanuts: The Illustrious History of the Goober Pea*; and R.L. Spang, *The Invention of the Restaurant: Paris and Modern Gastronomic Culture*, in *Journal of Contemporary History* 40 (2005), 763-771

In Press

Books

Spary, E.C. (2005) *Le Jardin de l'Utopie: l'histoire naturelle en France entre Ancien Régime et Révolution*, Editions du Muséum National d'Histoire Naturelle, Paris [revised translation of *Utopia's Garden: French Natural History from Old Regime to Revolution*, Chicago, 2000]

Articles in books

Spary, E.C. (2006) 'Pierre Pomet's Parisian cabinet: revisiting the visible and the invisible in early modern collections' in M. Beretta (ed.) *From Collections to Museums*, Science History Publications, Canton, Mass., 59-80

Spary, E.C. (2006) 'Botanical networks reconsidered' in R. Dauser, S. Hächler, M. Kempe, F. Maelshagen and M. Stuber (eds) *Wissen im Netz: Botanik und Pflanzentransfer in europäischen Korrespondenznetzen des 18. Jahrhunderts*, Akademie-Verlag, Berlin

Lectures and Conferences

December 2004

Spary, E.C. 'Distilling learning: liqueurs and the luxury marketplace in eighteenth-century Paris', Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

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

Spary, E.C. 'From regimen to rule: economic eating after 1760', Maison Française d'Oxford, Oxford

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

Sprevak, M.D. 'The Chinese carnival', review of J.M. Preston and M. Bishop (eds) *Views into the Chinese Room*, in *Studies in History and Philosophy of Science* 36 (2005), 203-209

In Press

Articles in journals

Sprevak, M.D. 'The frame problem and the CTM', *Proceedings of the International Conference for the Society of Philosophy and Computing (E-CAP2004)*, 2004

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

Stott, R. (2004) *Oyster*, Reaktion Press

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 G.L. Irby-Massie and P.T. Keyser, *Greek Science of the Hellenistic Era: A Sourcebook*, in *Classical World* 98 (2005), 350-351

Taub, L. Review of R. Talbert and K. Brodersen (eds) *Space in the Roman World: Its Perception and Presentation*, in *Imago Mundi* 57 (2005), 198-199

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

In Press

Books

Taub, L. and Willmoth, F. (eds) (2006) *Case Studies at the Whipple Museum of the History of Science: Instruments and Interpretations*, Cambridge University Press, with the Whipple Museum

Articles in books

Taub, L. (2006) 'Presenting a "life" as a guide to living: ancient accounts of the life of Pythagoras' in T. Söderqvist (ed.) *The Poetics of Biography in Science, Technology and Medicine*, Ashgate

Taub, L. (2006) 'Are orreries Newtonian? A consideration of the material, textual and pictorial evidence' in L. Taub and F. Willmoth (eds) *Case Studies at the Whipple Museum of the History of Science: Instruments and Interpretations*, Cambridge University Press, with the Whipple Museum

Taub, L. (2006) “‘A valuable teaching instrument and a cultural accessory to modern research’: the Whipple Museum of the History of Science”, in A. Semedo and A. Coelho (eds) *Science Collections in University Museums: Which Missions and Intervention Strategies?*, Secção de Museologia do Departamento de Ciências e Técnicas do Património da FLUP

Reviews

Taub, L. Review of A.C. Bowen and R.B. Todd, *Cleomedes' Lectures on Astronomy: A Translation of The Heavens With an Introduction and Commentary*, in *Phoenix* (Journal of the Classical Association of Canada) (2006)

Taub, L. Review of A. Barker, *Scientific Method in Ptolemy's 'Harmonics'*, in *British Journal for the Philosophy of Science* (2006)

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

Timmermann, A. (2004) ‘Alchemy: an annotated bibliography’, *Marginalia* (website) www.marginalia.co.uk

Timmermann, A. (2005) ‘Marginalia – a central source for graduate medieval studies’, *Gates Scholar Newsletter* www.gatesscholar.org

Timmermann, A. (2005) ‘MS. Mellon 43: An alchemical poem identified’, *Marginalia* (journal) www.marginalia.co.uk/journal

In Press

Articles in journals

Timmermann, A. (2006) ‘Corrigenda to Gareth W. Dunleavy’s article on “The Chaucer Ascription in TCD MS D.28”, *Ambix* 13 (1965)’ in *Ambix*

Timmermann, A. (2006) ‘Yeats and the Tarot’, *Societas Magica Newsletter*

Article in book

Timmermann, A. (2006) ‘A sixteenth-century manuscript and the hidden legacy of its readership: Trinity College Cambridge MS. R.14.56’ in *Wissensaustausch in der Medizin des 15.-18. Jahrhunderts*, series ‘Wiener Gespräche zur Sozialgeschichte der Medizin’, Vienna

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*

Timmermann, A. Review of G.S. Williams and C.D. Gunnoe Jr. (eds) *Paracelsian Moments: Science, Medicine, & Astrology in Early Modern Europe*, in *Ambix*

