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*Department of History and Philosophy of Science, University of Cambridge*  
*Free School Lane, Cambridge CB2 3RH*  
*Telephone: 01223 334500 Fax: 01223 334554 [www.hps.cam.ac.uk](http://www.hps.cam.ac.uk)*

# The Department

## Introduction

Welcome to another Annual Report. With many comings and goings, people on leave, new research grants, and maximum student numbers (again), it was another action-packed year in HPS.

During the early part of 2003, the Department concentrated on preparing for a General Board Standard Review, which is part of the University's Quality Assurance measures. The Review Committee visited the Department on 8 May 2003 and met a cross-section of the Department. The overall impression gained was of 'a cohesive community working in a creative and imaginative way to take the subject area forward. [The Committee] recognised that the Department had made a considerable impact on the development of the discipline of history and philosophy of science at an international level by fostering the research interests of its staff and allowing them to be reflected in a dynamic and open form of teaching.' We are proud to say that our submission documents have been retained and will be used as 'a model of good practice' by other departments and faculties. We are very grateful to everyone who took part in the review, even though the graduate students came across as being so deliriously happy that they made the Review Committee a bit suspicious!

One of the most exciting things to happen in 2003 was that we were given permission from the University to take over the use of the Porter's Lodge on the corner of Free School Lane, when it fell vacant. This will provide the Department with four offices, a small teaching room, a kitchen, a bathroom and a walled courtyard garden. We were absolutely thrilled with this result, as it will solve our immediate space needs. However, we are still in negotiations with the City Council Planning Office over the conditions of use for the space and, unfortunately, it is unlikely that we will be able to take up occupancy before the early part of 2004.

The year 2003 was the 50th anniversary of the proposal, by James Watson and Francis Crick, of the double helical structure of DNA and one of the many events marking the occasion, and attracting a lot of media interest, was an exhibition in the Whipple Museum, 'Representations of the Double Helix', curated by Soraya de Chadarevian and Harmke Kamminga. The exhibition follows the image of the double helix from its first appearances in scientific papers to its uses today as a cultural icon, and is on display until the end of the year.

We would like to take this opportunity to thank Nancy Buchdahl for the gift of a large collection of important books from the library of the late Gerd Buchdahl, together with manuscript materials relating to his work on Kantian topics. The cataloguing of this material has been completed, and the manuscripts and annotated volumes are kept together as a special collection and listed on the Whipple Library's website and in *Studies in History and Philosophy of Science* 34A (2003), a special issue in memory of Gerd Buchdahl.

A final thank you goes to everyone who has contributed to this Annual Report, and hence to the lively atmosphere of the Department!

# Staff and affiliates

## **Administrative Staff**

Ms Tamara Hug  
Mr Steven Kruse  
Mr David Thompson

## **Computing Staff**

Mr Mark Rogers

## **Library Staff**

Mrs Sonia Hollins  
Ms Dawn Moutrey  
Dr Jill Whitelock

## **Museum Staff**

Ms Corrina Bower  
Mrs Monica Elsey  
Mrs Elizabeth Hart  
Mr Boris Jardine  
Ms Lisa Newble

## **Teaching Officers**

Prof John Forrester  
Dr Sarah Hodges  
Dr Nick Hopwood  
Prof Nick Jardine  
Dr Lauren Kassell  
Dr Martin Kusch  
Dr Tim Lewens  
Prof Peter Lipton  
Dr John McMillan  
Dr Simon Schaffer  
Dr Jim Secord  
Dr Liba Taub

## **Affiliated Lecturers**

Dr Soraya de Chadarevian  
Dr Patricia Fara  
Dr Marina Frasca-Spada  
Dr Richard Jennings  
Dr Sachiko Kusakawa  
Dr Ilina Singh

Dr Deborah Thom  
Dr Frances Willmoth

## **Research Fellows**

Dr Helen Blackman  
Dr Andrew Cunningham  
Dr Cathy Gere  
Dr Harmke Kamminga  
Dr Neil Manson  
Dr Richard Noakes  
Dr Jutta Schickore  
Dr Nick Wilding  
Dr Sarah Wilmot

## **College Fellows**

Dr Jim Endersby  
Dr Anandi Hattiangadi  
Dr Annette Imhausen  
Dr Mary Leng  
Dr Sanjoy Mahajan  
Dr Adam Mosley  
Dr Michela Massimi  
Dr Sophie Page  
Dr Richard Serjeantson  
Dr Sujit Sivasundaram  
Dr Karin Tybjerg

## **Affiliated Scholars**

Dr Jan Abram  
Dr Robert Anderson  
Dr Debby Banham  
Dr Andrew Barry  
Dr Robert Bud  
Prof Andrew Bowie  
Dr Michael Bravo  
Dr Nader El-Bizri  
Dr Janet Browne  
Dr Jeremy Butterfield  
Dr David Chart  
Dr Harry Collins  
Dr Serafina Cuomo

Dr Silvia De Renzi  
Dr Nick Dew  
Dr David Dewhirst  
Dr Thomas Dixon  
Dr Matthew Donald  
Dr Aileen Fyfe  
Dr Faye Getz  
Dr Jeremy Gray  
Dr Ole Grell  
Prof Mary Hesse  
Dr Dominick Jenkins  
Mr Peter Jones  
Prof Geoffrey Lloyd  
Mr Scott Mandelbrote  
Dr Joan Mason  
Prof Stephen Mason  
Dr James Moore  
Dr Onora O'Neill  
Prof Dorothy Porter  
Dr Lisbet Rausing  
Prof Michael Redhead  
Dr Katinka Ridderbos  
Prof Martin Rudwick  
Prof Colin A. Russell  
Dr Christine Salazar  
Dr Max Satchell  
Dr Anne Secord  
Dr Richard Smith  
Dr Emma Spary  
Prof Paul Teller  
Dr Jon Topham  
Dr John van Wyhe  
Dr Andrew Wear  
Dr Paul White  
Dr Eli Zahar

## **Supervisors**

Ms Gill Hudson  
Dr Chris Lewis  
Dr Sarah Pennell  
Mr Nick Tosh

# Visitors and students

## **Visiting Scholars**

Dr John Burnham  
Dr Laura Chazaro  
Dr Silvia Manzo  
Dr Jaume Navarro  
Prof Edmund Russell  
Dr Bert Nederbragt  
Prof Margaret Schabas

## **Visiting Students**

Ms Sharrona Pearl  
Ms Christina Rampelt

## **PhD students**

Katherine Angel  
Lorenzo Bernasconi  
Michael Bresalier  
Tatjana Buklijas  
Victoria Carroll  
Emir Chen  
Ben Cockayne  
Katrina Dean  
Tamas Demeter  
Kemal De Soysa  
Jenny Downes  
Katie Eagleton  
Gregory Fried  
Susan Gamble  
Axel Gelfert  
William Grundy  
Ben Irvine  
Stephen John  
Jeff Kochan  
John Latsis  
Christina McLeish  
Michael Michael  
Helen Macdonald  
Anna Mayer  
Ayesha Nathoo

Arash Pessian  
Meredith Price  
Sadiyah Qureshi  
Robert Ralley  
Jason Rampelt  
Torben Rees  
Ayako Sakurai  
Mark Sprevak

## **MPhil students**

Charlie Anson  
Adam Braddock  
Angela Breitenbach  
Stefan Brenner  
Edwina Casebow  
Nate Foster  
Paul Kalanithi  
Natalie Kaoukji  
Amir Karbasi  
Constantina  
Kapetanyannis  
Vera Keller  
Sarah Palestrant  
Francis Reid  
Anthony Rodriguez  
Jeff Skopek  
Koen Vermeir

## **NST Part II students**

Isabelle Adams  
Josephine Armstrong  
Charlotte Bathe  
Andrea Binfor  
James Bryce  
Becky Burton  
Doug Cannie  
Tom Chacko  
Ben Coghill  
Rod Cooke

Sarah Davis  
Jessica Eccles  
Lauren Ellery  
Felicity Fitzgerald  
Frances Gardiner  
Michelle Gowans  
Matthew Harding  
Nick Hodsdon  
Ruth Horry  
Jill Howard  
Jenny Jopson  
Katy Joubert  
Melanie Keene  
Tom Kerswill  
Ben Koppelman  
Georgia Ladbury  
Ros Lawley  
Joe Mayhew  
Chris Morton  
Alex Mulligan  
Lizzy O'Hara  
Menka Parekh  
Nick Rabey  
Cat Riddell  
Leon Rocha  
Yali Sassoon  
Adam Schaffer  
Andy Souyave  
Adam Toon  
Ali Tse  
Sam Warshaw  
Clementine Webb  
Caroline Westerlund  
Katie de Wit

## **MVST Part II students**

Janis Ferns  
Aneil Malhotra  
Charlotte Mance

# Comings and goings

**Jon Agar** starts a three-year Temporary Lectureship in History of Modern Science in October 2003, covering for Jim Secord who will be on leave for three years.

**Corrina Bower**, the Museum's Project Technician, left in December 2002 to become the Curatorial Officer at the Denny Abbey Farmland Museum near Cambridge.

**Sarah Hodges** completed her two-year Temporary Lectureship in History of Modern Medicine and Biology in August 2003. She has taken up a post in the Department of History at the University of Warwick.

**Ruth Horry** joined us in September 2003, working as a technician in the Museum on the *re:source*-funded 'Welcome to the Whipple' project.

**Boris Jardine** left his position as technician in the Whipple Museum in September 2003, to go to university in Leeds to study HPS. Boris played a major part in the Museum's *re:source*-funded 'Welcome to the Whipple' project and although we miss his creative influence and happy, outgoing personality, we wish him well in Leeds and hope he returns to help out in the holidays.

**Eleanor Robson** joins us in January 2004 as a University Lecturer specialising in Babylonian Mathematics.

# Roles and responsibilities

## *Departmental positions*

**Head of Department and Chairman of the HPS Board:** Peter Lipton (Mich 02)

**Secretary of the Board:** John Forrester (Mich 02), Tamara Hug (from Jan 03)

**Director of Graduate Studies:** Nick Jardine

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

**MPhil Manager:** Lauren Kassell (Mich 02), Nick Jardine (from Jan 03)

**BA Manager:** Jim Secord

## *HPS Board and Degree Committee*

**Professors and Readers:** Peter Lipton (on leave from Jan 03), John Forrester, Nick Jardine, Martin Kusch, Simon Schaffer, Jim Secord

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

**Whipple Librarian:** Jill Whitelock

**Departmental Secretary:** Tamara Hug

**General Board Members:** Michael Akam, Richard Drayton

**Co-options:** Lauren Kassell, Neil Manson, Soraya de Chadarevian, Eric Olsson, John McMillan

**Elected Senior Members:** Marina Frasca-Spada, Sarah Hodges, Scott Mandelbrote

**Elected Junior Members:** Arash Pessian (Graduate); Jill Howard, Mike Collins (Undergraduates)

## *Philosophy Faculty Board*

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

## *Examiners*

### **NST Part IB**

**Senior Examiner:** Dr Simon Schaffer

**Examiners:** Prof Jim Secord, Dr Richard Jennings, Dr Sujit Sivasundaram, Dr Tim Lewens, Dr Neil Manson

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

### **NST Part II**

**Senior Examiner:** Dr Martin Kusch

**Examiners:** Prof Nick Jardine, Dr Marina Frasca Spada, Dr Richard Noakes, Dr Jim Secord, Dr Adam Mosley, Dr Sarah Hodges

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

### **MPhil**

**Senior Examiner:** Prof Nick Jardine

**External Examiner:** Prof Geoffrey Cantor (University of Leeds)

# Prizes, projects and honours

## *Student prizes*

The **Latin Therapy Group** was awarded the Sixth Waterman Prize for the booklet and case study *Instruments of Translation*. The Waterman Prize is awarded annually for an outstanding contribution to the understanding and use of the Whipple Collection.

**Angela Breitenbach** was awarded the Sixth Annual Jennifer Redhead Prize for the best performance in the MPhil essays.

**Melanie Keene** was awarded the 2003 Bronowski Prize for the best performance in the HPS Part II course.

## *Other prizes*

**Jim Secord's** book *Victorian Sensation* won the History of Science Society's 2002 Pfizer Prize.

## *New research projects*

**Jim Secord** has been awarded a three-year Leverhulme Trust Major Research Fellowship, starting in October 2003, to write a book on science in the illustrated newspaper press during the nineteenth century.

**Sarah Wilmot** starts a project titled 'From public service to artificial insemination: animal breeding science in Britain c.1890-1951' in October 2003, funded by a three-year research grant from the Economic and Social Science Research Council.

## *Honours*

**Joan Mason** was awarded the MBE on 8 July 2003 for services to women in science, as founding chair of the Association for Women in Science and Engineering (AWiSE).

# Seminars and special lectures

## *Rausing Lecture*

Professor David Edgerton of Imperial College, London gave the Eighth Annual Hans Rausing Lecture in the History of Technology and Industry on 22 May 2003. The title of the lecture was ‘Putting the military back in: warfare states, technology and science in the twentieth century’.

## *Special seminars*

Professor Steven Shapin of the University of California, San Diego gave a special seminar – ‘Aristotle and the industries: the scientist and the organization in twentieth-century America’ – on 30 June 2003.

Professor Kim Sterelny of the Australian National University and Victoria University of Wellington gave a special seminar – ‘Memes revisited’ – on 7 July 2003. This seminar was presented jointly with the Department of Experimental Psychology.

## *Seminar series*

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

**History of Modern Medicine and Biology Seminar** (organised by Soraya de Chadarevian and Sarah Hodges) took place fortnightly in Michaelmas and Lent terms.

**Early Medicine and Natural Philosophy Seminar** (organised by Lauren Kassell) ran fortnightly in Michaelmas and Lent terms.

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

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

**Cabinet of Natural History** (organised by Sujit Sivasundaram) took place weekly in Michaelmas, Lent and Easter terms.

**Research Methods Seminars** (organised by Marina Frasca-Spada and Nick Jardine) were held on the first two weeks of Michaelmas term.

## *Reading groups and workshops*

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

**Gender and Science Reading Group** (organised by Sarah Hodges) was held fortnightly in Michaelmas term.

**Environmental History Reading Group** (organised by Ed Russell) met fortnightly in Lent and Easter terms.



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

**Philosophy Workshop** (organised by Tim Lewens) took place fortnightly in Michaelmas, Lent and Easter terms.

**Science and Literature Reading Group** (organised by Jim Endersby) met fortnightly in Michaelmas, Lent and Easter terms.

**Medieval Science and Philosophy Reading Group** (organised by David Chart) ran weekly in Michaelmas, Lent and Easter terms.

**Science and the Visual Reading Group** (organised by Michael Bresalier, Tatjana Buklijas and Ayako Sakurai) met fortnightly in Michaelmas, Lent and Easter terms.

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

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

**Latin Therapy Group** (organised by Jenny Downes and Nick Jardine) met weekly in Michaelmas, Lent and Easter terms.

# Students

## Student statistics

### *Student numbers*

<b>Undergraduates</b>	NST Part II .....	44
	MVST Part II.....	3
	NST Part IB .....	113

<b>Graduates</b>	MPhil.....	16
	PhD.....	33

### *Examination results*

<b>NST Part II</b>	1 .....	10	(23%)
	2i.....	32	(73%)
	2ii.....	2	(4%)
	3 .....	0	
	Fail.....	0	

<b>MVST Part II</b>	1 .....	0	
	2i.....	3	(100%)
	2ii.....	0	
	3 .....	0	
	Fail.....	0	

<b>NST Part IB</b>	1 .....	10	(9%)
	2i.....	57	(50%)
	2ii.....	43	(38%)
	3 .....	3	(3%)
	Fail.....	0	

### *Graduate degrees awarded*

<b>MPhil degrees awarded</b> .....	15
<b>PhD degrees awarded</b> .....	1

# Part II dissertation titles

A social theory of knowledge: mathematics naturalised  
A study of the Lusuerg instruments in the Whipple Museum  
An investigation into the New Riddle of Induction  
Attitudes to 'Greek Fire' as a technological feature of Byzantine claims to superiority  
Baconian ideal and personal role in the early Royal Society  
Berkeley's approach to the veil of perception  
British medical women in Colonial India  
Butler on Darwin: reductio ad absurdum?  
Chemical Patents in the 1800s: science versus invention  
Chinese and Western medicine in Tokugawa, Japan  
Constructing environmental risk: radionuclide emissions from the Sellafield effluent pipe  
Darwin, Tegetmeier and the bees  
Diogenes Laertius: the man behind the text  
Diversification of the uses of aspirin  
'Enlightened men and amiable women': the attitudes of the Lunar Society towards women  
Eugenic ideas in the pre-WWI works of HG Wells and George Bernard Shaw  
Eugenics to human genetics?  
Genetics and eugenics in the early 20th century in Britain  
Hildegard of Bingen's construction of the female body  
How and why did perceptions of melancholic conditions change in the late 17th and early 18th centuries?  
How and why did there come to be several hysterical therapies by the early 20th century?  
John Mill's 'The Fossil Spirit; A Boy's Dream of Geology'  
John Tyndall and his audiences in mid-Victorian Britain  
Justifying induction  
Leprosy in 19th century colonial India  
Lionel Penrose and eugenics  
Medical almanacs in early modern period  
Music and medicine in the Renaissance  
Possible worlds in the philosophy of science  
Postmodernity and the reception of traditional Chinese medicine in the West  
Quadd v. Grue  
Reason and revelation in Gersonides' 'Wars of the Lord'  
Sanctioned parenthood: is adoption the same as the use of reproductive technologies?  
Sexual health in apartheid South Africa  
Sherburne's library and its relation to his history of astronomers  
Something fishy: hunger, technology and the Third World protein crisis (1930-1975)  
Teaching teenagers about DNA: the history of the Mini Molymod  
The construction of the dietary theory of heart disease  
The epistemology of testimony  
The later 17th century search for a universal language: Wilkins and Bulwer  
The mind of the frontispiece: meaning, myth and motivation in Serburne's 'Manilius'  
The origin of ideas of space and time in Hume's Treatise  
The reasons for the reception of Arabic alchemy by Christian Western Europe in the 12th and 13th centuries  
The story of argon and the concept of discovery  
The trail of the human serpent: can pragmatism tell us the truth about Truth?  
War against disease: national health care and biomedical research post-WWII  
Winners and losers: Mpemba effect and polywater

# Part II primary sources essay titles

## **The American Medical Association's 1847 Code of Ethics (Appendices D&E)**

A comparative study of the AMA's Code of Medical Ethics of 1847 and the AMA's Principles of Medical Ethics of 1903

Is the original AMA Code of Ethics a code of ethics?

The good patient: is there a case for the codification of lay obligations in physician-patient relationships as found in the 1847 AMA Code of Ethics?

## **The miraculous revival of Anne Green, as described in two pamphlets from 1651**

'Behold God's providence': a physician's case notes in a wonder pamphlet

Anne Greene: a story of medicine

Anonymity and credibility in the case of 'Newes from the Dead'

Creating credibility in cheap print: how 'Newes from the Dead' functions as an anti-wonder pamphlet

Gender and infanticide in the case of Anne Greene

Inside the mind of a hero: the role of William Petty in the resurrection of Anne Greene

Medicine and the miraculous in the revival of Anne Greene

'Newes from the Dead': women, authority and medicine in the 17th century

Providence, miracles and William Petty in 'Newes from the Dead'

Telling stories: providence versus medicine in the tale of Anne Greene

Telling the truth: 'Newes from the Dead' and the wonder pamphlet genre

Wonder and anti-wonder in 'Newes from the Dead'

## **Charles Darwin, *On the Origin of Species* (1859 edition)**

Darwin's ambiguity: God in the 'Origin'

Darwin's diagram: reworking the tree of life

Darwin's self-presentation in 'On the Origin of Species'

Interpretations

Judging a book by its cover

Kropotkin and the struggle for existence

Natural law and anthropocentric interpretations in the 'Origin of the Species'

'On the Origin of Species': the uses of the introduction

Owen and the Origin

Public and private suffering in the 'Origin'

## **Sigmund Freud, 'The Psychogenesis of a Case of Female Homosexuality' (1920)**

Are Freud's tactics fair? An analysis of the rhetorical nature of the introduction to Freud's 'The Psychogenesis of a Case of Homosexuality in a Woman'

How does Freud demonstrate that the question of whether his patient's homosexuality is 'congenital or acquired (later developed)' is 'inapposite'?

'...Much less glaring...': Freud on homosexuality in women

Return to Freud: psychogenesis of a case of homosexuality in a woman

The patient-analyst relationship in psychoanalysis as exemplified by 'The Psychogenesis of a Case of Homosexuality in a Woman'

'The Psychogenesis of a Case of Homosexuality in a Woman': techniques of persuasion

## **David Hume, 'Of Miracles' in *Enquiry Concerning Human Understanding* (1748)**

David Hume's 'Of Miracles': an apparent inconsistency regarding the status of our knowledge of the uniformity of nature

David Hume's persuasive strategies in 'Of Miracles'

Hume and the Indian Prince – the distinction between the miraculous and the marvellous

Hume and the miracle of faith

Hume on testimony of miraculous events: I can believe in miracles as otherwise I couldn't believe in unicorns  
Hume's philosophy of religion and 'Of Miracles'  
Kierkegaard's 'Absolute Paradox': Hume's 'Of Miracles' as an open text  
Laws of nature in Hume's 'Of Miracles'  
'Of Miracles': did Hume regard inductive knowledge as possible?  
The contemporary response to Hume's 'Of Miracles'  
The new riddle of miracles  
What does David Hume's 'Of Miracles' reveal about the role of authority in establishing our beliefs?  
Wisdom, volition and belief

## **Saul A. Kripke, *Wittgenstein on Rules and Private Language*, Chapter 2**

A new model of meaning  
A perspectivist solution for Kripke's 'mistake objection' to dispositionalism  
Are you in or are you out? Bloor and beyond as a solution to Kripke's problem of meaning  
Concept scepticism  
Doubting in context: a possible reply to Kripke's 'Wittgenstein'  
Invoking intention – a response to Kripkenstein's sceptical paradox  
Kripke on the Wittgenstein paradox: the criteria response  
Kripke, reliabilism and knowing what we mean  
Kripke's Wittgenstein: is there a fact, somewhere outside the brain, as to what we mean?  
Solving the Wittgensteinian paradox: a realist conception of dispositionality?  
Style is substance: comparing the styles of Kripke's 'Wittgenstein on Rules and Private Language' and Wittgenstein's 'Philosophical Investigations'  
The use of strong normativity in Kripke's 'Sceptical Challenge'  
Why Bloor's sociological approach to meaning is not a straight solution to Kripke's sceptical challenge

## **William Paley, *Natural Theology*, Chapters 1-6**

Contextualising Paley's 'Natural Theology'  
Does viewing Paley's piece 'Natural Theology' as an inference to the best explanation rather than an argument from analogy help avoid its criticisms?  
Does William Paley provide a good explanation in his 'Natural Theology'?  
Paley refuted in his own time? Contemporary reviews of 'Natural Theology'  
Paley refuted: absurdity and analogy in an atheist's response to Paley's 'Natural Theology'  
Paley, Behe and the design argument  
Paley: plagiarist or textbook writer?  
Paley's design argument as an inference to the best explanation  
William Paley: no escape from analogy?

## **Claudius Ptolemy, *The Almagest*, Book 1, Chapters 1-9**

A comparison of the Preface of Ptolemy's 'Almagest' with that of Copernicus' 'De Revolutionibus'  
Blurring the boundaries: Ptolemy's treatment of the celestial-terrestrial divide in the preface to the 'Almagest'  
Proof and persuasion in Ptolemy's 'Almagest/Syntaxis' (Chapters 1-9)  
Ptolemy's 'Almagest': the mathematical, the heavenly and the divine  
Ptolemy's mathematical astronomy: connecting the theoretical with the practical  
Ptolemy's use of mathematics to study the divine  
Regularity in Ptolemy's cosmos – what is Ptolemy's conception of uniformity in the heavens and how does he mobilise it?  
Uses of Aristotelian natural motion in challenging the immobility of the earth  
What do Chapters 1-9 of Book 1 of the 'Almagest' indicate about Ptolemy's conception of enquiry into nature?  
What uses did Ptolemy ascribe to astronomy with regards to astrology?

## **Tyndall, Crookes and Wallace on spiritualism and science (1864-1874)**

Compare the conceptions of the scientific enterprise held by Crookes, Tyndall and Wallace that are revealed by the three articles: 'Spiritualism Viewed by the Light of Modern Science', 'Science and the "Spirits"', and 'A Defence of Modern Spiritualism'  
Debates on science and spiritualism in mid-Victorian Britain  
'Spiritualism viewed by the light of modern science'? Seeing as believing at the Victorian séance

'The public has learned... that "men of science" are not exempt as a body from the astounding credulity which prevails in this country'. Was spiritualism contradictory to being a 'man of science' in Victorian Britain?

### **A. Gesell and J.A. Singh, *Wolf Child and Human Child* (1941)**

Gesell as translator: science, empire and the problem of evidence

'It is the intimate architecture of the home which ceaselessly impinges on the growing child': Gesell's portrayal of his child developmental philosophy through the spaces in 'Wolf Child and Human Child'

Kamala as particular and general: comparing Singh and Gesell

Missing Mrs Singh

Singh, the history of anthropology and the question of ethnography

The paradoxical nature of studies into feral children

The 'Wolf-Children of Midnapore': autistic before their time?

To what degree were contemporary reviewers' concerns and criticisms of 'Wolf Child, Human Child' justified?

What does Gesell's 'Wolf Child and Human Child' tell us about human nature?

Wolf child and human child: Gesell as amateur

# MPhil essay and dissertation titles

## **Charlie Anson**

### *Essays*

Do feminist epistemologists succeed in accounting for the rise of such ideals as realism and objectivity in early modern theories of knowledge, in terms of male gender ideology? (supervised by Cathy Gere)

Rhetorical strategies and the reality of *Eozoon Canadense* (supervised by Jim Secord)

Should historians focus on scientific rhetoric? An analysis of the current historiographical debate (supervised by Nick Jardine)

### *Dissertation*

Defining the scientific journal in late Victorian Britain (supervised by Jim Secord)

## **Adam Braddock**

### *Essays*

Teleological functionalism and the absent qualia argument (supervised by Peter Lipton)

The Nuremberg Code and the history of patient autonomy and informed consent in American clinical medicine (supervised by Cathy Gere)

Causing people to exist and the non-identity problem (supervised by John McMillan)

### *Dissertation*

Euthanasia, physician-assisted suicide and ethics (supervised by Tim Lewens)

## **Angela Breitenbach**

### *Essays*

Individual action and environmental damage (supervised by Onora O'Neill)

Langton on things in themselves: a critique of 'Kantian Humility' (supervised by Nick Jardine)

Nonsense and mysticism in Wittgenstein's 'Tractatus' (supervised by Martin Kusch)

### *Dissertation*

Kant's notion of property and its significance for environmental philosophy (supervised by Onora O'Neill)

## **Stefan Brenner**

### *Essays*

Epistemology naturalised: after Quine (supervised by Peter Lipton)

Darwin's atheism (supervised by Jim Secord)

Representationalism and colour: a review of the central themes of Michael Tye's 'Consciousness, Colour and Content' (supervised by Martin Kusch)

### *Dissertation*

Colour: between the mind and the world (supervised by Martin Kusch)

## **Edwina Casebow**

### *Essays*

Is genetic enhancement unjust? (supervised by Onora O'Neill)

Sexuality in the general practitioner's consulting room: perceptions of the mind on disease in the 1950s (supervised by John Forrester)

'Legal Medicine' in the 'Encyclopedie': questions of competence in the conflict between physicians and surgeons (supervised by Silvia de Renzi)

### *Dissertation*

The question of infertility in twentieth-century Britain (supervised by John Forrester)

## **Nate Foster**

### *Essays*

Normativity and naturalism in mathematics (supervised by Peter Lipton)  
Partially descriptive names: a Millian critique (supervised by Martin Kusch)  
Causes of autism (supervised by John Forrester)

### *Dissertation*

Indexicals (supervised by Martin Kusch)

## **Paul Kalanithi**

### *Essays*

The physiological and the psychological in the late Wittgenstein's philosophy of psychology  
(supervised by Martin Kusch)  
Golgi, Sherrington and the neuron doctrine: the interplay between neuroanatomy and neurophysiology  
(supervised by John Forrester)  
Ian Hacking and child abuse (supervised by John Forrester)

### *Dissertation*

Comparing the British and American governments' reports on cloning (supervised by Martin Kusch)

## **Natalie Kaoukji**

### *Essays*

The role of analogy in Francis Bacon's natural philosophy (supervised by Richard Serjeantson)  
Literary technologies of the hunt: John Wilkins' 'Discovery of a New World' and Robert Burton's 'Digression of  
Air' (supervised by Simon Schaffer)  
Gilbert Simondon's philosophy of technology (supervised by Martin Kusch)

### *Dissertation*

John Wilkins' mathematical magic (supervised by Simon Schaffer)

## **Constantina Kapetanyannis**

### *Essays*

Dreyfus on artificial intelligence (supervised by Peter Lipton)  
Embodying the abstract: mathematical models in Cambridge (supervised by Liba Taub)  
Carl Elliott on 'cosmetic psychopharmacology' (supervised by Ilina Singh)

### *Dissertation*

Mathematical models (late 19th - 20th century) (supervised by Liba Taub)

## **Amir Karbasi**

### *Essays*

Pluralistic interpretation of probability (supervised by Peter Lipton)  
The weakness of Strong Programme (supervised by Martin Kusch)  
Avicenna on being and existence and essence (supervised by Basim Musallam)

### *Dissertation*

The causation debate in Islamic philosophy (supervised by Basim Musallam)

## **Sarah Palestrant**

### *Essays*

Witchcraft, medicine and hysteria in Early Modern England (supervised by Lauren Kassell)  
Organotherapy and sex chemistry in the late nineteenth century: Brown-Sequard's 'Elixir of Life'  
(supervised by Helen Blackman)  
The bioethics of transplantation (supervised by John McMillan)

### *Dissertation*

Feminine hygiene history: the invention of the tampon (supervised by Sarah Hodges)



## **Francis Reid**

### *Essays*

Isaac Frost's 'Two Systems of Astronomy' (1846) (supervised by Jim Secord)

William Wales (c.1734-1798): playing the astronomer (supervised by Simon Schaffer)

Actor network theory and the history of technology (supervised by Simon Schaffer)

### *Dissertation*

The introduction of a new technology: railways in early Victorian Britain (supervised by Jim Secord)

## **Anthony Rodriguez**

### *Essays*

The Orrery, 1766: science in the paintings of Joseph Wright of Derby (supervised by Patricia Fara)

Florence Nightingale and the battle for sanitation in India (supervised by Sarah Hodges)

Museum No. 1 Kew, past and present (supervised by Jim Endersby)

### *Dissertation*

Quacks and Quakers: historical and philosophical perspectives on the York retreat (supervised by John Forrester)

## **Jeff Skopek**

### *Essays*

Developmental stability and biology: the possibility and significance of non-mental goal-oriented systems  
(supervised by Tim Lewens)

Principles of genetics: disciplining Mendel's laws, genetics' history and its founding father  
(supervised by Soraya de Chadarevian)

Victorian vivisection: negotiating moral jurisdiction (supervised by Paul White)

### *Dissertation*

Rethinking prescriptive bioethics: creating a place for the descriptive (supervised by Martin Kusch)

## **Koen Vermeir**

### *Essays*

A historiography of the Yates thesis (supervised by Lauren Kassell)

The magic of the magic lantern (1660-1700) (supervised by Simon Schaffer)

Continuity and discontinuity in the sciences (supervised by Nick Jardine)

### *Dissertation*

Two case-studies on divining, magic and the powers of the imagination (1685-1710)  
(supervised by Lauren Kassell)

# PhD theses

## *Awarded*

### **Anna-Katherina Mayer**

‘Roots of the history of science in Britain, 1916-1950’  
(supervised by Simon Schaffer)

## *Submitted*

### **Gregory Fried**

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

### **Susan Gamble**

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

# 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 enjoyed another busy and productive year. Sonia Hollins retired from the post of Library Assistant in September 2002, but continues to work part-time in the Library covering the lunch hour and the busy period at the end of the day. Dawn Moutrey has taken over as Library Assistant. Dawn previously worked in the Departmental Office, as well as providing additional support in the Library.

Use of the Library has increased again, with a total of 1144 registered users compared with 999 in 2001-2002, and 14,168 items loaned compared with 13,466 last year.

As part of its ongoing programme of visits, the General Board's Committee on Libraries visited the Whipple on 28 February 2003 for a brief meeting and tour of facilities.

### *Electronic developments*

The University Library continued to work on upgrades to the Voyager library management system and Newton catalogue. A new version of the software was installed in April 2003, enabling the self-issue computer in the Whipple to be brought back into use. The new system has also enabled more precise statistics to be collected on the Library's readers, stock, and circulation of books.

### *New acquisitions*

New subscriptions were taken out for the following journals: *Earth sciences history*, *Endeavour*, *Hastings Center report*, *Journal of medical ethics* (with *Medical humanities*), and *SCIAMVS: sources and commentaries in exact sciences*.

The Library has received several donations throughout the year and is grateful for all these gifts. These included 39 items transferred from the Department of Applied Mathematics and Theoretical Physics Library in December 2002, mainly dating from the late 19th and early 20th century, and greatly enhancing the Library's holdings in this area. Volumes of the *Report of the British Association for the Advancement of Science* for 1894, and 1901-1938, were transferred from the Balfour Library, Department of Zoology, completing our set.

The Whipple continued to benefit from the support offered by Cambridge University Press to all College and University libraries, with an increased amount of £2578 credited to us for the purchase of Press titles.

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

Two notebooks, compiled by C.E. Cooper, Caius College. Undated, but c. 1890-1900, covering both invertebrate and vertebrate zoology at undergraduate level.

Cabanis, P.J.G. *Sketch of the revolutions of medical science, and views relating to its reform*. London, 1806.

Coates, James, ed. *The phrenological annual and register of phrenological practitioners for 1891*. London, 1891.

Fowler, O.S. *Fowler's practical phrenology*. 35th ed. New York, 1846. Bound with: *Phrenology proved, illustrated, and applied* / by O.S. & L.N. Fowler. 1846.

Quekett, John. *Lectures on histology: delivered at the Royal College of Surgeons of England, in the session 1850-51*. 2 vols. London, 1852-1854.

*The rules and constitutions for governing and managing the Maiden-Hospital : founded by the Company of Merchants, and Mary Erskine, in anno 1695*. Edinburgh, 1731.

Seubert, Adolf Friedrich. *Spuren der Gottheit in der Entwicklungs- und Bildungsgeschichte der Schöpfung : nach William Whewell's Indications of the Creator, und der dritten Auflage der Vestiges of the natural history of creation, für deutsche Leser bearbeitet*. Stuttgart, 1846.

Zittel, Karl Alfred von. *Geschichte der Geologie und Paläontologie bis Ende des 19. Jahrhunderts*. München, 1899.

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

## *Rare book collection*

The Library was successful in its bid for an additional £500 for conservation from the HOST Project (The History of Science and Technology, 1801-1914: A Collaborative Retrospective Conversion and Conservation Programme).

The Museum's Reserve Gallery, which includes two cases displaying books from the Library, opened to the public in February 2003. A virtual version of the display was also mounted on the Library's webpages. The Gallery has proved a popular location with staff in the Department for

teaching based around both books and objects. An item promoting the Gallery was included in the *Cambridge University Libraries Information Bulletin*.

Cataloguing of the books from the library of Gerd Buchdahl was completed in the summer of 2003. 631 items were added to the Library, including 202 works by and relating to Immanuel Kant, many of which are heavily annotated. Also of note are books formerly owned by G.E. Moore and Ernst Mach, some with annotations. As well as general works on philosophy and the history and philosophy of science, the collection also includes a number of books on logic and the history and philosophy of physics. With the help of Nick Jardine, the manuscripts in the collection of unpublished works, and documents relating to the early history of the Department have been sorted, listed, and archived in acid-free boxes. Further information, including a list of the manuscripts, is available on the Library's webpages.

## *Special projects*

The collection was weeded of a number of duplicate copies of books, providing additional shelf space in both the main Library and the Store. In total, 518 items were withdrawn from the Library, 200 of which were transferred to other Cambridge libraries.

Cataloguing of the Library's collection of PhD theses was completed this year. Full bibliographic records, with subject headings, are now available for all the Departmental and other theses held in the Librarian's Office.

Both the Librarian and the Library Assistant attended the University's Disability Resource Centre seminar on 'Making Libraries Accessible', and have revised all user information and printed guides in the light of what was learnt.

## *Publications*

Jill Whitelock, Jason M. Rampelt, Nick Jardine. "Gerd Buchdahl's writings in history and philosophy of science: a listing of publications, unpublished works, and annotated books". *Studies in History and Philosophy of Science*, 34 (2003), 209-227.

Jill Whitelock. "Books and objects: the Whipple's new Reserve Gallery". *Cambridge University Libraries Information Bulletin*, n.s., 52 (2003), 20-22.

# The Museum

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

### *'Welcome to the Whipple'*

(the title of our current project, supported by the Resource/DCMS Designation Challenge Fund)

This year at the Whipple has been a very busy and exciting time, with many memorable events including a visit by the Chancellor of the University, the opening of the 'Representations of the Double Helix' exhibition and co-hosting the *University Collections: Are they worth it?* conference. We have also made significant progress behind the scenes with the complete refurbishment of two stores, a plastics conservation survey and the reopening of the Reserve Gallery. The future is also looking exciting with plans to refurbish the Main Gallery and construct a new staircase to improve access between all levels of the Museum.

### *Visit by the Chancellor*

The Chancellor of the University of Cambridge, HRH Prince Philip, has taken an interest in our work at the Whipple Museum. In 1999, the Chancellor visited the Museum to view the newly completed *discover* gallery and meet with staff and students working in the Museum. On Monday 23 June 2003, the Chancellor paid us a return visit. He toured the Reserve Gallery and spoke to staff and students. On the Chancellor's previous visit, four years earlier, this had been a storeroom and he was impressed by the transformation and commented favourably on the high-density display style. The Chancellor then made an impromptu inspection of the refurbished stores before visiting the Main Gallery to view the displays and look at design proposals for the refurbishment. Before leaving, the Chancellor made an unannounced visit to the Whipple Library.

### *Behind the scenes*

Sonia Hollins, previously Library Assistant in the Whipple Library, joined the Museum staff in September. Sonia is acting as the Gallery Attendant in the Reserve Gallery during the school holidays and assisting with Museum cataloguing during the term.

Funding from *re:source* through the DCMS/Designation Challenge Fund, from the MRC Laboratory of Molecular Biology and from private donations has enabled the Whipple to continue to offer work experience and employment to students and young graduates.

Boris Jardine and Lisa Newble (BA Anthropology 2001) joined the Whipple staff as DCF Project Technicians on our Collections Access Project, which concluded in March 2002. During



the summer months, Boris and Lisa continued to work in the Museum with the help of private funding support and in October they were appointed as Project Technicians on our 'Welcome to the Whipple' DCF Project.

Corrina Bower (BA Archaeology & Anthropology 1998; MA Museum Studies, UCL 2000) came to the Whipple Museum as DCF Project Assistant and with funding support from the MRC remained with us over the summer of 2002 working on the exhibition *Representations of the Double Helix*. In the autumn, Corrina was appointed to the 'Welcome to the Whipple' project as temporary Project Technician. In early December, Corrina took the next step on her museums career and became Curatorial Officer at the Farmland Museum and Denny Abbey, Cambridge. We are grateful for her dedication and hard work.

We were joined for October and November by Saffron Clackson (BA HPS 2002) who came as a temporary DCF Project Assistant and carried out a full inventory check on Store 3 before setting off for Ghana to gain overseas work experience.

Ben Please (BA HPS 2001) rejoined us for a week in November to finish working on the objects for the handling trolley.

Rebecca Tudor (BA Geography 2002) joined us in April as a temporary DCF Project Assistant and carried out an inventory check for Store 1c – cleaning, checking object information and updating the Museum database. Rebecca remains with us over the summer with Whipple Museum funding support and she is currently developing children's activities for our Victorian Parlour.