Timmermann, A. Review of J. Telle, *Buchsignete und Alchemie im XVI. und XVII. Jahrhundert: Studien zur frühneuzeitlichen Sinnbildkunst*, 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 gentile 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

van Wyhe, J. (2004) *Combe’s Constitution of Man, and Nineteenth-Century Responses*, Thoemmes Press, 3 vols

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

van Wyhe, J. ‘Being of my opinion about humans [review of] Moore, *Being Me: What It Means to be Human*’, *Endeavour* 28 (2004), 141-142

van Wyhe, J. Review of Finger, *Origins of Neuroscience: A History of Explorations into Brain Function*, in *British Journal for the History of Science* 38 (2005), 222-223

In Press

Articles in books

van Wyhe, J. 'The diffusion of phrenology via public lectures', in A. Fyfe and B. Lightman (eds) *Science in the Marketplace: Nineteenth-Century Sites and Experiences*, University of Chicago Press

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. Review of M. Hagner, *Geniale Gehirn: Zur Geschichte der Elitegehirnforschung*, in *Isis*

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

van Wyhe, J. Review of Tomlinson, *Headmasters: Phrenology, Secular Education and Nineteenth-Century Social Thought*, in *Journal of the History of the Behavioural Science*

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

van Wyhe, J. 'Darwin's finches: the evolution of a legend in the history of science', BSHS Annual Conference, Leeds

Paul White

Publications

Books

White, P. et al. (eds) (2004) *The Correspondence of Charles Darwin*, vol. 14, Cambridge University Press

Articles in books

White, P. (2005) 'The experimental animal in Victorian Britain' in L. Daston and G. Mitman (eds) *Thinking with Animals: Anthropomorphism in Historical and Contemporary Perspective*, Columbia University Press

Articles in journals

White, P. 'Ministers of culture: Arnold, Huxley, and the Liberal Anglican reform of learning', *History of Science* 43 (2005), 115-138

In Press

Books

White, P. et al. (eds) (2005) *The Correspondence of Charles Darwin*, vol. 15, Cambridge University Press

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. 'Acquired character: the hereditary material of the self-made man' in H.-J. Rheinberger and S. Müller-Wille (eds) *A Cultural History of Heredity, vol. 1: Heredity Produced (1600 to 1850)*, MIT Press

White, P. 'Correspondence as a medium of reception' in E.-M. Engles and T. Glick (eds) *The Reception of Charles Darwin in Europe*, Continuum, London

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

White, P. 'Fallen fruit: bounty, providence, and the lure of paradise', Plants and Insects in the Early Modern World, USC-Huntington Early Modern Studies Institute

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)

Wilding, N. 'The war of writing: Gianfrancesco Sagredo and seventeenth-century natural philosophy', University of Warwick in Venice, 37th Annual Symposium, Fondazione Querini Stampalia, Venice

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, CRASSH, 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

Wilding, N. 'Pseudonymity in seventeenth-century natural philosophy', EMPHASIS, London

July 2005

Wilding, N. 'Angelic instruments', Perfect Tongues: Language-Planning in the Seventeenth Century, CRASSH, Cambridge

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

Willmoth, F. 'A ghost from 1705 – preserved in John Flamsteed's papers', *The Bulletin of the Friends of Cambridge University Library* (summer 2005)

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

Zahar, E.G. (2004) 'Atomisme et réalisme structural' in S. Laugier and P. Wagner (eds) *Philosophie des sciences: Naturalismes et réalismes*, Vrin, Paris, 373-414

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 Française, 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 knowledges 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.

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 Autònoma 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 unaccurate': 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 Wilmot (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 iguanodon, 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

- Frierson, P. (2003): *Freedom and Anthropology in Kant's Moral Philosophy* (Cambridge: Cambridge University Press) [especially chapters 2 and 3].
Jacobs, B. and Kain, P. (eds) (2004): *Essays on Kant's Anthropology* (Cambridge: Cambridge University Press).
Louden, R. (2000): *Kant's Impure Ethics* (Oxford: Oxford University Press) [especially chapter 3 which is specifically dedicated to Kant's Anthropology].
Schleiermacher, F. (1998): 'Review of Kant's *Anthropology*', translation Jacqueline Mariña, in *Schleiermacher on Workings of the Knowing Mind*, ed. by Ruth Drucilla Richardson (Lewiston, Queenston, Lampeter: The Edwin Mellen Press).
Van de Pitte, F. (1971): *Kant as a Philosophical Anthropologist* (The Hague: Nijhoff).
Zammito, J. (2002): *Kant, Herder, and the Birth of Anthropology* (Chicago: Chicago University Press).

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

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.