Ruth Horry (BA HPS 2003), who worked in the Museum in the summer of 2002, has rejoined us this summer. She will work on the Edward Sherburne Project and, with Rebecca, will carry out a visitor study in the Main Gallery.

Museum Staff attended training courses in:

*Visitor Studies* – Lisa Newble and Monica Elsey

*Museum Documentation* – Boris Jardine, Lisa Newble, Rebecca Tudor and Ruth Horry

*Virtual Matters* – Lisa Newble

*Welcoming Visitors with Disabilities* – Elizabeth Hart

One Week Residential Course, MA Museum Studies (Leicester) – Lisa Newble

In November, the Museum was able to provide a one-week work experience placement for Veronica Glick, a student from the Perse School for Girls. Veronica wrote several short biographies to accompany the portraits in our 'print gallery' and researched handling objects for use in our Victorian mini-gallery as well as joining in routine museum work.

# Teaching and exhibitions

## Departmental Teaching

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

## Student Research 2002 – 2003

*Constantina Kapetanyannis (Darwin College)*

MPhil Essay: 'Embodying the Abstract: Mathematical Models in Cambridge'

MPhil Dissertation: 'Reforming Mathematics: Late Nineteenth-Century Mathematical Models'

*Josephine Armstrong (Jesus College)*

Undergraduate Dissertation: 'A Study of the Lusuerg Instruments in the Whipple Museum'

## Representations of the Double Helix

A temporary exhibition, *Representations of the Double Helix*, with funding support from the MRC Laboratory of Molecular Biology, was mounted in the Whipple Main Gallery in Michaelmas. The exhibition, which follows the image of the double helix from its first appearances in scientific papers to its uses as a cultural icon, was curated by Soraya de Chadarevian and Harmke Kamminga, assisted by Corrina Bower, and marks the 50th anniversary of Watson and Crick's publication of *A structure for Deoxyribose Nucleic Acid* in *Nature*. An evening reception, on 15 January, was attended by guests from the University, MRC Laboratory of Molecular Biology, Cambridge and the wider community. On Sunday 27 April, the Museum held a special open day to enable delegates attending the 50th anniversary celebrations to visit the exhibition. It was interesting to meet alumni of the Cavendish who were responsible for constructing the original model.

The anniversary created a great deal of worldwide interest and this led to the media focussing on Cambridge. The Whipple Museum exhibition was featured in several national newspapers and on 8 television programmes in Europe and North America.

The Whipple Museum has published an exhibition catalogue to accompany the exhibition, *Representations of the Double Helix* by Soraya de Chadarevian and Harmke Kamminga.

## Instruments of Translation

The Cambridge Latin Therapy Group is a graduate seminar devoted to translating Latin texts on the history of science. This year the Group, in collaboration with the Whipple Museum, has

worked on several puzzling instruments and instrument texts: a manuscript on the use of the navicular sundial, instructions engraved on a seventeenth-century Rojas dial, and a description of a horological device in Athanasius Kircher's *Ars magna lucis et umbrae* (1646). The Case Study in the Whipple Main Gallery and the Whipple publication *Instruments of Translation* discuss how the difficulties encountered in translation and how the problems and successes in using instruments to interpret texts – and vice versa – show the value of a dialogue between historians of books and historians of instruments.

The Waterman Prize, awarded annually to a student (or in this case a group of students) who has made a significant contribution to our understanding of objects in the Whipple Collection, was presented this year to the Latin Therapy Group.

## *Publications*

*Representations of the Double Helix* by Soraya de Chadarevian and Harmke Kamminga (2002)

*Instruments of Translation* by Catherine Eagleton, Jennifer Downes, Katerine Harloe, Boris Jardine, Nick Jardine and Adam Mosley (2003)

## *Outreach and collaboration with other University museums*

### **Cambridge Collections Lecture Series**

The Directors of the University of Cambridge Museums and Collections presented a series of 8 open lectures in Michaelmas. Dr Liba Taub gave a lecture *The Whipple Museum of the History of Science: Case Studies* on 4 November.

### **Cambridge Discovery Lecture Series**

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

### **University Collections – Are They Worth It?**

Peterhouse, Cambridge, 4-5 July 2003

The Whipple co-sponsored an international conference centred around questions related to university collections; invited speakers have responsibility for collections in British, European and American universities.

The conference was organised by the Whipple Museum of the History of Science, with support from the Resource/DCMS Designation Challenge Fund, CRASSH (the Centre for Research in

the Arts, Social Sciences and the Humanities), the Fitzwilliam Museum, and the University Museums Group; co-convenors: Liba Taub (Whipple Museum) and Duncan Robinson (Fitzwilliam Museum), with help from Simon Chaplin (Royal College of Surgeons).

Over 100 delegates representing all fields of interest in university museums, collections and their funding bodies attended the conference. The talks were varied and provoked lively discussion.

### **Oral History**

In dealing with our Museum's collections we often meet interesting people who have worked 'behind the scenes' in scientific research. Many of these people are now elderly and we are conscious that their stories and the information on day-to-day activities will be lost. With the support of our DCF funding, the Museum has purchased sound recording equipment. Corrina Bower and Lisa Newble attended a meeting of the pensioners group of the Cambridge Scientific Instrument Company and gave a presentation on Oral History recording and invited members to participate in a pilot project. Lisa has now carried out nine interviews and these have been transcribed by Sonia and Rebecca.

### **'Best day at school!'**

Lisa Newble was recently invited to visit Queen Edith Primary School in Cambridge. As part of the national curriculum, the Year 2 class were making 'museums' and Lisa spoke to the children about work in the Whipple Museum to preserve historic objects and on creating a display and writing labels. Lisa took several of the drawers from the Reserve Gallery handling trolley and the children were thrilled to be able to touch 'real museum objects': one little girl told Lisa that it was the best day that she had ever had in school!

### **Cambridge Science Festival**

On Saturday 15 March the Whipple Museum opened for the day to participate in the Cambridge Science Festival. The Main gallery was open and many families completed the 'Double Helix Challenge' puzzle trail. The Reserve Gallery was busy with families and adults enjoying activities with the objects from the drawers of the handling trolley.

The Museum staff were assisted on the day by students in the Department: Kemal de Soysa, Josephine Armstrong and Tom Chacko.

### **Weekend Openings**

Although it is not possible with our very low staff levels to open the Museum at the weekends on a regular basis we try to meet requests for special openings. This year these were:

Saturday 5 October	Radiologists holding a meeting at Peterhouse
Saturday 1 March	Madingley Hall, Day School (Soraya de Chadarevian)
Saturday 15 March	Cambridge Science Festival
Saturday 26 April	Historical Medical Equipment Society
Sunday 27 April	DNA 50th Anniversary, Laboratory of Molecular Biology alumni

## **Television Programmes**

This year the Whipple Collection has featured in two television programmes: ‘An Introduction to Philosophy’ (an educational film by Tranquilo TV from Argentina) and a programme on the history of Sinclair calculators by the BBC, Norwich.

In addition, the Whipple Museum has been the setting for two radio and four television interviews conducted with members of the Department of History and Philosophy of Science, including Soraya de Chadarevian, Patricia Fara and Simon Schaffer.

## *Grants awarded*

### **Arts and Humanities Research Board**

Effective August 2001, the Whipple was awarded £25,000 core funding for this academic year, from the Arts and Humanities Research Board. The award will continue annually for five years, subject to a review and a satisfactory progress report after three years. This funding is paid to the University of Cambridge directly, rather than to the Whipple itself, and has resulted in an actual increase of £908, which the Whipple may spend directly during the academic year. The £908 is earmarked for publicity and marketing, based on the recommendations of the referees

### **Designation Challenge Fund**

The Designation Challenge Fund was created by the Department for Culture, Media and Sport to support designated collections. A total of £15m was made available to *re:source* (The Council for Museums Archives and Libraries) to award to designated museums in a three-year grant programme covering the period April 1999 to March 2002. A further £5.2m of funding was made available for the period August 2002 to March 2004. The fund is intended both to meet the aims of designation, and to help museums in the scheme to tackle basic collections management tasks.

In total, to date (1999-2003), the Whipple Museum has been awarded £428,739 from the Designation Challenge Fund. An image of our *discover* gallery featured prominently in *re:source's* *Designation Challenge Fund Report 1999-2002*.

### **‘Welcome to the Whipple’ Project (August 2002 to March 2004; £99,912)**

Our ‘Welcome to the Whipple’ project is building upon the successes of our Collections Access Project. The main aims are:

- Utilising extensive audience evaluation, we are developing plans (with design professionals, BLB Architects, and consultants Dr Gaby Porter and Margaret Hall) to refurbish our Grade II listed Main Gallery. The design package will provide the basis for our future fundraising efforts to enable us to accomplish the much-needed refurbishment.

- Adding images and incorporating new technologies, we will broaden the appeal of the database and enable visitors to relate the information contained in the database to the objects on display in all of our galleries. We are also building upon and expanding our outreach activities, which included the University collections conference and continued support for the Cambridge Discovery series.
- By refreshing our older displays in the Main and Upper Galleries, and improving display and interpretation using simple, cost-effective methods, we will attract visitors and enhance the visitor experience. We are also creating a mini-gallery, a 'Victorian Parlour'.

We are making good progress with our project. In January 2003, we appointed BLB Architects to develop a plan to refurbish our Grade II listed Main Gallery and address the issue of improving access to the Whipple Museum galleries. Draft proposals have been presented to staff of the Museum and staff and students from the Department. Further consultation will take place over the summer and autumn.

Photographs have now been taken of over 4000 objects from the collection and approximately 3000 are attached to the database.

### **EEMLAC**

The Whipple received a grant of £380 from EEMLAC, the East of England Museums, Libraries and Archives Council. This award was to cover 50% of the costs of hiring a professional conservator to advise on the care of objects in the Collection made of or containing plastic materials. This is an area of concern to all museums; some early celluloid objects are now becoming unstable and the plasticizers in more recent foams are leading to their degradation. The Museum has to consider how best to deal with plastic objects and also minimise any deleterious effects on other objects in the stores.

### **PRISM**

The Whipple Museum received two PRISM awards in November 2002: a grant of £4,250 (50%) towards the purchase of an 1843 Human Anatomical Model by Auzoux and a grant of £7,500 (50%) towards the purchase of a Spanish 19th-century Combination Globe.

## *Donations*

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

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 a double prize has been awarded to the Latin Therapy Group to assist them in further research. We are very grateful to Trevor Waterman & Sons for their continuing generosity in funding this award.

The Winona Fund, established by an anonymous donor, generously continued to contribute money to help support students working on scientific instruments.

## *Recent acquisitions*

Acquisitions this year include transfers from the Departments of Earth Sciences, Paediatrics and Zoology; and from Photography and Illustration Services.

Brian Harland of the Department of Earth Sciences donated a group of instruments he used in the geological survey of Svalbard.

5869	Electronic pocket calculator	5900	Stereoscopic slides
5870	Print entitled 'The Antiquarian'	5901	EDSAC 2 chassis
5871	Print entitled 'The Itinerant Apothecary'	5902	Navicula
5872	Pendulum clock	5903	Rock compass
5873	Perfusion pump	5904	Artillery director
5874	Float recorder	5905	Compass clinometer
5875	Electrode	5906	Compass clinometer
5876	Pedometer	5907	Universal equinoctial ring dial
5877	Integrating planimeter	5908	Orrery magic lantern slide
5878	Universal bar-parallax stereoscope	5909	Postcard entitled 'The Descent of Man'
5879	Lettering set	5910	Caricature print from 'Truth' magazine
5880	Lecture notebooks	5911	'Vanity Fair' print of Roderick Murchison
5881	Slide rule	5912	Print of Professor Edward Forbes
5882	Plate camera on rails	5913	Print of Jean d'Alembert
5883	Camera microscope	5914	Caricature print from 'Truth' magazine
5884	Microscope projector	5915	Achromatic compound microscope
5885	Objective lenses for camera microscope	5916	Print of Ami Boué
5886	Screw micrometer eyepiece	5917	Print of J. L. Lagrange
5887	Pocket calculator	5918	Print of Lacedpede
5888	Rojas-type universal altitude dial	5919	Print of Michael Faraday
5889	Microscope lamp	5920	Photograph of Charles Lapworth
5890	Microscope lamp	5921	Print of Angelo Sismonda da Corneliano
5891	Stop frame projector	5922	Print of Reverend Joseph Priestly
5892	Globe containing orrery	5923	Print of George Combe and John Gray
5893	Anatomical model of human	5924	Print of Print of the Reverend Thomas Martyn, King's College Chapel, the Public Library and Senate House. 1799.
5894	Print of Sir Michael Foster		
5895	Print of Sir Frederick Gowland Hopkins		
5896	Pyrometer		
5897	Temperature indicator		
5898	Cross-head		
5899	Magic lantern slides		

- 5925 Print of the Monument of the Tradescants and their portraits
- 5926 Print of Robert Jameson
- 5927 Print of Erasmus Darwin
- 5928 Print of William Kirby
- 5929 Print of Charles Darwin
- 5930 Print of André Dumont
- 5931 Print of Johann Jacob Scheuchzer
- 5932 Gear-train model
- 5933 Anatomical booklet entitled 'The Ox'
- 5934 Chart of the human genome
- 5935 Caricature cartoon of 'Our National Church'
- 5936 Low temperature thermometers
- 5937 Barometer
- 5938 Prismatic compass
- 5939 Altimeter
- 5940 Arithmetical lottery
- 5941 Compass clinometer
- 5942 Rock compass
- 5943 Pantograph
- 5944 Rolling parallel rule
- 5945 Rule
- 5946 Flexible station pointer
- 5947 Mini binoculars

### **Handling Collection Objects**

- HC 60 abacus
- HC 61 stereoscopic viewer
- HC 62 tuning forks
- HC 63 stereoscopic viewer
- HC 64 flat orrery and tellurion
- HC 65 microscope lamp
- HC 66 electronic pocket calculators (5)
- HC 67 reproduction of Mogg's celestial globe
- HC 68 electrostatic generator
- HC 69 light boxes
- HC 70 prisms
- HC 71 organ tunic
- HC 72 skeleton tunic
- HC 73 plant model
- HC 74 pair of globes
- HC 75 achromatic compound microscope
- HC 76 achromatic microscope
- HC 77 abacus
- HC 78 armillary sphere
- HC 79 horizontal inclining dial

## *Loans*

The Whipple Museum continues to receive requests from other museums for the loan of objects from within its collection, evidence of how highly regarded the collection is both nationally and internationally. The Whipple Museum 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, the 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

### **Department of Chemistry**

Chem@300 Symposium: 6 to 9 December 2002

0065 platinum press



### **National Maritime Museum**

‘The Beagle Voyages: from Earth to Mars’: December 2002 to September 2003

5802 Blowpipe, geological exploration set by Augult Lingke & Co. Frieburg  
19th century

### **Royal Observatory, Greenwich**

‘Robert Hook: The Man who Knew Everything’: February 2003 to February 2004

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

### **University of East Anglia, Sainsbury Centre for Visual Arts**

‘Rain or Shine: Living with Weather’: May 2003 to June 2003

1635 Cloud Camera

4416 Four cloud camera prints

4564 Weather disc

5173 Sunshine recorder

1185 Anemometer

### **Colchester Castle Museum**

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

3745 Armed lodestone made by B Koops 1742

# Individuals

## Individual reports of members of the Department

### *Katherine Angel*

#### **Publications**

##### *Articles in journals*

Angel, K. 'Defining psychiatry: Aubrey Lewis's 1938 report and the Rockefeller Foundation', in K. Angel, E. Jones and M. Neve (eds.), 'European psychiatry on the eve of war: Aubrey Lewis, the Maudsley Hospital and the Rockefeller Foundation in the 1930s', *Medical History*, Supplement No. 22 (2003), 196

### *Debby Banham*

Debby Banham is very pleased to report that funding from the Newton Trust for Michaelmas 2002 has allowed her to complete the survey of medieval medical and scientific manuscripts in Cambridge for the electronic Thorndike and Kibre project, based in the Department and directed by Peter Murray Jones of King's College. The data will eventually be made public, but in the meantime, enquiries can be addressed to Debby Banham or Peter Jones.

In May she was pleased to be asked to join the Medieval Diet Group. She has continued to teach Latin, palaeography and Anglo-Saxon history for the colleges, Madingley Hall, and Birkbeck, and she has also been teaching for the Open University this year.

#### **Publications**

##### *Articles in books*

Banham, D. (2002) 'Investigating the Anglo-Saxon *materia medica*: Latin, Old English and archaeobotany', in R. Arnott (ed.) *The Archaeology of Medicine*, BAR International Series 1046, Archaeopress, 95-99

##### *Articles in journals*

Banham, D., Biggam, C.P. et al. 'Bibliography for 2001', *Anglo-Saxon England* 31 (2002), 275-368

#### **In Press**

##### *Books*

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

##### *Articles in books*

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

#### **Lectures and Conferences**

##### *May 2003*

Banham, D. 'The social context and material culture of feasting in Anglo-Saxon England', The Table: Conference on the Material Culture of Dining, University of Sheffield

Banham, D. '*Thær wæs symbla cyst*: the feast in Anglo-Saxon England', Medieval Diet Group, Somerville College, Oxford

Banham, D. 'The care of the sick', Disease and Medicine in the Middle Ages seminar, Birkbeck College, London

Banham, D. 'But what did they have for breakfast? The really important questions about Anglo-Saxon England', Bede's World, Jarrow

July 2003

Banham, D. 'Se hlafe the man halige on hlaefmæsse dæg: the cross, blessings and the food supply in Anglo-Saxon England', Cross and Crucifix in Anglo-Saxon England and on the Continent, King Alfred's College, Winchester

## Andrew Barry

### Publications

#### Articles in journals

Barry, A. and Walters, W. 'From Euratom to complex systems: technology and European government', *Alternatives: Global, Local, Political* 28, 3 (2003)

### Lectures and Conferences

November 2002

Barry, A. 'Technology and event', Seminar on Paul Virilio, Faculty of Social Sciences, University of Sussex

December 2002

Barry, A. 'Demonstration, politics and the event', Centre de Sociologie de l'Innovation, Ecole des Mines, Paris

January 2003

Barry, A. 'Embodying ethics: politics and the brand', Workshop on *Inside Ethics*, Girton College, Cambridge

March 2003

Barry, A. 'The ethical business', Symposium on *Innovating Markets*, London School of Economics

June 2003

Barry, A. 'Cosmopolitics', Conference on *Technonatures*, Goldsmiths College

Barry, A. 'Empiricism', Workshop with Bruno Latour on the *Politics of Nature*, Centre for the Study of Democracy, University of Westminster

July 2003

Barry, A. 'Gell, Whitehead and the anthropology of invention', *Anthropology and Science*, ASA Decennial Conference, University of Manchester

Barry, A. 'The Malanggan and the pipeline: technology and political event', *Anthropology and Science*, ASA Decennial Conference, University of Manchester

### Conference and Seminar Organisation

(with C. Hayden) Panel on *Disembedding Politics: Technoscience and the Problem of Political Representation*, ASA Conference, Manchester, July 2003

(with D.R. Slater) *Innovating Markets* symposium, LSE, London, April 2003 (in collaboration with Department of Sociology, LSE and École des Mines, Paris)

(with C. Hayden) *Inside Ethics* workshop, Girton College, Cambridge, January 2003 (in collaboration with Department of Social Anthropology, University of Cambridge)

### Research Grants

'Social and human rights impact assessment and the governance of technology', £44,027, ESRC *Science in Society* programme, September 2003- August 2004

Member of CNRS network on Ecological Governance, 2002-2004

# Robert Bud

During the year Robert Bud has been directing the development of two substantial historical websites at the Science Museum, provisionally entitled 'Ingenious' and 'Making the Modern World online'. He has also been writing a history of penicillin to be published by Oxford University Press. He is a member of the steering committee of the Tensions of Europe Project.

## Publications

### Reviews

- Bud, R. Review of A.W. Crosby, *Throwing Fire – Projectile Technology Through History* and A. Macfarlane and G. Martin, *The Glass Bathyscaphe*, in *History Today* 52 (September 2002), 56
- Bud, R. Review of P.E. Brodwin, *Biotechnology and Culture: Bodies, Anxieties, Ethics*, in *Technology and Culture* 43 (2002), 839-840
- Bud, R. Review of J. Uglow, *The Lunar Men: Five Friends Whose Curiosity Changed the World*, in *Nature* 419 (24 October 2002), 782-783

## Lectures and Conferences

### October 2002

- Bud, R. 'The revolutionary implications of the word biotechnology', *Genetica e biotecnologie nella medicina. Aspetti scientifici, etici, storici, giuridici ed economici*, Rome
- Bud, R. 'Communicating "technology in culture"', SHOT conference, Toronto

### June 2003

- Bud, R. 'Miracle drugs and the marketing of science in the 1930s', *Anglo-American Medical Relations: Historical Insights*, London

### July 2003

- Bud, R. "'Religion is not only silly but wrong": the political and cultural meaning of DNA, 1939-53', *Science Its Advocates and Adversaries*, 17th Annual Conference of the Institute of Contemporary British History, London
- Bud, R. 'The penicillin epidemic, doctors and the Asian flu pandemic of the 1950s', *Devices and Designs: Medical Innovation in Historical Perspective*, Manchester

### August 2003

- Bud, R. 'Technology, museums and the multimedia future', Icohtec conference, Moscow

### September 2003

- Bud, R. 'Communicating the history of chemistry online', 4th International conference on the history of chemistry, Budapest

# Tatjana Buklijas

## Lectures and Conferences

### October 2002

- Buklijas, T. 'Topography of anatomy: mapping a discipline in post-1848 Vienna', *Arts and Humanities Seminars*, Clare Hall, Cambridge

### February 2003

- Buklijas, T. 'Imperial bodies: supplying anatomy after 1848 in Vienna', *History of Modern Medicine Seminar*, Department of History and Philosophy of Science, University of Cambridge

### March 2003

- Buklijas, T. 'Dissection in medical education at Vienna University, 1848-1914', *History of Science Workshop*, Department of History and Philosophy of Science, University of Cambridge

Buklijas, T. “‘Celebrata est anathomia’”: 600 Hundert Jahren der Anatomie in Wien (1. Teil): Lehren und Lernen, 1845-1914’, *Neuere Ergebnisse der Medizingeschichte*, Institut fuer Geschichte der Medizin der Universitaet, Vienna, Austria

*May 2003*

Buklijas, T. ‘Public anatomy in post-1848 Vienna’, Nordic Postgraduate Workshop in History of Science and Technology, Bjerringbro, Denmark

*July 2003*

Buklijas, T. ‘Public anatomies in Vienna’, International Society for History, Philosophy and Social Studies of Biology 2003 Meeting, Vienna, Austria

## *Jeremy Butterfield*

### **Publications**

#### **Reviews**

Butterfield, J. Review of M. Beller, *Quantum Dialogue*, in *Contemporary Physics* 43 (2002), 230-231

### **In Press**

#### **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 Kausalitat in der Physik*, Mentis (available at physics/0210081)

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 (available at quant-ph/0210140)

#### **Articles in journals**

Butterfield, J. ‘David Lewis meets Hamilton and Jacobi’, *Philosophy of Science* (2004)

### **Lectures and Conferences**

*November 2002*

Butterfield, J. ‘David Lewis meets Hamilton and Jacobi’, invited symposium paper at Philosophy of Science Association biennial conference, Milwaukee, USA

*March 2003*

Butterfield, J. ‘Humean Supervenience and Classical Continua’, Oxford-Princeton Workshop in Philosophy of Physics, Oxford

*April 2003*

Butterfield, J. ‘On Machianism in Dynamics’ and ‘Persistence and Classical Continua’, Physics and Philosophy Departments, Florence, Italy

*May 2003*

Butterfield, J. ‘Philosophical surprises in classical mechanics’, The Jacobsen Lecture, University of London

*August 2003*

Butterfield, J. ‘Catastrophe theory: some philosophical morals’, Quadrennial World Congress of Logic and Philosophy of Science, Oviedo, Spain

Butterfield, J. ‘Wilson on the philosophy of classical mechanics’, Quadrennial World Congress of Logic and Philosophy of Science, Oviedo, Spain

September 2003

Butterfield, J. 'Classical Mechanics is not *Pointilliste* and can be *Perdurantist*', invited lecture at XIIth annual UK Foundations of Physics conference, Leeds

## *Soraya de Chadarevian*

Soraya de Chadarevian and Harmke Kamminga were curators of the exhibition *Representations of the Double Helix*, on display in the Whipple Museum from January to December 2003. Soraya gave numerous interviews with television, radio and newspaper reporters from the UK, Germany, Hungary, Yugoslavia, Croatia, Italy, Spain, the US, Canada and Japan around the opening of the exhibition and the DNA 50 anniversary (January - April 2003).

### **Publications**

#### **Books**

de Chadarevian, S. and Kamminga, H. (2002) *Representations of the Double Helix*; revised and enlarged edition, Whipple Museum for the History of Science [exhibition catalogue]

#### **Articles in books**

de Chadarevian, S. (2002) 'Why the helix' in S. de Chadarevian and H. Kamminga, *Representations of the Double Helix*, Whipple Museum for the History of Science, v - viii; Italian in *Il Sole/24 Ore*, 5 January 2003, 24

#### **Articles in journals**

de Chadarevian, S. 'Portrait of a discovery: Watson, Crick and the double helix', *Isis* 94 (2003), 95-105

de Chadarevian, S. 'The making of an icon', *Science* 300 (2003), 255-257

de Chadarevian, S. 'Relics, replicas and commemorations' *Endeavour* 27 (2003), no. 2, June, 75-79

de Chadarevian, S. 'Laboratory science versus country-house experiments: the controversy between Julius Sachs and Charles Darwin', Japanese translation in *Newsletter of the Japanese Society for Plant Physiology* 11 (2002), 51-82 (originally published 1996)

#### **Reviews**

de Chadarevian, S. Review of P. Rabinow, *French DNA: Trouble in Purgatory*, in *Annals of Science* 60 (2003), 209-211

de Chadarevian, S. Review of B. Maddox, *Rosalind Franklin: The Dark Lady of DNA*, in *Microbiology Today* 30 (Feb 2003), 46

### **In Press**

#### **Edited volume**

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

#### **Articles in books**

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

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

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

### **Conference Organised**

February 2003

De Chadarevian, S. and Strasser, B. Two-day international workshop *Forty Years of EMBO (European Molecular Biology Organisation)*, EMBO Headquarters, Heidelberg

## Lectures and Conferences

### November 2002

de Chadarevian, S. 'Biophysics, molecular biology and the Medical Research Council', MRC-Headquarters, London.

de Chadarevian, S. Commentary at workshop *Dynamique des disciplines biologique: classification, embryologie, génétique*, Pasteur Institute, Paris

### December 2002

de Chadarevian, S. 'DNA as an icon', MRC-Laboratory of Molecular Biology, Cambridge

### February 2003

de Chadarevian, S. 'EMBO as "expert body": The Recombinant DNA Standing Advisory Committee', workshop *Forty Years of EMBO*, EMBO Headquarters, Heidelberg

### April 2003

de Chadarevian, S. 'Fifty years of the double helix: a historical perspective', Universidad Autonoma, Madrid

de Chadarevian, S. 'The making of a twentieth-century icon', City of Knowledge, Barcelona

de Chadarevian, S. 'Immagini del DNA', meeting *50 anni della doppia elica*, Rome, Italy

de Chadarevian, S. 'DNA and the history of genetics', meeting *Molecular Biology in the Twentieth Century*, Royal Institution, London

### May 2003

de Chadarevian, S. and Kamminga, H. 'DNA as cultural icon', Discovery Series, Sedgwick Museum, University of Cambridge

### June 2003

de Chadarevian, S. 'The making of a twentieth-century icon', Genomics in Society group, University of Exeter

de Chadarevian, S. 'History of a discovery', round-table discussion *Untwisting the Helix*, Einstein Forum, Potsdam; followed by opening remarks 'Presenting DNA' for the British Council exhibition *DNA50* at Potsdam

de Chadarevian, S. 'Models and the making of molecular biology', at workshop *Medien des Lebens*, Bauhaus Universitaet Weimar, Germany

### July 2003

de Chadarevian, S. 'Mice and the reactor: the "genetics project" and atomic politics in 1950s Britain', meeting of the International Society for the History, Philosophy and Social Studies of Biology, Vienna

de Chadarevian, S. 'Molecular biology in Cambridge', Science Summer School, Institute of Continuing Education, International Programme, University of Cambridge

## Katrina Dean

### Publications

#### Articles in journals

Dean, K. 'Inscribing settler science: Ernest Rutherford, Thomas Laby and the making of careers in physics', *History of Science* 41 (2003), 217-240

Dean, K. 'The physicist's homestead: Alexander McAulay, hydroelectricity and mathematical physics in Tasmania', *Tasmanian Historical Studies*, July 2003

# Thomas Dixon

Thomas Dixon is an Affiliated Research Scholar of the HPS Department. He continues to hold a British Academy Postdoctoral Fellowship at the Faculty of Divinity, and a Junior Research Fellowship at Churchill College.

## Publications

### Books

- Dixon, T. (2003) *From Passions to Emotions: The Creation of a Secular Psychological Category*, Cambridge University Press  
Dixon, T. (ed.) (2003) *The Life and Collected Works of Thomas Brown (1778-1820)*, Thoemmes Press, 8 vols

### Articles in books

- Dixon, T. (2002) 'John Abercrombie', 'William Lyall', 'William Newnham', and 'George Ramsay' in *Dictionary of Nineteenth-Century British Philosophers*, Thoemmes Press

### Articles in journals

- Dixon, T. 'Looking beyond "The Rumpus about Moses and Monkeys": religion and the sciences in the nineteenth century', contribution to Forum on Nineteenth-Century Religion, *Nineteenth Century Studies* 17 (2003), 25-33

### Reviews

- Dixon, T. 'Anglican nature' (Essay review of J. Habgood, *The Concept of Nature*), *Times Literary Supplement* (2002)  
Dixon, T. Review of Rick Rylance, *Victorian Psychology and British culture, 1850-1880*, in *Journal of Victorian Culture* 7.2 (2002), 323-328

## In Press

### Books

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

### Articles in books

- Dixon, T. (2003) 'Charles Booth', 'Thomas Brown', 'J.F. Ferrier', 'William Hamilton', 'Harriet Martineau', 'John Stuart Mill', and 'Dugald Stewart', in Bernard Lightman (ed.) *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press  
Dixon, T. (2004) 'The invention of altruism: Auguste Comte's *Positive Polity* and respectable unbelief in Victorian Britain', in D. Knight and M. Eddy (eds.) *Science and Beliefs: From Natural Philosophy to Natural Science*, Ashgate  
Dixon, T. (2004) 'Herbert Spencer and altruism: the sternness and kindness of a Victorian moralist', in G. Jones (ed.) *Herbert Spencer, 1820-1903: Founding Father of Modern Sociology*, Galton Institute

### Reviews

- Dixon, T. Review of M. Ruse, *Darwin and Design: Does Evolution have a Purpose?* in *Times Literary Supplement* (2003)  
Dixon, T. Review of J. Secord, *Victorian Sensation: The Extraordinary Publication, Reception, and Secret Authorship of 'Vestiges of the Natural History of Creation'*, in *Annals of Science* (2003)  
Dixon, T. Review of G. Levine, *Dying to Know: Scientific Epistemology and Narrative in Victorian England*, in *Journal of Victorian Culture* (2003)  
Dixon, T. Review of J.H. Brooke and G. Cantor, *Reconstructing Nature: The Engagement of Science and Religion*, in *Religion* (2003)  
Dixon, T. Review of G. Bunn, A.D. Lovie and G.D. Richards (eds.) *Psychology in Britain: Historical Essays and Personal Reflections*, in *BJHS* (2003)

## Lectures and Conferences

### November 2002

- Dixon, T. 'The first altruists: atheism, religion and ethics in Victorian Britain', Research Seminar, Heythrop College, London



Dixon, T. 'The first altruists: atheism, religion and ethics in Victorian Britain', Philosophy of Religion Seminar, Canterbury Christ Church University College

*April 2003*

Dixon, T. 'Is "altruism" a sweeter or better word than charity?: Atheism, science and morals in Britain, 1851-1914', Postdoctoral Fellowship Symposium, British Academy, London

*May 2003*

Dixon, T. 'Age of passions, age of reason? The Scottish birth of "the emotions" c. 1750-1820', Science of Man in Scotland Project, University of Edinburgh

*July 2003*

Dixon, T. 'Is "altruism" a sweeter or better word than charity?: Atheism, science and morals in Britain, 1851-1914', British Society for the History of Science Annual Conference, York

*August 2003*

Dixon, T. 'Harriet Martineau and the politics of altruism', Martineau Society Annual Conference, Oxford

*September 2003*

Dixon, T. 'Altruist or egoist? A study in the science and religion of Herbert Spencer', Herbert Spencer Centenary Symposium, Linnean Society, London

## *Catherine Eagleton*

This year Katie has mostly been writing her PhD, but she has also found time to work with the Cambridge Latin Therapy Group on their booklet *Instruments of Translation* and with Whipple Museum staff on the accompanying case study. She visited the USA during May, and will be going back for a few weeks in November 2003 as an Andrew W. Mellon Research Fellow at Oklahoma University. She is proud to have been a member of the first ever HPS Garden Party band.

### **Publications**

#### ***Books***

Eagleton, C., Downes, J., Harloe, K., Jardine, B., Jardine, N. and Mosley, A. (2003) *Instruments of Translation*, Whipple Museum of the History of Science

#### ***Articles in journals***

Eagleton, C. 'An unnoticed fragment of Chaucer's treatise on the astrolabe', *Journal of the Early Book Society* 6 (2003), 161-173

### **In Press**

#### ***Articles in books***

Eagleton, C., Downes, J., Harloe, K., Jardine, B., Jardine, N. and Mosley, A. 'Instruments of translation' in L. Taub and F. Willmoth (eds.) *Instruments and Interpretations: A Festschrift for the Whipple Museum of the History of Science*, Cambridge University Press

#### ***Articles in journals***

Eagleton, C. 'The navicula sundial: text, image and object', *AVISTA Forum Journal* 13.2 (2003)

#### ***Reviews***

Eagleton, C., Tybjerg, K. and Vermeir, K. Review of P. Long, *Openness, Secrecy, Authorship*, in *British Journal of the History of Science*

## Lectures and Conferences

January 2003

Eagleton, C. 'Telling the time in late medieval England: texts, images and objects', Medieval Research Seminar, Faculty of History, University of Cambridge

February 2003

Eagleton, C. 'Illustrations of instruments in manuscript and print culture: how sixteenth-century books redefined a medieval sundial', History of the Book Seminar, Trinity College, Cambridge

May 2003

Eagleton, C. 'The navicula sundial: text, image and object', AVISTA sponsored session Art, Science and Technology: Interdisciplinary Studies at the International Medieval Conference, Kalamazoo, Michigan

June 2003

Eagleton, C. and Spencer, M. 'Using science to do history: making manuscript stemmas using methods from evolutionary biology', History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge

## Nader El-Bizri

Nader El-Bizri is an Affiliated Research Scholar of the HPS department, where he lectures on Arabic sciences. Moreover, he is a Research Associate in Philosophy at the Institute of Ismaili Studies, London, also acting as the Managing Editor of a multi-authored multi-volume Arabic critical edition and annotated English translation with commentaries of the *Rasa'il Ikhwan al-Safa'* classic corpus in the history of science (*The Epistles of the Brethren of Purity*, c.10th century). In addition, he is coordinating a collaborative project with the Institut Français d'Études Arabes de Damas, and he has recently been elected as a member of the Executive Council of the Société Internationale d'Histoire des Sciences et des Philosophies Arabes et Islamiques (linked to the CNRS, Paris).

## Publications

### Articles in journals

El-Bizri, N. 'A phenomenological account of the ontological problem of space', *Existentialia Meletai-Sophias* 12 (2002), 345-364

## In Press

### Articles in books

El-Bizri, N. 'Avicenna's *De Anima* between Aristotle and Husserl' in A.-T. Tymieniecka (ed.) *Phenomenology and Islamic Philosophy in Dialogue*, Kluwer Academic Publishers

El-Bizri, N. 'Ontopoiesis and the interpretation of Plato's *Khora*' in A.-T. Tymieniecka (ed.) *Analecta Husserliana: The Yearbook of Phenomenological Research*, Kluwer Academic Publishers

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

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

### Articles in journals

El-Bizri, N. 'Religion and measure', *Phenomenological Inquiry* 27

El-Bizri, N. 'The varieties of *Experience* in Arabic thought', *Keywords*

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* 5

### Reviews

El-Bizri, N. Review of M. Mahdi, *Alfarabi and the Foundation of Islamic Political Philosophy*, in *The Review of Metaphysics* 56

El-Bizri, N. Review of E. Casey, *Representing Place: Landscape Painting and Maps*, in *The Journal of the British Society for Phenomenology*

## Lectures and Conferences

October 2002

El-Bizri, N. 'Awaiting HPS: in-between history of science and philosophy of science', international conference on 'Histoire et philosophie des sciences: vers une nouvelle alliance?', École Normale Supérieure, Paris

November 2002

El-Bizri, N. 'La perception de la profondeur', Centre d'Histoire des Sciences et des Philosophies Arabes et Médiévales, CNRS, Paris

January 2003

El-Bizri, N. 'La phénoménologie et l'optique géométrique', international conference on 'Identité culturelle des sciences et des philosophies arabes: auteurs, oeuvres et transmissions', Académie Royale des Sciences, des Lettres et des Beaux-arts de Belgique, Facultés Universitaires Notre-Dame de la Paix, Namur/Brussels

February 2003

El-Bizri, N. 'Islam: a contemporary outlook', Eton College, Windsor

August 2003

El-Bizri, N. 'Microcosm and macrocosm: a tentative encounter between Greco-Arabic philosophy and phenomenology', 53rd Phenomenology Congress in Istanbul, held in association with *The World Phenomenology Institute*

## Jim Endersby

During the past year Jim Endersby completed and submitted his PhD ('Putting plants in their place: Joseph Hooker's philosophical botany, 1838–1865'), was elected to the Adrian Research Fellowship at Darwin College and continued to organise the Science and Literature Reading Group. In July 2002 he was awarded an Isaac Comly Martindale Fund library resident research fellowship, by the American Philosophical Society, Philadelphia, for archival research in the society's library. He was elected to the council of the Society for the History of Natural History and appointed their website coordinator ([www.shnh.org](http://www.shnh.org)). He wrote and presented four lectures on the Modern Evolutionary Synthesis in the Department, and also wrote and taught a twenty-lecture course on the history of biology from 1750 to the present at University College, London.