- 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 Thurschwell (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 Crémière (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

- 26 January Henry Baker, *Universe: a poem intended to restrain the pride of man* (1834). Introduced by Melanie Keene. Copies on sale in the Whipple Library.
- 9 February Erasmus Darwin, *Temple of Nature* (1803). In *Cosmologia: A Sequence of Epic Poems in Three Parts* (Stuart Harris, ISBN 0954215109, £8).
- 23 February Robert Browning, *Paracelsus* (1835). Available in library editions of Browning's poetical works.
- 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 Beebe, '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)
25 January	[2] §§65-88: the attack on the Tractatus's and Frege's ideal of determinacy of sense [3] §§89-133: the nature of philosophy, and logic's quest for an ideal language
1 February	[4] §§134-42: the general propositional form and the nature of truth
8 February	[5] §§143-84: linguistic understanding and the concept of reading
15 February	[6] §§185-242: rule-following and the framework of language
22 February	[7] §§243-315: the private-language argument
1 March	[8] §§316-62: thought and thinking
8 March	[9] §§363-97: imagination and mental images [10] §§398-411: the first-person pronoun 'I' and the nature of the self [11] §§412-27: consciousness
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'
- 27 January Discussion of a chapter by Philip Brey, 'Theorizing modernity and technology', in Thomas J. Misa, Philip Brey and Andrew Feenberg (eds.), *Modernity and Technology* (Cambridge, MA and London: MIT Press, 2003), pp.33-71.
(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'
- 10 February Discussion of a chapter by Richard Tutton, Anne Kerr and Sarah Cunningham-Burley, 'Myriad stories: Constructing expertise and citizenship in discussions of the new genetics', and a chapter by Shiv Vishvanathan, 'Knowledge, justice and democracy', in Melissa Leach, Ian Scoones and Brian Wynne (eds.), *Science and Citizens: Globalization and the Challenge of Engagement* (London: Zed Books, 2005) (A copy of these chapters will be on reserve in the Whipple)
- 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'
- 10 March Discussion of Eric Steven Raymond, 'Homesteading the Noosphere', published in Raymond, *The Cathedral and the Bazaar* (O'Reilly, 2001), but available at:
<http://www.catb.org/~esr/writings/cathedral-bazaar/homesteading/>

Modal Logic Reading Group

The Modal Logic Reading Group meets on Mondays at 3pm in the HPS 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.

- 25 January *Anthropology*, Book 3, pp. 151-173 (Presentation: Alix Cohen)
- 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.

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

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

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.

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| 3 May | Katharine Park (Harvard University)
The mother’s part: opening the uterus in Renaissance Italy |
| 10 May | Martin Richards (SPS, Cambridge)
Perfecting 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.

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| 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 |
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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.

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| 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 *Eozoon 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 Bernard le Bovier de Fontenelle, *Conversations on the Plurality of Worlds* (1686). Extract available at: www.wwnorton.com/nael/18century/topic_3/discovery.htm
- 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 (EHES, 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.

- 2 May Hughes & Cresswell, ch 4 ‘Testing for Validity’
- 9 May Hughes & Cresswell, ch 13 ‘The Lower Predicate Calculus’
- 16 May Orenstein, A. (2002) ‘Intensional Contexts’, *W. V. Quine* (Chesham: Acumen), pp. 149-171
- 23 May Melia, J. (1992) ‘Against Modalism’, *Philosophical Studies* 68, pp. 35-56; see also Melia, J. (2003) *Modality* (Chesham: Acumen), pp. 81-98
- 30 May Hughes & Cresswell, ch 5 ‘Conjunctive Normal Form’
- 6 June Hughes & Cresswell, ch 6 ‘Completeness’
- 13 June Prior, A. N. (1969) ‘Recent Advances in Tense Logic’, *Monist* 53, pp. 325-39; reprinted in Prior, A. N. (2003) *Papers on Time and Tense* (Oxford: Oxford University Press), pp. 103-116
- 20 June Boolos, G. (1998) ‘Gödel’s Second Incompleteness Theorem Explained in Words of One Syllable’ *Logic, Logic and Logic* (Harvard: Harvard University Press), pp. 411-413; see also ‘Afterword: Fundamental Theorems of Provability Logic’, pp. 414-419

Reading Kant

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

- 3 May First Introduction to the Critique of Judgment, §§ 1-4. Presentation: Angela Breitenbach
- 10 May First Introduction to the Critique of Judgment, §§ 5-8. Presentation: Alix Cohen
- 17 May First Introduction to the Critique of Judgment, §§ 9-12. Presentation: Yoon Choi
- 24 May Analytic of the Aesthetic Power of Judgment, First Book: Analytic of the Beautiful, §§ 1-9. Presentation: Axel Gelfert
- 31 May Analytic of the Aesthetic Power of Judgment, First Book: Analytic of the Beautiful, §§ 10-22. Presentation: Steve John
- 21 June Analytic of the Aesthetic Power of Judgment, Second Book: Analytic of the Sublime, §§ 23-27. Presentation: Nick Jardine
- 28 June Analytic of the Aesthetic Power of Judgment, Second Book: Analytic of the Sublime, §§ 28-29. Presentation: Sasha Mudd

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.