## Publications

### Articles in books

Endersby, J. (2003) 'Darwin on generation, pangenesis and sexual selection' in J. Hodge and G. Radick (eds.) *Cambridge Companion to Darwin*, Cambridge University Press, 69–91

## In Press

### Articles in books

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

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

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

### Reviews

Endersby, J. 'Escaping Darwin's shadow', essay review of books on Alfred Russel Wallace, *Journal of the History of Biology* (2003)

## Lectures and Conferences

July 2003

Endersby, J. 'Broad species, bottled ale and a good botanical horse: how to make yourself into a philosophical botanist', British Society for the History of Science annual meeting, St John College, York

## Patricia Fara

### Publications

#### Books

- Fara, P. (2003) *Sex, Botany and Empire: The Story of Carl Linnaeus and Joseph Banks*, Icon Books  
Fara, P. (2003) *An Entertainment for Angels: Electricity in the Enlightenment*, Columbia University Press (American edition)  
Fara, P. (2003) *An Entertainment for Angels: Electricity in the Enlightenment*, Icon Books (paperback edition)  
Fara, P. (2003) *An Entertainment for Angels: Electricity in the Enlightenment*, Icon Books (Chinese edition)  
Fara, P. (2003) *Newton: The Making of Genius*, Picador (paperback edition)  
Fara, P. (2003) *Newton: The Making of Genius*, Columbia University Press (American edition)

#### Articles in books

- Fara, P. (2003) 'Marginalized practices' in R. Porter (ed.) *The Cambridge History of Science, Volume 4: Eighteenth-century Science*, Cambridge University Press, 485-507  
Fara, P. (2003) 'Newtonianism' in *Encyclopaedia of the Enlightenment*, Oxford University Press, Vol. 3, 177-183  
Fara, P. (2003) 'Magnet and compass', 'Alan Turing' and 'Analog and digital devices' in J. Heilbron (ed.) *Oxford Companion to the History of Modern Science*, Oxford University Press

#### Articles in journals

- Fara, P. 'Face values: how portraits win friends and influence people', *Science* 299 (2003), 831-832  
Fara, P. 'Pictures of Dorothy Hodgkin', *Endeavour* 27 (2003), 85-86  
Fara, P. 'Carl Linnaeus: pictures and propaganda', *Endeavour* 27 (2003), 14-15  
Fara, P. 'Portraying Caroline Herschel', *Endeavour* 26 (2002), 123-124  
Fara, P. 'Caricatures of Dr Katterfelto', *Endeavour* 26 (2002), 81-82

#### Reviews

- Fara, P. Review of J. Douthwaite, *The Wild Girl Natural Man and the Monster: Dangerous Experiments in the Age of Enlightenment* and J. Freedman, *A Poisoned Chalice* and A. Te Heesen, *The World in a Box: The Story of an Eighteenth-Century Picture Encyclopedia*, in *History Today* 52/11 (2002), 72-73  
Fara, P. Review of G.I. Brown, *Invisible Rays: A History of Radioactivity*, in *Notes and Records of the Royal Society* 56 (2002), 395-396  
Fara, P. Review of V. Jankovic, *Reading the Skies: A Cultural History of English Weather, 1650-1820*, in *Isis* 93 (2002), 305-306

### In Press

#### Books

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

#### Articles in books

- Fara, P. 'Gowin Knight', 'Gustavus Katterfelto', 'John Desaguliers', 'Servington Savery', and 'Zachariah Williams' in *New Dictionary of National Biography*, Oxford University Press  
Fara, P. 'Multiple lives: Newtonianism, natural theology and the plurality of worlds debate' in T. Weber (ed.) *Science & Fiction II: Life on Other Stars*  
Fara, P. (2004) 'Christlicher Philosoph oder Volksheld? Die vielen Gesichter von Isaac Newton' in T. Torsten Junge (ed), *Verrückt, prophetisch, unheimlich – Ansichten wissenschaftlicher Charaktere*, Alibri Verlag Aschaffenburg

### **Articles in journals**

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

### **Reviews**

Fara, P. Review of K. Alder, *The Measure of All Things: The Seven-Year Odyssey that Transformed the World*, in *Notes and Records of the Royal Society*

Fara, P. Review of M. Beretta, *Imaging a Career in Science: The Iconography of Antoine Laurent Lavoisier*, in *Ambix*

Fara, P. Review of J.R. Millburn, *Adams of Fleet Street, Instrument Makers to King George III*, in *Metascience*

Fara, P. Review of W.R Shea, *Science and the Visual Image in the Enlightenment*, in *Annals of Science*

Fara, P. Review of J. Gleick, *Isaac Newton*, in *Science*

Fara, P. Review of W.E. Burns, *An Age of Wonders: Prodigies, Politics and Providence in England 1657-1727*, in *Isis*

Fara, P. Review of G. Pancaldi, *Volta: Science and Culture in the Age of Enlightenment* and J. Rislin, *Science in the Age of Sensibility: The Sentimental Empiricists of the French Enlightenment* and M. B. Schiffer, *Draw the Lightning Down: Benjamin Franklin and Electrical Technology in the Age of Enlightenment*, in *Times Literary Supplement*

Fara, P. Review of L.J. Davis, *Fleet Fire: Thomas Edison and the Pioneers of the Electric Revolution* and J. Jonnes, *Empires of Light: Edison, Tesla, Westinghouse, and the Race to Electrify the World*, in *Los Angeles Book Review*

## **Lectures and Conferences**

### *October 2002*

Fara, P. 'Advertising genius: images of Isaac Newton', Discovery Series, University of Cambridge

### *March 2003*

Fara, P. 'Halley's hidden depths', Dining Club of the Royal Astronomical Society, London

### *June 2003*

Fara, P. 'Edmond Halley and Victor Frankenstein', Clare College, Cambridge

Fara, P. 'Advertising genius: images of Isaac Newton', Mathematics Conference, Exeter, New Hampshire

### *August 2003*

Fara, P. 'Electricity and enlightenment', Edinburgh Book Festival

### *September 2003*

Fara, P. 'Sex, botany and empire', Café Scientifique, Leeds

Fara, P. 'Advertising genius: images of Isaac Newton', University of Cambridge

## *John Forrester*

John Forrester is the Acting Head of Department from January 2003 to December 2003. In April 2003, he was Schaffner Visiting Professor at the Franke Institute for the Humanities, University of Chicago.

## **Publications**

### **Articles in books**

Forrester, J. (2003) 'Trust, confidentiality, and the possibility of psychoanalysis' in A. Furlong (ed.) *Confidentiality, Psychoanalysis, Ethics and the Law*, The Analytic Press, 19-27

### **Reviews**

Forrester, J. 'Fun with rubber sheets', review of N. Witkowski (ed.) *Dictionnaire Culturel des Sciences*, in *Times Literary Supplement* No. 5190 (20 Sept 2002), 26

## Lectures and Conferences

January 2003

Forrester, J. 'Kuhn's exemplarity: the influence of psychoanalysis on *The Structure of Scientific Revolutions*', Psychoanalysis and the Humanities Seminar, Department of History and Philosophy of Science, University of Cambridge

March 2003

Forrester, J. 'Le cas comme un style du raisonnement chez les psychanalystes et les juristes', seminar given to Prof. Ian Hacking's seminar, Collège de France, Paris

April 2003

Forrester, J. 'Freud and the scientists: on the early reception of psychoanalysis in England in the 1920s', Klopsteg Seminar Series in Science in Human Culture, Northwestern University, Chicago

Forrester, J. "'A Sort of Devil" (Keynes on Freud): notes towards a global history of psychoanalysis', public lecture sponsored by the Franke Institute for the Humanities, University of Chicago

May 2003

Forrester, J. 'Freud in Cambridge – a new appraisal', paper given to conference, *The 'Freudian Century'? The Impact of Psycho-Analysis on Intellectual Life in Britain*, British Psycho-Analytic Society

July 2003

Forrester, J. 'The other side of Frank Ramsey: philosophy and psychoanalysis', Frank Ramsey Centenary Conference, Newnham College, Cambridge

## Marina Frasca-Spada

Marina Frasca-Spada is an Affiliated Lecturer; a member of the HPS Board and Degree Committee and of the Philosophy Faculty 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. She is also member of the Management Committee of the British Society for the History of Philosophy and co-organiser with J. Harris of a special interest group on Hume; HPS Director of Studies, Tutor and Fellow of St Catharine's College; and Philosophy Director of Studies at Pembroke and Lucy Cavendish.

## Publications

### Articles in books

Frasca-Spada, M. (2002) 'Hume' in S. Nadler (ed.) *Blackwell Companion to Early-Modern Philosophy*, Blackwell, 483-504

### Articles in journals

Frasca-Spada, M. 'The strength and vivacity of Hume's belief', *Eighteenth-Century Thought* 1

Frasca-Spada, M. Contribution to a symposium on Richard Yeo, *Encyclopaedic Visions*, in *Metascience* 11(2) (2002), 164–171

Frasca-Spada, M. 'David Hume and the she-philosophers', critical notice on A.J. Jacobson (ed.) *Feminist Interpretations of Hume*, in *Philosophical Books* 43(3) (2002), 221–226

### Edited volumes

Frasca-Spada, M. and Jardine, N. (eds.) *Kantian Philosophy and the Sciences* (special issue in memory of Gerd Buchdahl) *Studies in History and Philosophy of Science* 33/4

## In Press

### Books

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

### **Articles in books**

Frasca-Spada, M. 'Quixotic confusions and Hume's imagination' in M. Frasca-Spada and P.J.E. Kail (eds.) *Impressions of Hume*, Oxford University Press

Frasca-Spada, M. and Kail, P.J.E. 'Hume's position in the canon(s)', introduction to M. Frasca-Spada and P.J.E. Kail (eds.) *Impressions of Hume*, Oxford University Press

## **Lectures and Conferences**

*September 2002*

Co-organiser with P.J.E. Kail of the conference 'Hume Studies in Britain 2', Department of Philosophy, Edinburgh  
Frasca-Spada, M. 'Belief and animal spirits', conference 'Hume Studies in Britain 2'

*April 2003*

Frasca-Spada, M. 'Belief and animal spirits in Hume's *Treatise of Human Nature*', Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge

## *Aileen Fyfe*

Aileen Fyfe continues to be a Lecturer in the Department of History at the National University of Ireland, Galway. She has just received a substantial grant (from the Irish Research Council for Humanities and Social Sciences) to fund a postdoctoral fellow and a PhD student working on a joint project with Queen's Belfast, on 'Networks of Science and Culture in Ireland'. She is on the Editorial Board of *Science and Irish Culture*, whose first annual volume is due out later this year.

Aileen continues as Treasurer of the British Society for the History of Science. During Easter Term and the Long Vacation, she has been back in Cambridge, as a Visiting Fellow at the Centre for Research in Arts, Social Sciences and Humanities, whose theme this year has been 'The Organisation of Knowledge'.

## **Publications**

### **Books**

Fyfe, A. (2003) edited with an introduction, *Science for Children*, 7 vols, Thoemmes Press

### **Articles in journals**

Fyfe, A. 'Publishing and the classics: Paley's *Natural Theology* and the nineteenth-century scientific canon', *Studies in History and Philosophy of Science* 33 (2002), 733-755

### **Reviews**

Fyfe, A. Review of D. Livingstone et al., *Evangelicals and Science in Historical Perspective*, in *British Journal for the History of Science* 35 (2002), 113-114

Fyfe, A. Review of A. Hunter, *Thornton and Tully's Scientific Books, Libraries and Collectors* and A. Besson, *Thornton's Medical Books, Libraries and Collectors*, in *British Journal for the History of Science* 35 (2002), 358-360

Fyfe, A. Review of G. Ferngren (ed.) *The History of Science and Religion in the Western Tradition*, in *Isis* 93 (2002), 547-548

Fyfe, A. Review of A. Hessenbruch (ed.) *The Readers' Guide to the History of Science*, in *British Journal for the History of Science* 36 (2003), 88-89

Fyfe, A. Review of W.J. Astore, *Observing God*, in *British Journal for the History of Science* (2003), 100-101

## **In Press**

### **Articles in journals**

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

### **Reviews**

Fyfe, A. Review of P. Bowler, *Reconciling Science and Religion*, in *Journal of Religious History* (2003)

## Lectures and Conferences

October 2002

Fyfe, A., 'Popularising science and its history', Royal Irish Academy, Dublin

March 2003

Fyfe, A., 'Science for children', *Science and the Public: Children, Monsters and Death-Rays*, University of Aarhus

Fyfe, A., 'Popular science: technologies and sources', *Popular Science Workshop*, University of Aarhus

May 2003

Fyfe, A., 'The business of evangelicalism: the early Victorian Religious Tract Society', Religious History Seminar, University of Oxford

Fyfe, A., 'Why popularise science? Lessons from history', Royal Institution of Great Britain, London

June 2003

Fyfe, A., 'Introducing popular science in Ireland', *Popular Science in Ireland*, Queen's University of Belfast

July 2003

Fyfe, A., 'Religion and the dangers of popular science', British Society for the History of Science annual conference, York

## Axel Gelfert

In the past year, Axel Gelfert has been supported through a Gates Cambridge Scholarship.

## Publications

### Articles in journals

Gelfert, A. and Nillesen, P. 'Perception and prejudice: uncertainty and the investment in gender', *Economic and Political Weekly* Vol. 37 No. 43 (2002), 4382-4389

Gelfert, A. 'Random realism', *Navigationen: Siegener Beiträge zur Medien- und Kulturwissenschaft* Vol. 3 No. 1 (2003), 113-118 (reprinted from Foreign Policy in Focus, July 2002)

### Articles in books

Gelfert, A. (2003) 'Zeugnis und Differenz. Über die Epistemologie des Beim-Wort-Nehmens und In-Erfahrung-Bringens' in B.v. Jagow and F. Steger (eds.) *Differenzerfahrung und Selbst. Bewußtsein und Wahrnehmung in Literatur und Geschichte des 20 Jahrhunderts*, Winter Universitätsverlag, 201-221

## In Press

### Articles in journals

Gelfert, A. 'Manipulative success and the unreal', *International Studies in the Philosophy of Science*

## Lectures and Conferences

April 2003

Gelfert, A. 'Scepticism and testimonial knowledge', 27th Annual Philosophy of Science Conference, Inter-University Centre, Dubrovnik, Croatia

May 2003

Gelfert, A. 'Testimonial skepticism: worries concerning the word of others', The Free University of Amsterdam Graduate Conference in Philosophy 2003, Amsterdam, The Netherlands

September 2003

Gelfert, A. "'Like the treatment of an illness": Medizinische Motive in der analytischen Philosophie', Wissenschaftliche Tagung 'Transdisziplinarität und Methode: Repräsentationen von Medizin und Ethik in Literatur und Kunst der Moderne', Carl Friedrich von Siemens Foundation, Munich, Germany (invited talk)



# Cathy Gere

Cathy Gere is currently in Brighton on a self-appointed sabbatical from her Wellcome Trust research post at King's College, writing a book based on her dissertation for Yale University Press. This winter she will be in Greece writing a book for Profile Press on Mycenae. She will be returning to Cambridge in April 2004 for six months to finish the brain banking project. (The co-editor of the 'Brain in a Vat' special issue of *Studies C* is her brother, Charlie, whom some readers may remember from his work at the Whipple Museum in 1993.)

## Publications

### Articles in journals

Gere, C. 'Inscribing nature: archaeological metaphors and the formation of new sciences', *Public Archaeology* Vol. 2 No. 4 (2002), 195-208

### Reviews

Gere, C. Review of J. Lesley Fitton, *The Minoans*, in the *Times Literary Supplement*, 6 June 2003

## In Press

### Articles in books

Gere, C. 'J.G. Frazer' in *Dictionary of Nineteenth Century Scientists*, Thoemmes Press

### Articles in journals

Gere, C. 'A brief history of brain archiving', *Journal of the History of the Neurosciences*

Gere, C. 'Thought in a vat: thinking through Annie Cattrell', *Studies in the History and Philosophy of Biology and the Biomedical Sciences*

Gere, C. 'Necessary inhumanity: Alder Hey in historical perspective', *Studies in the History and Philosophy of Biology and the Biomedical Sciences*

### Edited volumes

Gere, C. and Gere, C. (September 2004) Special issue of *Studies in the History and Philosophy of Biology and the Biomedical Sciences* on the philosophical, cultural, historical and aesthetic aspects of 'The Brain in a Vat'

## Talks and Presentations

### December 2002

Gere, C. 'Rights of passage: Alder Hey in historical perspective', Bioethics Forum, University of Cambridge

# Jeremy Gray

Jeremy Gray was a co-organiser (with Professor Karen Parshall, Virginia) of a week-long workshop on the history of modern algebra held at the Mathematical Sciences Research Institute, Berkeley. In April 2003, he was appointed to the Advisory Board of the Oral History Project of the Mathematical Sciences Research Institute, Berkeley.

## Publications

### Books

Gray, J.J. (2003) *Le Défi de Hilbert*, Introduction de Pierre Cartier, Dunod, Paris (translation of *The Hilbert Challenge*, Oxford University Press (2000); the Chinese edition also came out in 2003)

Gray, J.J. (2003) *Linear Differential Equations and Group Theory from Riemann to Poincaré*, Birkhäuser (Japanese edition)

## In Press

### Books

Gray, J.J. (2003) Introduction, commentary and additional material in the re-edition of R.W. Dunnington, *Gauss – Titan of Science*, Mathematics Association of America

Gray, J.J. (2003) *Bolyai and Geometry*, Dibner Institute, MIT Press

#### **Articles in books**

Gray, J.J. (2003) 'Gauss and non-Euclidean geometry', in E. Molnar and A. Prekopa (eds.) *Proceedings of the Conference on the 200th Anniversary of the Birth of Janos Bolyai, Budapest, Hungary, July 2002*, Kluwer

Gray, J.J. (2003) 'Poincaré – between physics and philosophy', in M. Friedman and A. Nordmann, (eds.) *Kant and the Exact Sciences*, Dibner Institute Press, MIT

Gray, J.J. (2003) '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. (2003) 'Lafforgue' and 'Voevodsky', two signed articles on the Fields Medallists 2002, in *Encyclopaedia Britannica*

Gray, J.J. (2003) 'A.R. Forsyth', in J. Richards (ed.) *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press

Gray, J.J. (2003) '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

#### **Articles in journals**

Gray, J.J. 'Anxiety and Abstraction in Nineteenth-Century Mathematics', *Science in Context* (2004)

### **Lectures and Conferences**

#### *April 2003*

Gray, J.J. 'Macaulay and algebraic geometry', Mathematical Sciences Research Institute, Berkeley

#### *May 2003*

Gray, J.J. 'The history of mathematics in the last 40 years', 10th re-union of Dibner Institute Fellows, MIT

Gray, J.J. 'Non-Euclidean déjà vu', Oxford Mathematical Colloquium, University of Oxford

#### *July 2003*

Gray, J.J. 'Galison's *Einstein's clocks and Poincaré's maps*', Oberwolfach, Germany

## *Nick Hopwood*

Nick Hopwood has completed his two-year Wellcome-funded research leave, working on 'Embryos, ancestors and the unborn: Visualizing human origins, 1790–1950'. He was a visiting scholar at the Max Planck Institute for the History of Science, Berlin in May and June 2003.

### **In Press**

#### **Books**

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

#### **Articles in books**

Hopwood, N. 'Embryology' in P.J. Bowler and J.V. Pickstone (eds.) *The Cambridge History of Science*, Vol. 6: *Earth, Life and Biomedical Sciences, 1800–2000*, Cambridge University Press

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

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

#### **Reviews**

Hopwood, N. Review of A.W. Daum, *Wissenschaftspopularisierung im 19. Jahrhundert. Bürgerliche Kultur, naturwissenschaftliche Bildung und die deutsche Öffentlichkeit, 1848–1914*, in *Bulletin of the German Historical Institute London*

## Lectures and Conferences

*February 2003*

Hopwood, N. 'Model embryos', Milner Society, Queens' College, Cambridge

*March 2003*

Hopwood, N. 'Ernst Haeckel's pictures of embryos: a Darwinist fraud?', University of Kent at Canterbury

*July 2003*

Hopwood, N. 'How were Haeckel's drawings of embryos made controversial?', ISHPSSB meeting, Vienna

*September 2003*

Hopwood, N. 'Embryos in wax', Swedish Cardiovascular Conference, St John's College, Cambridge

# Annette Imhausen

## Publications

### Books

Steele, J.M. and A. Imhausen (eds.) (2002) *Under One Sky: Astronomy and Mathematics in the Ancient Near East* (Alter Orient und Altes Testament 297), Ugarit Verlag

Imhausen, A. (2003) *Ägyptische Algorithmen. Eine Untersuchung zu den mittelägyptischen mathematischen Aufgabentexten* (Ägyptologische Abhandlungen 65), Harrassowitz Verlag

### Articles in books

Imhausen, A. (2002) 'The algorithmic structure of the Egyptian mathematical problem texts' in J.M. Steele and A. Imhausen (eds.) *Under One Sky: Astronomy and Mathematics in the Ancient Near East* (Alter Orient und Altes Testament 297), Ugarit Verlag, 147-166

Imhausen, A. (2003) 'Zahl, II. Ägypten' in H. Cancik and H. Schneider (eds.) *Der Neue Pauly Enzyklopädie der Antike, Vol. 12/2 Ven-Z*, Metzler, 668-669

### Articles in journals

Imhausen, A. 'Calculating the daily bread: rations in theory and practice', *Historia Mathematica* 30 (2003), 3-16

## In Press

### Articles in journals

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

## Lectures and Conferences

*November 2002*

Imhausen, A. 'Egyptian mathematical texts: algorithms to teach mathematics', Séminaire d'Histoire des Mathématiques, UMR 7596, REHSEIS, CNRS, Paris

*December 2002*

Imhausen, A. 'The mathematics in the Reisner Papyri: practical calculations versus educational mathematics', British Society for the History of Mathematics Christmas Meeting, London

*February 2003*

Imhausen, A. 'Egyptian mathematics', Centre for the History of Mathematical Sciences, Open University, Milton Keynes

# Nick Jardine

Nick Jardine continued to serve as departmental Director of Graduate Studies and as a member of the Botanic Garden Syndicate. With Marina Frasca-Spada he 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 Jenny Downes he has continued to organise the Latin Therapy Group, in which classicists, medievalists and early-modernists from HPS and allied departments hone their Latinity while enjoying natural philosophical and medical texts.

## Publications

### Books

Eagleton, C., Downes, J., Harloe, K., Jardine, B., Jardine, N. and Mosley, A. (2003) *Instruments of Translation*, Whipple Museum of the History of Science

### Articles in journals

Jardine, N. 'Zilsen's dilemma', essay review of E. Zilsel, *The Social Origins of Modern Science* (ed. by D. Raven, W. Krohn and R.S. Cohen) in *Annals of Science* 59 (2002), 85–94

Jardine, N. 'Editorial preface' in *Kantian Philosophy and the Sciences* (special issue in memory of Gerd Buchdahl) *Studies in History and Philosophy of Science* 34/1, 1–4

Jardine, N. "'Argument be damned, it's the picture that counts": Gerd Buchdahl's hermeneutic philosophy of science' in *Kantian Philosophy and the Sciences* (special issue in memory of Gerd Buchdahl) *Studies in History and Philosophy of Science* 34/1, 183–208

Jardine, N. 'Gerd Buchdahl's writings in history and philosophy of science: a list of publications, unpublished works, and annotated work' in *Kantian Philosophy and the Sciences* (special issue in memory of Gerd Buchdahl) *Studies in History and Philosophy of Science* 34/1, 209–227

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

### Edited volumes

Jardine, N. and Frasca-Spada, M. (eds.) *Kantian Philosophy and the Sciences*, special issue of *Studies in History and Philosophy of Science* in memory of Gerd Buchdahl, 34/1

## In Press

### Articles in books

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

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

### Articles in journals

Jardine, N., Mosley, A. and Tybjerg, K. 'Epistolary culture, editorial practices, and Tycho Brahe's *Astronomical Letters*', *Journal for the History of Astronomy*

# Richard Jennings

## Publications

### Reviews

Jennings, R.C. 'Genetic technology – informing the public', review of GeneWatch UK, *Animal Organs for Humans: The Science and Ethics of Xenotransplantation* (Briefing Number 19) June 2002, *Animal Cloning: Industrialising Animals?* (Briefing Number 20) August 2002, *Genetic Modification: The Need for Special Regulation* (Briefing Number 21) January 2003, and *Genetic Technologies: A Review of Developments in 2002* (Briefing Number 22) February 2003, in *Scientists for Global Responsibility Newsletter* 27 (2003), 11–12

### **Letters to the Editor**

Jennings, R.C. 'Let the credits role', *Times Higher Education Supplement*, 3 January 2003

### **In Press**

#### **Reviews**

Jennings, R.C. Review of F. Stadler, *The Vienna Circle: Studies in the Origins, Development and Influence of Logical Empiricism*, in *History of Philosophy of Science Newsletter* (2003)

Jennings, R.C. 'Ethics and human genetics – a resource,' review of Human Genetics Alert, *Why Should I be Concerned About Human Genetics?* in *Scientists for Global Responsibility Newsletter* (2003)

### **Lectures and Conferences**

#### *February 2003*

Jennings, R.C. 'Entitlement cards and ethics', presentation to the Ethics Expert Panel of the British Computer Society

## *Peter M. Jones*

From August 2002 to June 2003, Peter Jones was Beinecke-Whitney Fellow at Yale University. One research project was to compile a database catalogue of texts on science and medicine before 1500 in manuscripts at Yale. The two principal sources were the Beinecke Library and the Cushing/Whitney Medical Library at Yale. The great strengths of these two collections are the Mellon alchemical manuscripts and the medical manuscripts given by Harvey Cushing, including the superb Paneth codex. Peter Jones also worked on the use of images in medicine, and in April 2004 several exhibitions related to this theme will open at Yale, together with an international symposium on 'The Art of Medicine'.

### **Publications**

#### **Articles in books**

Jones, P.M. (2002) 'Staying with the programme: illustrated manuscripts of John of Arderne, c.1380-c.1550' in A.S.G. Edwards (ed.) *English Manuscript Studies*, vol.10, *Decoration and Illustration in Medieval English Manuscripts*, 204-227

#### **Articles in journals**

Jones, P.M. 'King's College Library', *Journal of the Early Book Society* 6 (2003), 217-219

### **In Press**

#### **Articles in books**

Jones, P.M. (2003) 'The surgeon as story-teller' in D. Renevey (ed.) *Writing and Disease*

### **Lectures and Conferences**

#### *October 2002*

Jones, P.M. 'Extending e-TK: an electronic catalogue of manuscripts of science and medicine', Twenty-Ninth Annual Saint Louis Conference on Manuscript Studies

#### *February 2003*

Jones, P.M. 'What makes illustration medical in the Middle Ages?', College Art Association, New York

#### *March 2003*

Jones, P.M. 'When pictures make us feel better – then and now', Berkeley College, Yale

#### *April 2003*

Jones, P.M. 'Word and image in medieval medicine', Department of History of Art and Architecture, University of Pittsburgh

Jones, P.M. 'Herbs and the medieval surgeon', 'Health and Healing in the Medieval Garden' conference, Center for Medieval Studies, Pennsylvania State University

Jones, P.M. "'Quintessence works a hundred times better...": alchemy and the medical practitioner before Paracelsus', *History of Medicine and History of Science*, Yale University

*May 2003*

Jones, P.M. 'Word and image in medieval medicine', 38th International Congress on Medieval Studies, Kalamazoo, Michigan

*June 2003*

Jones, P.M. 'Picturing medicine in the age of Petrarch', 'Petarcarca e la Medicina' conference, Università degli Studi di Messina, Sicily

## *Lauren Kassell*

Lauren Kassell has been promoted to a lectureship from October 2003. She has been awarded membership of the Institute for Advanced Study, Princeton for the academic year 2003-4.

### **Publications**

#### ***Online***

Kassell, L. 'Magic', *Routledge Encyclopedia of Philosophy*, on-line edition

### **In Press**

#### ***Books***

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

### **Lectures and Conferences**

*April 2003*

Kassell, L. 'The economy of magic in early modern England', *The Magic of Things*, Princeton University

## *Martin Kusch*

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

### **Publications**

#### ***Articles in books***

Kusch, M. (2003) 'Meaning, finitism and truth' in K. Korta and J.M. Larrazabal (eds.) *Truth, Rationality, Cognition and Music*, Kluwer, 69-85

Kusch, M. (2003) 'Psychologism and sociologism in early twentieth-century German-speaking philosophy' in D. Jacquette (ed.) *Philosophy, Psychology and Psychologism*, Kluwer, 131-155

#### ***Reviews***

Kusch, M. 'Metaphysical déjà vu: Hacking and Latour on science studies and metaphysics', *Studies in History and Philosophy of Science* 33 (2003), 639-647

## In Press

### Articles in books

- Kusch, M. 'Explanation and understanding: von Wright's philosophy of action' in I. Niiniluoto and L. Haaparanta (eds.) *Philosophy in Finland*
- Kusch, M. 'Hintikka on Heidegger and truth' in L. Hahn (ed.) *Jaakko Hintikka* (Library of Living Philosophers)

## Lectures and Conferences

### December 2002

Kusch, M. 'Wissen aus zweiter Hand: Anmerkungen zu den Zeugnissen', Department of Philosophy, ETH Zurich

### January 2003

Kusch, M. 'Dispositions and meaning: defending Kripke's Wittgenstein', Department of Philosophy, University of British Columbia, Vancouver, Canada

### April 2003

Kusch, M. 'Internal relations and causal explanations', Department of History and Philosophy of Science, Melbourne University, Australia

Kusch, M. 'Theories and institutions', Department of History and Philosophy of Science, Melbourne University, Australia

### May 2003

Kusch, M. 'Ethnomethodology or sociology of scientific knowledge: the Bloor-Lynch debate revisited', Department of Philosophy, University of East Anglia, Norwich

Kusch, M. 'The Pyrrhonian Epoche and Kripke's sceptical solution', Wittgenstein Workshop, Department of Philosophy, University of East Anglia, Norwich

Kusch, M. 'Dispositions and meaning: defending Kripke's Wittgenstein', King's College, Cambridge

Kusch, M. 'Dispositions and meaning: defending Kripke's Wittgenstein', Birkbeck College, London

### June 2003

Kusch, M. 'Ethnomethodology or sociology of scientific knowledge: the Bloor-Lynch debate revisited', Philosophy Workshop, Department of History and Philosophy of Science, University of Cambridge

## Sachiko Kusukawa

Sachiko Kusukawa is Team Leader in a four-year project, *From Natural Philosophy to Science 1200-1700*, funded by the European Science Foundation, and will be organizing four workshops on the relationship between the contexts and contents of natural philosophy for the next four years.

## Publications

### Articles in journals

Kusukawa, S. 'Nineteenth-Annual Bainton Lecture: Melanchthon's life of Erasmus (1557)', *Erasmus of Rotterdam Society Yearbook* 23 (2003), 1-24

### Reviews

Kusukawa, S. Review of M. Feingold, J.S. Freedman and W. Rother (eds.) *The Influence of Petrus Ramus: Studies in Sixteenth and Seventeenth Century Philosophy and Sciences*, in *Early Science and Medicine* 8-1 (2003), 72-74

## In Press

### Articles in books

Kusukawa, S. 'The uses of philosophy in Reformation thought: Melanchthon, Schegk and Crellius' in R.L. Friedman and L. Nielsen (eds.) *Metaphysics and Modal Logic in Late Medieval and Early Modern Times*, The New Synthese Historical Library, Kluwer

- Kusukawa, S. 'Medical knowledge in Western Europe at 1500' in P. Elmer (ed.) *The Healing Arts: Health, Disease and Society in Europe 1500-1800*
- Kusukawa, S. 'Medical Renaissance: Vesalius and blood-letting' in P. Elmer (ed.) *The Healing Arts: Health, Disease and Society in Europe 1500-1800*
- Kusukawa, S. 'Nature's regularity in some Protestant textbooks 1530-1630' in L. Daston and M. Stollberg (eds), *Laws of Nature*

#### **Reviews**

- Kusukawa, S. Review of I. Maclean, *Logic, Signs and Nature in the Renaissance*, in *History*
- Kusukawa, S. Review of J. Loehr (ed.) *Dona Melanchthoniana: Festgabe für Heinz Scheible zum 70. Geburtstag*, and T. Dieter, *Der junge Luther und Aristoteles. Eine historisch-systematische Untersuchung zum Verhältnis von Theologie und Philosophie*, in *Journal of Ecclesiastical History*

### **Lectures and Conferences**

May 2003

- Kusukawa, S. 'Early modern calendars: the astronomical revolution?', Open University, Milton Keynes

## *John Latsis*

John Latsis has just completed the second year of his PhD.

### **Lectures and Conferences**

March 2003

- Latsis, J. 'The arbitrary economy', Workshop on Realism and Economics, University of Cambridge

## *Tim Lewens*

In October 2002 Tim Lewens gave up his research fellowship to take up a new post as University Lecturer in the HPS department. He remains a fellow of Clare College. He continues to organise and to chair the Cambridge Bioethics Forum, and the Departmental Philosophy Workshop. He remains Reviews Editor for *Studies in History and Philosophy of Biological and Biomedical Sciences*.

### **Publications**

#### **Articles in journals**

- Walsh, D., Lewens, T., and Ariew, A. 'The trials of life: natural selection and random drift', *Philosophy of Science* 69 (2002), 429-446

#### **Reviews**

- Lewens, T. Review of P.S. Davies, *Norms of Nature: Naturalism and the Nature of Functions*, in *Mind* 443 (2002), 657-662

### **In Press**

#### **Books**

- Lewens, T. (2004) *Organisms and Artifacts: Design in Nature and Elsewhere*, MIT Press

#### **Articles in books**

- Lewens, T. (2004) 'Seven types of adaptationism' in D.M. Walsh (ed.) *Twenty-Five Years of Spandrels*, Oxford University Press

#### **Articles in journals**

- Lewens, T. 'Prospects for evolutionary policy' *Philosophy* 78 (2003), 483-502
- Lewens, T. 'What is genethics?', *Journal of Medical Ethics*



Lewens, T. 'The commercial exploitation of ethics', *Studies in History and Philosophy of Biological and Biomedical Sciences*

### **Reviews**

Lewens, T. Review of J. Dupré, *Humans and Other Animals*, in *Mind*

## **Lectures and Conferences**

### *September 2002*

Lewens, T. 'Technological evolution: good news, bad news and speculation', Green College, University of British Columbia.

### *January 2003*

Lewens, T. 'Is science value-laden?', Hills Road Sixth Form College, Cambridge

Lewens, T. 'Seven types of adaptationism', University of Bristol, Department of Philosophy

### *April 2003*

Lewens, T. 'Realism and the strong programme', International Conference in the Philosophy of Science, Dubrovnik, Croatia

### *May 2003*

Lewens, T. 'Disease', William Harvey Research Institute, London

### *June 2003*

Lewens, T. 'Health in nature and society', Cambridge Bioethics Forum, King's College, Cambridge

### *July 2003*

Lewens, T. 'What are natural inequalities?', International Society for Historical, Philosophical and Sociological Studies of Biology, Konrad Lorenz Institute, Vienna

Lewens, T. 'Genetic testing: a question of ethics?', Science Summer School, University of Cambridge

### *September 2003*

Lewens, T. 'Genes and justice', Alumni Weekend, University of Cambridge

## *Peter Lipton*

Peter Lipton remained Head of the Department and continued to serve on the University's General Board and to chair its Personnel Committee for Michaelmas Term 2002; he then disappeared on leave. He served as Advisor 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 chaired the Nuffield Council on Bioethics working party on pharmacogenetics and was a member of its Council. In 2004 he will be Medawar Lecturer of the Royal Society and will give one of the Cambridge Darwin Lectures.

## **Publications**

### **Reports**

Lipton, P. et al (2003) *Pharmacogenetics: Ethical Issues*, Nuffield Council on Bioethics

### **Articles in books**

Lipton, P. (2001) 'History of empiricism', *International Encyclopedia of the Social and Behavioral Sciences*, Pergamon, 4481-4485

### **Articles in journals**

Lipton, P. 'The reach of the law', *Philosophical Books* 43 (2002), 254-260

### **Reviews**

Lipton, P. Review of C. Howson, *Hume's Problem: Induction and the Justification of Belief*, in *The British Journal for the Philosophy of Science* 53 (2002), 579-583

Lipton, P. Review of J. Ziman, *Real Science: What it is and What it Means*, in *Notes and Records of the Royal Society* 57 (2003), 108-111

### **In Press**

#### **Books**

Lipton, P. (2004) *Inference to the Best Explanation*, 2nd Edition, Routledge

#### **Articles in books**

Lipton, P. 'Philosophy of science' in S. Priest and A. Flew, *A Dictionary of Philosophy*

Lipton, P. 'Abduction' in S. Sarkar (ed.) *The Philosophy of Science: An Encyclopedia*, Routledge

Lipton, P. 'Accepting contradictions' in R. Young and P. Clark (eds.) *Van Fraassen's Philosophy of Science*, Mind Association

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

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

Lipton, P. 'What good is an explanation?' in J. Cornwell (ed.) *Understanding Explanation*, Oxford University Press

Lipton, P. 'Inference to the best explanation' in D. Borchert (ed.) *Encyclopedia of Philosophy*, Macmillan

#### **Articles in journals**

Lipton, P. 'Epistemic options', *Philosophical Studies*

### **Lectures and Conferences**

#### *September 2002*

Lipton, P. 'Does science tell the truth?', BP Programme, Cambridge

Lipton, P. 'The philosophy of science in the teaching of science', Homerton College Cambridge

#### *November 2002*

Lipton, P. 'Cambridge admissions', AJ6, London

#### *January 2003*

Lipton, P. 'Prediction and prejudice', The Uppingham School

#### *February 2003*

Lipton, P. 'The explanationist and the Bayesian should be friends', Jowett Society, University of Oxford

Lipton, P. 'The knowledge argument', The Perse School

#### *March 2003*

Lipton, P. 'Invisible knowledge', Hills Road Sixth Form College

Lipton, P. 'Scientific means and scientific ends', Programme for Interdisciplinary Design for the Build Environment, University of Cambridge

#### *June 2003*

Lipton, P. 'Science and values', Institute of Ideas Conference on Ideas, Intellectuals and the Public, London

#### *July 2003*

Lipton, P. 'Time, distance and truth', University of Cambridge Science Summer School

Lipton, P. 'The structure of a university', University of Groningen Summer Academy, Cambridge

Lipton, P. 'The truth about science', University of Groningen Summer Academy, Cambridge

Lipton, P. 'Will the sun rise tomorrow?', Aiming Higher Summer School, University of Cambridge

Lipton, P. 'Will the sun rise tomorrow?', HE Summer School, HEFCE, University of Cambridge

#### *August 2003*

Lipton, P. 'Will the sun rise tomorrow?', GEEMA Summer School, University of Cambridge

# Geoffrey Lloyd

## Publications

### Books

Lloyd, G.E.R. (2002) *The Ambitions of Curiosity*, Cambridge University Press

Lloyd, G.E.R. and Sivin, N. (2002) *The Way and the Word*, Yale University Press

Lloyd, G.E.R. (2003) *In the Grip of Disease: Studies in the Greek Imagination*, Oxford University Press

### Articles in books

Lloyd, G.E.R. (2003) 'Literacy in Greek and Chinese science' in H. Yunis (ed.) *Written Texts and the Rise of Literate Culture*, Cambridge University Press, 122-138

Lloyd, G.E.R. (2003) 'Les concepts de vérité en Grèce et en Chine anciennes: perspectives et implications comparatives' in J.P. Changeux (ed.) *La Vérité dans les Sciences*, Collège de France/Odile Jacob, 49-60

Lloyd, G.E.R. (2003) 'The problem of metaphor: Chinese reflections' in G.R. Boys-Stones (ed.) *Metaphor, Allegory and the Classical Tradition*, Oxford University Press, 101-114

## In Press

### Books

Lloyd, G.E.R. *Ancient Worlds, Modern Reflections*, Oxford University Press

## Lectures and Conferences

### October 2002

Lloyd, G.E.R. 'Universities: their histories and responsibilities', Tohoku University, Sendai

Lloyd, G.E.R. 'Disease and the Greek imagination', Chiba University, Chiba

Lloyd, G.E.R. 'The ambiguities of purification in Greek medicine and culture', Keio University Tokyo

Lloyd, G.E.R. 'Plato and the grip of disease on the Greek imagination', Gakushuin University, Tokyo

Lloyd, G.E.R. 'Individuals and institutions in Greek and Chinese science', University of Kyoto, Kyoto

### May 2003

Lloyd, G.E.R. 'Sensibilia and cross-cultural universals', Conference on Sensibilia, Faculty of Classics, University of Cambridge

### June 2003

Lloyd, G.E.R. 'Case-histories in ancient medicine', Second Ungaretti Lecture, University of Pavia, Italy

Organised and gave introductory talk to workshop 'Chinese Logic: the Gongsun Longzi', Needham Research Institute, Cambridge

# Helen Macdonald

## Publications

### Articles in journals

Macdonald, H. "'Not what God hath wrought": non-biological considerations in the hybrid raptor debate', *The Falconer* xii (2002), 63-71

## In Press

### Books

Macdonald, H.J. (2004) *The Falcon*, Reaktion Books

### Articles in books

Macdonald, H.J. (2004) Biographical entries in B. Lightman (ed.) *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press

## Lectures and Conferences

*October 2002*

Macdonald, H.J. 'Introducing environmental history', Research Methods Seminar, Department of History and Philosophy of Science, University of Cambridge

*November 2002*

Macdonald, H.J. "'Rock birds and beach blonds": falcon trapping, falconry and bird banding in east-coast America', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

*November 2002*

Macdonald, H.J. 'Is it a bird? Is it a plane? Ornithology and the wartime sciences of bird and aircraft recognition', Edward Grey Institute for Field Ornithology, Department of Zoology, University of Oxford

*March 2003*

Macdonald, H.J. 'Rock birds and beach blonds: mid-twentieth century falcon-trapping cultures of east-coast America', Job Talk, Department of History and Philosophy of Science, University of Cambridge

*July 2003*

Macdonald, H.J. Paper on the Peregrine Falcon (*Falco peregrinus*) for the session 'Endangered Species, Threatened Paradigms', Conference of the International Society for the History, Philosophy and Social Studies of Biology, Vienna

## Scott Mandelbrote

Scott Mandelbrote continues to lecture for the Natural and Moral Philosophies paper for Part II and serves on the Departmental Board. He is a Fellow and Director of Studies in History at Peterhouse, where he is also Admissions Tutor. In 2002, he became a Newton Trust Lecturer in the Faculty of History. During the vacations in the coming academic year, he will be a Visiting Scholar at the Max-Planck-Institut für Wissenschaftsgeschichte in Berlin.

## Publications

### *Articles in books*

- Mandelbrote, S. (2002) 'Croyance religieuse et enjeux politiques de la tolérance à la fin du XVIIe siècle' in Y.-C. Zarka, F. Lessay and J. Rogers (eds.) *Les Fondements Philosophiques de la Tolérance*, 3 vols, Presses Universitaires de France, vol. 1, 9-36
- Mandelbrote, S. (2002) 'Newton and eighteenth-century Christianity' in I.B. Cohen and G. Smith (eds.) *The Cambridge Companion to Newton*, Cambridge University Press, 409-430
- Mandelbrote, S. (2003) 'The Bible and didactic literature in early modern England' in N. Glaisyer and S. Pennell (eds.) *Didactic Literature in England 1500-1800: Expertise Constructed*, Ashgate, 19-39

### *Articles in journals*

- Mandelbrote, S. 'Footprints of the lion: at work on the exhibition', *Newsletter of the British Society for the History of Mathematics* 46 (2002), 5-9

### *Reviews*

- Mandelbrote, S. Review of J. van den Berg, *Religious Currents and Cross-Currents*, in *Pietismus und Neuzeit* 28 (2002), 287-289
- Mandelbrote, S. Review of M.B. Hall, *Henry Oldenburg*, in *Notes and Records of the Royal Society of London* 56 (2002), 389-390
- Mandelbrote, S. Review of P. Fara, *Isaac Newton: The Making of Genius*, in *American Scientist*, March-April 2003, 184

## Lectures and Conferences

*October 2002*

Mandelbrote, S. 'What was Hutchinsonianism?', Cambridge Historical Society

*November 2002*

Mandelbrote, S. 'Seventeenth-century medical practice and the resurrection of Anne Green', Department of History and Philosophy of Science, University of Cambridge

*February 2003*

Mandelbrote, S. 'The 1936 Sotheby sale and its impact on the study of Isaac Newton's manuscripts', Spalding Gentlemen's Society

Mandelbrote, S. 'Patristik-Forschung und "Philosophia perennis" bei Isaac Newton', Melancthonhaus, Bretten

Mandelbrote, S. 'John Hutchinson and the Trinitarian assault on Newtonianism', University of Sussex

*April 2003*

Mandelbrote, S. 'Some local contexts for Robert Lowth's *De sacra poesi hebraeorum*', Sacred Conjectures conference, University of Oxford

*May 2003*

Mandelbrote, S. 'The study of the Septuagint in early modern Europe', The Grinfield Lectures for 2002-3, University of Oxford

## Neil C. Manson

Neil Manson has been working on a Wellcome Trust sponsored research project on 'Informed Consent and Genetic Information'. The project addresses whether current consent procedures are adequate to ethically justify genetic testing and research, particularly when one takes into account the fact that genetic information can apply to related family members whilst informed consent procedures tend to be tailored to individual consent.

## Publications

### *Articles in journals*

Manson, N.C. 'Consciousness-dependence and the explanatory gap: review discussion of J. Levine's *Purple Haze*', *Inquiry* 45, 4 (2002)

Manson, N.C. 'Freud's own blend: functional analysis, idiographic explanation and the extension of ordinary psychology', *Proceedings of the Aristotelian Society* (2003)

## In Press

### *Articles in books*

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

### *Articles in journals*

Manson, N.C. 'Brains, vats and neurally-controlled animats', *Studies in History and Philosophy of Science*

Manson, N.C. 'Presenting behavioural genetics: spin, ideology and our narrative interests', *Journal of Medical Ethics* (2003)

## Lectures and conferences

*February 2003*

Manson, N.C. 'The medium and the message: tissue samples and data protection legislation', Bradford Hill Seminar, Institute of public health, Addenbrooke's Hospital, Cambridge

Manson, N.C. 'Freud's own blend: functional analysis, idiographic explanation, and the extension of ordinary psychology', The Aristotelian Society, London.

March 2003

Manson, N.C. 'Genetic information, regulation, and anti-exceptionalism', Regulation, Information and Genetics Workshop, King's College, Cambridge

Manson, N.C. 'Intellectual property: a philosopher's review', Roundtable on the bioethical issues of intellectual property rights, Faculty of Law, University of Cambridge

May 2003

Manson, N.C. 'State consciousness and phenomenal consciousness: some problems', Workshop on consciousness and intentionality, King's College, Cambridge

September 2003

Manson, N.C. 'Informed consent, trust and testimony', Workshop on testimony, trust and action, King's College, Cambridge

## Joan Mason

On 8 July 2003, Joan Mason was awarded the MBE for services to women in science.

Joan Mason is a member of the IUHPS/DHS Commission on Women in the History of Science. She is part of a three-year Mentoring Project (2002-2004) for women in science, engineering and technology, run by the Association for Women in Science and Engineering and the Women's Engineering Society and funded by the OST/DTI.

### Publications

#### Reviews

Mason, J. Review of K. Neeley, *Mary Somerville: Science, Illumination and the Human Mind*, in *Times Higher Education Supplement*, 6 September 2002, p.34

### In Press

#### Articles in books

Mason, J. 'Hertha Ayrton (1854-1923)' in N. Byers (ed.) *Contributions of Twentieth Century Women to Physics*, Institute of Physics Publishing

Mason, J. 'Marjory Stephenson (1885-1948)', 'Hertha Ayrton (1854-1923)', Marion Greenwood Bidder (1862-1932)' and 'George Parker Bidder (1863-1953)' in *New Dictionary of National Biography*, Oxford University Press

#### Articles in journals

Mason, J. 'Rosalind Franklin's discovery of the double helical structures of DNA', *Notes and Records of the Royal Society*

### Lectures and Conferences

June 2003

Mason, J. 'Women academicians: why so few?', conference on *Women Scientists and Institutions*, Masaryk College, Czech Technical University, Prague

## Stephen Mason

### Publications

#### Books

Mason, S.F. (2001) *Bilimer tarihi*, Ankara, Ministry of Culture (Turkish edition of *The History of the Sciences* (1962), translated by U. Daybelge)

Mason, S.F. (2002) Contribution to M. Hargettai (ed.) *Candid Science III: Conversation with More Famous Chemists*, Imperial College Press

# Michela Massimi

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

## In Press

### Articles in journals

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

Massimi, M. and Redhead, M. 'Weinberg's proof of the Spin-Statistics theorem', *Studies in History and Philosophy of Modern Physics*

Massimi, M. 'Non-defensible middle ground for experimental realism: why we are justified to believe in coloured quarks', *Philosophy of Science*

## Lectures and Conferences

### July 2003

Massimi, M. 'Non-defensible middle ground for experimental realism: why we are justified to believe in coloured quarks', contributed paper at British Society for the Philosophy of Science Annual Conference, Queen's University, Belfast

### August 2003

Massimi, M. 'Non-defensible middle ground for experimental realism: why we are justified to believe in coloured quarks', contributed paper at XII International Congress of Logic, Methodology and Philosophy of Science, University of Oviedo, Spain

# Anna-K. Mayer

Anna Mayer completed her PhD on 'Roots of the history of science in Britain, 1916-1950'. This autumn, she will start a 3-year postdoc in the History Department at the University of Gainesville, Florida, where she will be working on scientific polymathy in the 20th century within an international research project that is sponsored by the Volkswagen Stiftung.

## Publications

### Books

Mayer, A.K. et al. (eds.) *The Correspondence of Charles Darwin*, vol. 13, Cambridge University Press

### Articles in journals

Mayer, A.K. 'Fatal mutilations: educationism and the British background to the 1931 International Congress for the History of Science and Technology', *History of Science* 40 (2002), 445-472

## In Press

### Articles in journals

Mayer, A.K. 'Setting up a discipline, II: British history of science and "the end of ideology", 1931/1948', *Studies in History and Philosophy of Science*

### Articles on the web

Mayer, A.K. 'The avalanches of history: Newton in the first half of the twentieth century', Newton Project at <http://www.newtonproject.ic.ac.uk/>

## Lectures and Conferences

*February 2003*

Mayer, A.K. 'Inventing the historian of science in interwar Britain: historical science pedagogy and the Department for the History and Methods of Science at UCL', Centre for the History of Science, Technology and Medicine, Imperial College, London

*May 2003*

Mayer, A.K. 'History of science and "the end of ideology", 1931/1948', Department for the History and Philosophy of Science, University of Cambridge

Mayer, A.K. 'Singer, Pollard and the neglect of science: the two cultures at UCL', Department for Science and Technology Studies, University College, London

*July 2003*

Mayer, A.K. 'Reluctant technocrats: science promotion in the neglect-of-science debate, 1916-18', Summer Conference on 'Science, its advocates and adversaries', Institute of Contemporary British History, London

## *John McMillan*

John McMillan joined the department in October 2002. He serves as an associate editor for *The Journal of Medical Ethics* and on the executive committee of the *Society for Applied Philosophy*. He is an Associate Fellow of the Oxford Centre for Ethics and Communication in Health Care, University of Oxford.

## Publications

### *Articles in journals*

Hope, T. and McMillan, J. 'Ethical problems before conception', *The Lancet* Vol. 361 No. 9375 (2003), 2093-2166

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

McMillan, J. and Hope, T. 'Gametes, money, and egg sharing', *The Lancet* Vol. 362 August 16 (2003), 584

### *Reviews*

McMillan, J. and Parker, M. Review of Murray and Mehlman, *Encyclopedia of Ethical, Legal and Policy Issues in Biotechnology*, in *The Journal of Medical Ethics* (2003)

## In Press

### *Articles in books*

McMillan, J. 'Sex selection' in *The Encyclopedia of Bioethics*

### *Articles in journals*

Tan, J. and McMillan, J. 'The discrepancy between the legal definition of capacity and the British Medical Association's Guidelines', *The Journal of Medical Ethics* (2003)

McMillan, J. and Conlon, C. 'Developing world research and the Nuffield Council's Report', *The Journal of Medical Ethics* (2003)

Hope, T. and McMillan, J. 'Challenge studies of human volunteers: ethical issues', *The Journal of Medical Ethics*

## Lectures and Conferences

*October 2002*

McMillan, J. 'Identity, self and dementia', Royal College of Psychiatrists conference, Newcastle-upon-Tyne

*March 2003*

McMillan, J. 'Human dignity and the *ordre public* exception to patenting DNA', Faculty of Law, University of Cambridge



May 2003

McMillan, J. 'Brentano on mental and physical phenomena', Consciousness and Intentionality workshop, King's College, Cambridge

June 2003

McMillan, J. 'Dangerous severe personality disorder and preventative detention: is there a public health justification?', Royal Institute of Philosophy public seminar, Keele University

McMillan, J. 'Why we should be cautious about empirical ethics', Empirical ethics workshop, Sosterburg, The Netherlands

## James Moore

### Publications

#### Articles in books

Moore, J. 'Charles Darwin' in G.B. Ferngren (ed.) *Science and Religion: A Historical Introduction*, Johns Hopkins University Press, 208-218

### In Press

#### Articles in books

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

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

Moore, J. 'R.A. Fisher: a faith fit for eugenics' in N. Rupke (ed.) *The Religion of Eminent Twentieth-Century Scientists*, Johns Hopkins University Press

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

Moore, J., Desmond, A. and Browne, J. 'Darwin, Charles Robert' in C. Mathews (ed.) *The Oxford Dictionary of National Biography*, Oxford University Press

### Lectures and Conferences

October 2002

Problems in the History of Science and Technology seminar series, Modern History Faculty, University of Oxford

November 2002

Guest discussion, NTW 115, Scientific Revolutions (Prof. James Strick), Franklin and Marshall College, Lancaster, Pennsylvania

Moore, J. 'Darwin and evolution in the press and in advertising: from the Victorians to the Reagan-Thatcher Era', Franklin and Marshall College, Lancaster, Pennsylvania

Celebrating Darwin seminar (with Aubrey Manning, Martin Eastwood, and Richard Dawkins), sponsored by the University of Edinburgh and the National Museums of Scotland, Royal Museum, Edinburgh

April 2003

Writing Lives: The Past and Future of Biography, Center for the Humanities, Graduate Center, City University of New York

# Richard Noakes

Richard Noakes has participated in a BBC Radio 4 series, *The Long Search*, which discusses the ways in which science and technology have shaped religious experiences in Britain. The programme will be broadcast on 25 December 2003.

## In Press

### Books

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

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

### Reviews

Noakes, R. Review of R. Luckhurst, *The Invention of Telepathy, 1870–1901*, in *British Journal for the History of Science* (2003)

### Articles in books

Noakes, R. (2003) 'Natural causes? Spiritualism, science, and the Victorian supernatural' in N. Bown, C. Burdett and P. Thurschwell (eds.) *The Victorian Supernatural*, Cambridge University Press

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

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

Noakes, R. (2004) 'William Fletcher Barrett', 'William Crookes', 'William Henry Harrison', 'Balfour Stewart' and 'Cromwell Fleetwood Varley' in B. Lightman (ed.) *Dictionary of Nineteenth-Century British Scientists*, 4 vols, Thoemmes Press

## Lectures and Conferences

### March 2003

Noakes, R. 'Thermodynamic puzzles and supernatural agencies in Victorian Britain', Victorian Studies Centre, University of Leicester

### July 2003

Noakes, R. 'Spiritualising physics: problems in physics, psychics, and the transcendent in late-Victorian Britain', BSBS Annual Conference, York St. John College

# Lisbet Rausing

Lisbet Rausing is a former assistant Professor at the Department of the History of Science, Harvard University. Under the name of Lisbet Koerner, she has published widely on eighteenth-century natural history and science. In 2003 she became a member of the History of Science Society's Pfizer Price Committee.

## Publications

### Articles in journals

Interviewed for 'Supporting FFI', *Fauna and Flora*, Issue 4 (April 2003)

Rausing, L. 'College hopefuls should study in America', *Financial Times*, 15 January 2003

## **In Press**

### **Articles in journals**

Rausing, L. 'Underwriting the oeconomy: Linnaeus on nature and mind', *History of Political Economy*, supplemental issue to volume 35 (2003)

### **Reviews**

Rausing, L. Review of C. Nordlund, *Det upphöjda landet. Vetenskapen, landhöjningsfrågan och kartläggningen av Sveriges förflutna, 1860-1930*, in *Lychnos*

Rausing, L. Review of Carl von Linne, *Nemesis Divina*, edited and translated with explanatory notes by M.J. Petry, in *Studies in History and Philosophy of Biological and Biomedical Sciences*

## **Lectures and Conferences**

*January 2003*

Rausing, L. 'The endangered language programme', SOAS, University of London

*May 2003*

Rausing, L. 'Concept of charity today', Club von Berlin

# *Michael Redhead*

## **Publications**

### **Articles in books**

Redhead, M.L.G. (2002) 'The interpretation of gauge symmetry' in M. Kuhlmann, H. Lyze and A. Wayne (eds.) *Ontological Aspects of Quantum Field Theory*, World Scientific, 281-301

### **Articles in journals**

Redhead, M.L.G. and Debs, T.A. 'The 'Jericho effect' and Hegerfeldt non-locality', *Studies in History and Philosophy of Modern Physics* 34 (2003), 61-85

### **Discussion papers**

Redhead, M.L.G. and O'Hear, A. (2003) 'How to educate a scientist', CPNSS Discussion Paper Series, DP 68/03

## **Lectures and Conferences**

*December 2002*

Redhead, M.L.G. 'Popper and the EPR experiment', Popper Centenary Conference, London School of Economics

*June 2003*

Redhead, M.L.G. 'Broken bootstraps: the rise and fall of a research programme', James Cushing Memorial Conference, Oxford

# *Martin Rudwick*

## **In Press**

### **Books**

Rudwick, M.J.S. (2004) *The New Science of Geology: Studies in the Earth Sciences in the Age of Revolution*, Ashgate, Variorum Collected Studies series [reprints of 13 articles originally published 1970-2001, and one previously unpublished]

Rudwick, M.J.S. (2005) *Lyell and Darwin, Geologists: Studies in the Earth Sciences in the Age of Reform*, Ashgate, Variorum Collected Studies series [reprints of 10 articles originally published 1969-98]

## Lectures and Conferences

May 2003

Rudwick, M.J.S. 'Bursting the limits of time', History of Geology Group Conference, Geological Society, London

## Colin Russell

Colin Russell is Emeritus Professor in the History of Science at the Open University, and currently a consultant there. He was a founding member of the International Society for Science and Religion at the opening conference at Granada, Spain, 2002.

## Publications

### Articles in books

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

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

### Articles in journals

Russell, C.A. 'Chemist of contradictions [N.V. Sidgwick]', *Chem. Brit.* Vol. 38 No. 8 (2002), 38-40

Russell, C.A. 'Images of chemistry', *Chem. Brit.* Vol. 39 No. 6 (2003), 39-41

### Reviews

Russell, C.A. Review of P.J. Bowler, *Reconciling Science and Religion: The Debate in Early-Twentieth Century Britain*, in *Science and Christian Belief* Vol. 14 No. 2 (2002), 189-190

Russell, C.A. Review of R. Royal, *The Virgin and the Dynamo*, in *Isis* Vol. 93 No. 4 (2002), 750-751

## In Press

### Books

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

### Articles in books

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

Russell, C.A. 'Atomi, tipi e radicali: strutture e teoria nella chimica' in *Storia della scienza*, Enciclopedia Italiana, Rome

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

### Articles in journals

Russell, C.A. 'One thing leads to another', *Chem. Brit.*

## Lectures and Conferences

December 2002

Russell, C.A. Paper to Conference 'Chem@300: Transformation and Change', the 300th anniversary celebration of the chair of chemistry at Cambridge. Also co-organiser with Mary Archer

# Ayako Sakurai

## Lectures and Conferences

November 2002

Sakurai, A. 'Old and new venues of social pleasures – how the zoo replaced the promenade in late nineteenth-century Frankfurt am Main', British Society for History of Science Postgraduate Conference, University of London

December 2002

Sakurai, A. 'Frankfurt am Main, 1867: visiting a meeting of German naturalists and physicians', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

May 2003

Sakurai, A. 'Nineteenth century, scientific societies, Frankfurt am Main – why?', Nordic Post-Graduate Workshop in History of Science and Technology, University of Aarhus, Denmark

# Christine F. Salazar

## Publications

### Books

Salazar, C.F. (2003) *Aristotle* (translation of O. Höffe, *Aristoteles*), State University of New York Press

Salazar, C.F. (Managing Editor) (2003) *Brill's New Pauly*, vol I (A-Ari), Brill, Leiden

Salazar, C.F. (Managing Editor) (2003) *Brill's New Pauly*, vol II (Arm-Cas), Brill, Leiden

### Reviews

Salazar, C.F. Review of V. Boudon (ed.) *Galien II: Exhortation à l'Étude de la Médecine; Art Médical*, in *Classical Review* (2002)

Salazar, C.F. Review of R. Breitwieser, *Medizin im römischen Österreich*, in *Classical Review* (2002)

Salazar, C.F. Review of M.M. Sassi, *The Science of Man in Ancient Greece*, in *Medical History*, 46, 593 f. (2002)

Salazar, C.F. Review of C. Schulze, *Celsus*, in *Classical Review* (2003)

Salazar, C.F. Review of I. Andorlini (ed.) *Greek Medical Papyri I*, in *Classical Review* (2003)

## In Press

### Reviews

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

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

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

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

## Lectures and Conferences

January 2003

Attendance at American Philological Association Annual Meeting, New Orleans

May 2003

Salazar, C.F. 'The treatment of casualties in Greek and Roman armies', History of Medicine and Health Research Seminar, Centre for the History of Medicine, University of Birmingham

# Simon Schaffer

## Publications

### Articles in books

- Schaffer, S. (2002) 'Devices of iconoclasm' in B. Latour and P. Weibel (eds.) *Iconoclasm: Beyond the Image Wars in Science, Religion and Art*, MIT Press, 498-515
- Schaffer, S. (2002) 'Golden means: assay instruments and the geography of precision in the Guinea trade', in M.N. Bourguet, C. Licoppe and H. Sibum (eds.) *Instruments, Travel and Science*, Routledge, 20-50

## Lectures and Conferences

### November 2002

- Schaffer, S. 'Optical debate in the Republic of Letters', Conference on Transmission and Understanding in Early Modern European Sciences, Maison Française, Oxford
- Schaffer, S. 'Hill stations and astronomy', Cambridge Astronomical Society

### December 2002

- Schaffer, S. 'Vigani and the establishment of Cambridge chemistry', Department of Chemistry Tercentenary Conference, University of Cambridge
- Schaffer, S. 'Field trials and the colonial predicament', Workshop on Natures and Empires, Gonville and Caius College, Cambridge
- Schaffer, S. 'Keeping the books at Paramatta Observatory', Conference on Nineteenth-Century Observatory Sciences, Max Planck Institute for the History of Science, Berlin

### February 2003

- Schaffer, S. 'Science, music and machinery in 1900', Faculty of Music, University of Cambridge
- Schaffer, S. 'Forgers and authors in the Baroque economy', Department of English, University of East Anglia
- Schaffer, S. 'The science of denunciation: automata and other devices', Faculty of History, Central European University, Budapest

### April 2003

- Schaffer, S. 'Instruments as cargo', CRASSH Conference on Organisation of Knowledge, Corpus Christi College, Cambridge
- Schaffer, S. 'Enlightenment knowledge and the slave networks', Art Historians' Association Annual Conference, Birkbeck College, London
- Schaffer, S. 'Glass and the history of science', Workshop on Innovation and Change, King's College, Cambridge

### May 2003

- Schaffer, S. 'L'inventaire de l'astronome', Seminaire Asie-Pacifique, EHESS Paris
- Schaffer, S. 'Transmission and misunderstanding in European meridian astronomy: a colonial perspective', Conference on Transmission and Understanding in European Sciences 1740-1870, Maison Française, Oxford

### July 2003

- Schaffer, S. 'Setting standards and reading signs', Association of Social Anthropologists Decennial Conference, University of Manchester

# Jutta Schickore

## Publications

### Articles in books

- Schickore, J. (2003) 'The contexts of scientific justification: some reflections on the relationship between epistemological contextualism and philosophy of science' in F. Stadler (ed.) *The Vienna Circle and Logical Empiricism*, IVC Yearbook 10/2002, Kluwer, 265-280
- Schickore, J. (2003) 'Microscope' in *Oxford Companion to the History of Science*, Macmillan

### **Articles in journals**

Schickore, J. '(Ab) Using the past for present purposes: exposing contextual and trans-contextual features of error', *Perspectives on Science* 10 (2002)

### **In Press**

#### **Articles in books**

Schickore, J. 'Comte, Auguste' in *Lexikon bedeutender Naturwissenschaftler*, Spektrum Akademischer Verlag

Schickore, J. 'Augenspiegel, Ophthalmoskop' in *Pschyrembel Wörterbuch Medizingeschichte*, de Gruyter

#### **Articles in journals**

Schickore, J. 'The "philosophical grasp of the appearances" and experimental microscopy: Johannes Müller's microscopical research, 1824-1832', *Studies in History and Philosophy of Biology and Biomedical Sciences*

### **Lectures and Conferences**

#### *April 2003*

Co-organiser of an international conference (with Giora Hon (Haifa) and Friedrich Steinle (Berlin)) on *Going Wrong and Making it Right: Error as a Crucial Feature of Concept Adjustments in Experimental Contexts*, held in Aegina, Greece

Schickore, J. 'Anything going wrong? Michael Faraday and Peter Mark Roget on optical deceptions', at the conference *Going Wrong and Making it Right: Error as a Crucial Feature of Concept Adjustments in Experimental Contexts*, Aegina, Greece

#### *June 2003*

Commentator at the European Science Foundation Network workshop on *New Perspectives on the Enhancement of the European Scientific Heritage: Scientific Instruments in Science History (and Beyond)*, University of Oxford

#### *July 2003*

Schickore, J. 'The introduction of test objects into microscopy, 1820-1835', BSHS Annual Conference, York

#### *September 2003*

Schickore, J. 'Investigating vision: Thomas Young, Michael Faraday, and David Brewster on microscopical deceptions', at the conference *Visual Knowledges*, Edinburgh

## *Anne Secord*

### **Publications**

#### **Articles in journals**

Secord, A. "'Be what you would seem to be": Samuel Smiles, Thomas Edward, and the making of a working-class hero', *Science in Context* 16 (2003), 147-173

### **In Press**

#### **Books**

Secord, A. (2004) *Artisan Naturalists: Science as Popular Culture in Nineteenth-Century England*, University of Chicago Press

#### **Articles in books**

Secord, A. (2004) Fourteen articles in the *Oxford Dictionary of National Biography*, Oxford University Press

## Lectures and Conferences

### October 2002

Secord, A. 'Time and chance: temporal order, natural laws, and artisan expertise in early nineteenth-century England', Modern Medicine and Biology Seminar, Department of History and Philosophy of Science, University of Cambridge

### November 2002

Secord, A. Commentary on three papers in session on 'Family networks and the circulation of science', History of Science Society Annual Meeting, Milwaukee

Secord, A. 'Time and chance: temporal order, natural laws, and artisan expertise in early nineteenth-century England', Department of History and Sociology of Science, University of Pennsylvania

Secord, A. and Jardine, N. Led a discussion of Anke te Heesen, *The World in a Box*, Cabinet of Natural History seminar, Department of History and Philosophy of Science, University of Cambridge

## Jim Secord

Jim Secord was promoted to a personal chair from October 2002. In November his study of early Victorian evolutionary debates, *Victorian Sensation*, won the Pfizer Prize of the History of Science Society, awarded annually for the best book in the field. For three years starting from October 2003 he will be on leave with a Leverhulme Trust Major Research Fellowship, to write a book on science in the illustrated newspaper press during the nineteenth century.

## Publications

### Articles in books

Secord, J. (2003) 'From Miller to the Millennium' in L. Borley (ed.) *Celebrating the Life and Times of Hugh Miller*, Cromarty Arts Trust, 328-337

Secord, J. (2003) 'Introduction' to reprint of J.H. Pepper, *The Boy's Playbook of Science* (1860), Edition Synapse/Thoemmes Press, v-x

Secord, J. (2003) 'Introduction' to reprint of [Samuel Clark], *Peter Parley's Wonders of the Earth, Sea, and Sky* (1837), Edition Synapse/Thoemmes Press, v-x

### Articles in journals

Secord, J. 'Response' to comments on *Victorian Sensation* by Crosbie Smith, George Levine and David Vincent in *Journal of Victorian Culture* 8 (2003), 142-150

Secord, J. 'Quick and magical shaper of science [J. H. Pepper]', *Science* 297 (2002), 1648-1649

### Reviews

Secord, J. Review of J. Browne, *Charles Darwin: The Power of Place*, in *Daily Telegraph*, 9 Nov. 2002, Arts, p. 3

## In Press

### Books

Secord, J. (2004) *Collected Works of Mary Somerville*, 9 vols, Thoemmes Press

### Articles in books

Secord, J. (2004) 'Monsters at the Crystal Palace' in S. de Chadarevian and N. Hnpwood (eds.) *Models: The Third Dimension of Science*, Stanford University Press.

Secord, J. (2004) ten articles in *Oxford Dictionary of National Biography*, Oxford University Press

## Conferences and Lectures

### October 2002

Secord, J. 'From Miller to the Millennium', Closing Plenary Address, Hugh Miller Bicentennial Conference, Cromarty, Scotland



November 2002

Commentary in session on German Scientific Periodicals, HSS Annual Meeting, Milwaukee, Wisconsin

December 2002

Secord, J. 'Scrapbook science: composite caricatures in late Georgian England', Department of Philosophy, University of Leeds

May 2003

Secord, J. 'Scrapbook science: composite caricatures in late Georgian England', Museum of the History of Science, University of Oxford

## Richard Serjeantson

Richard Serjeantson has been appointed to a College Lectureship in History at Trinity College from October 2004.

### Publications

#### Articles in books

Serjeantson, R.W. 'Natural Knowledge in the *New Atlantis*' in B. Price (ed.) *Francis Bacon's 'New Atlantis'*, Manchester University Press, 85-105

#### Reviews

Serjeantson, R.W. Review of I. Maclean, *Logic, Signs and Nature in the Renaissance: The Case of Learned Medicine*, in *History of Universities*, vol. 18 (2002), 199-201

### In Press

#### Articles in books

Serjeantson, R.W. 'Proof and persuasion' in L. Daston and K. Park (eds.) *The Cambridge History of Science*, vol. III: *Sixteenth- and Seventeenth-Century Europe*, Cambridge University Press

Serjeantson, R.W. 'Hume's General Rules and the "Chief Business of Philosophers"' in M. Frasca-Spada and D. Kail (eds.) *Impressions of Hume*, Oxford University Press

#### Reviews

Serjeantson, R.W. Review of P. Rossi (trans. Stephen Clucas) *Logic and the Art of Memory: The Quest for a Universal Language*, in *The Sixteenth Century*

### Lectures and Conferences

May 2003

Serjeantson, R.W. 'The early Royal Society and the workings of the mind', Matter of Modernity Conference, Gresham College/Warburg Institute, London

June 2003

Serjeantson, R.W. 'Medicine in the *New Atlantis*', Wellcome Unit for the History of Medicine, University of Oxford

## Ilina Singh

Ilina Singh is the Managing Editor of *BioSocieties*, a new journal to be launched in 2004.

### Publications

#### Articles in journals

Singh, I. 'Biology in context: social and cultural perspectives on ADHD', *Children and Society* 16 (2002), 360-367

Singh, I. 'Bad boys, good mothers and the "miracle" of Ritalin', *Science in Context* 15(4) (2002), 577-603

## **In Press**

### **Articles in journals**

Singh, I. 'Doing their jobs: mothering with Ritalin in a culture of mother-blame', *Social Science and Medicine*

Singh, I. 'Boys will be boys: fathers' perspectives on ADHD symptoms, diagnosis and drug treatment', *Harvard Review of Psychiatry*

## **Lectures and Conferences**

### *September 2003*

Singh, I. 'Moral dilemmas and Ritalin riddles', Vital Politics Conference, London School of Economics

### *November 2003*

Singh, I. 'Moral dilemmas and Ritalin riddles', Department of Psychological Medicine, Hergest Unit, Cardiff

### *March 2003*

Singh, I. 'Bettering boys: the role of psychopharmacology', Psychology Department Seminar, Lancaster University

### *December 2002*

Singh, I. 'Bettering boys: the role of psychopharmacology', Social Psychology Departmental Seminar, London School of Economics

# *Emma Spary*

## **Publications**

### **Articles in books**

Spary, E.C. (2003) 'Forging nature at the Republican Muséum' in L. Daston and G. Pomata (eds.) *The Faces of Nature in Enlightenment Europe*, Berliner Wissenschafts-Verlag, 163-180

Spary, E.C. (2003) 'Botany', 'Linnaeus' and 'Zoology' in *Encyclopedia of the Enlightenment*, Oxford University Press

Spary, E.C. (2003) 'Natural History' in *Dictionary of Early Modern Europe*, Charles Scribner's Sons

### **Reviews**

Spary, E.C. Review of J.V. Pickstone, *Ways of Knowing: A New History of Science, Technology and Medicine*, in *International Studies in the Philosophy of Science* (2003)

Spary, E.C. Review of L.E. Robbins, *Elephant Slaves and Pampered Parrots: Exotic Animals in Eighteenth-Century Paris*, in *British Journal for the History of Science* (2003)

## **In Press**

### **Articles in books**

Spary, E.C. (2003) 'Of nutmegs and botanists: the colonial cultivation of botanical identity' in L. Schiebinger and C. Swan (eds.) *Colonial Botany: Science, Commerce, Politics*, University of Pennsylvania Press

### **Articles in journals**

Spary, E.C. "'Peaches which the patriarchs lacked": natural history, natural resources, and the natural economy in eighteenth-century France' in N. De Marchi and M. Schabas (eds.) *Oeconomies in the age of Newton*, special issue of *History of Political Economy* 35 (2003)

Spary, E.C. 'Scientific symmetries', *History of Science* (2004)

## Lectures and Conferences

November 2002

Spary, E.C. “‘Peaches which the patriarchs lacked’”: natural history, natural resources, and the natural economy in eighteenth-century France’, History of Science Society Annual Meeting, Milwaukee, Wisconsin

April 2003

Spary, E.C. ‘The philosophical palate: moderation, cuisine and knowledge in eighteenth-century Paris’, History of the Human Sciences Workshop, Morris Fishbein Center, University of Chicago

## Liba Taub

In 2002, Liba Taub was elected a member of the Wissenschaftliche Beirat of the Deutsches Museum. She continues to serve on the University Council, and is also a member of the steering group organised by *re:source* (The Council for Museums, Libraries and Archives) to review Designation and the Designation Challenge Fund, as well as the UK Spoliation Advisory Panel. During the academic year, she organised three meetings of the Edward Sherburne Project (ESP). In May she became the new editor for the Routledge series *Sciences in Antiquity*.

## Publications

### Books

Taub, L. (2003) *Ancient Meteorology*, Routledge

### Articles in books

Taub, L. (2002) ‘Instruments of Alexandrian astronomy: the uses of the Equinoctial Rings’ in C.J. Tuplin and T. E. Rihll (eds.) *Science and Mathematics in Ancient Greek Culture*, Oxford University Press, 133-149

Taub, L. (2003) ‘Orrery’ in J. Heilbron (ed.) *Oxford Companion to the History of Modern Science*, Oxford University Press

## In Press

### Articles in books

Taub, L. ‘On the non-Newtonian nature of orreries’ in L. Taub and F. Willmoth (eds.) *The Whipple Museum of the History of Science: Instruments and Interpretations*, Cambridge University Press, with the Whipple Museum

Taub, L. ‘Roger Long (1680-1770)’ and ‘Anthony Shepherd (1721-1796)’ in *New Dictionary of National Biography*, Oxford University Press

## Lectures and Conferences

January 2003

Taub, L. ‘The astronomical background to Aristotle’s *Metaphysics*  $\Lambda$  8’, the Scottish Association for Classical Philosophy Reading Group, University of Edinburgh

May 2003

Taub, L. ‘Out of the hands of Zeus: characterising ancient meteorology’, Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

June 2003

Commentator on ‘Instruments and Collections’, workshop on ‘New Perspectives on the Enhancement of the European Scientific Heritage’, Museum of the History of Science, Oxford

July 2003

Co-convenor (with Duncan Robinson, Director of the Fitzwilliam Museum) of an international conference on ‘University Collections – Are they worth it?’, organised with support from CRASSH (the Centre for Research in the Arts, Social Sciences and the Humanities), the DCMS/Resource Designation Challenge Fund, and the University Museums Group

# Deborah Thom

## Publications

### Articles in books

Thom, D. (2003) 'Citizen of empire or juvenile delinquent' in M. Gwirjke-Hofstra and H. Msarland (eds.) *Cultures of Child Health in Britain and the Netherlands in the Twentieth Century*, Rodopi

### Articles in journals

Thom, D. 'Gender and history: la premiere du genre', *Clio* 16 (2002)

## In Press

### Articles in books

Thom, D. (2003) 'Making war spectacular' in G. Braybon (ed.) *Evidence, History and the Great War: A Re-assessment*, Berghahn

## Lectures and Conferences

### August 2002

Thom, D. 'Normalising the delinquent', *Birgittas forum* (an international invited conference organised by the Institute for the Study of the Child, Limkopping, Sweden), Vadstena, Sweden

### November 2002

Thom, D. 'Making women's work visible in the First World War', *Women and Work Cultures 1850-1950*, Leeds Metropolitan University

### January 2003

Thom, D. 'Aggressive boys, wayward girls and punitive violence in England, 1900-1965', *Cultures of Violence* (conference sponsored by CRASSH, University of Cambridge), St John's College, Cambridge

### March 2003

Thom, D. 'History and masculinities', Cambridge Gender Studies Symposium

### June 2003

Thom, D. 'Changing patterns of reform in corporal punishment: a just measure of manly pain?', invited conference of the International Association for Crime and Criminal Justice History on *Gender and Crime*, Maison de Sciences de l'Homme, Paris

### July 2003

Thom, D. 'Constructing a narrative of women and war: the Imperial War Museum and photographs', *Women, War and Photography*, Group for War and Culture Studies Research seminar series, University of Westminster

# Jonathan Topham

Jonathan Topham was awarded an AHRB Innovation Award in 2002 for his project 'Scientific Publishing and the Readership for Science in Early Nineteenth-Century Britain'. This has enabled him to employ a research assistant, Suzanne Paylor, to work with him during the current academic year in preparing a bibliographical and prosopographical database of early nineteenth-century science publishing, as the basis for a book on the subject. Dr Topham is also currently preparing the 'Science in the Nineteenth-Century Periodical' (SciPer) Index for web publication early in 2004.

## Publications

### Articles in journals

Topham, J.R. 'Not thinking about science and religion' (essay review), *Minerva* 40 (2002), 203-209

Topham, J.R., Yeo, R., Miller, D. and Frasca-Spada, M. 'The encyclopedic life' (review symposium), *Metascience* 11 (2002), 154-176

### **Reviews**

Topham, J.R. Review of J.A. Secord, *Victorian Sensation*, in *British Journal for the History of Science* 35 (2002), 360-362

## **In Press**

### **Books**

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

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

### **Articles in books**

Topham, J.R. (2004) 'Science, natural theology, and the practice of Christian piety in early nineteenth-century religious magazines' in G. Cantor and S. Shuttleworth (eds.) *Science Serialized: Representations of the Sciences in Nineteenth-Century Periodicals*, MIT Press

Topham, J.R. (2004) 'Periodicals and the development of reading audiences for science in early nineteenth-century Britain: the *Youth's Magazine*, 1828-37' in L. Henson et al. (eds.) *Culture and Science in the Nineteenth-Century Media*, Ashgate

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

Topham, J.R., Dawson, G. and Noakes, R. (2004) 'Reading the magazine of nature' in G. Cantor et al. (eds.) *Reading the Magazine of Nature: Science in the Nineteenth-Century Periodical*, Cambridge University Press

Topham, J.R. (2004) 'The *Mirror of Literature, Amusement and Instruction* and cheap miscellanies in early nineteenth-century Britain' in G. Cantor et al. (eds.) *Reading the Magazine of Nature: Science in the Nineteenth-Century Periodical*, Cambridge University Press

Topham, J.R. (2004) 'The *Wesleyan-Methodist Magazine* and religious monthlies in early nineteenth-century Britain' in G. Cantor et al. (eds.) *Reading the Magazine of Nature: Science in the Nineteenth-Century Periodical*, Cambridge University Press

Topham, J.R. (2004) 'Scientific books, 1800-1830' in M. Turner and M. Suarez (eds.) *The Cambridge History of the Book in Britain*, Volume 5, 1695-1830, Cambridge University Press

Topham, J.R., 'Thomas Byerley, John Limbird, and the production of cheap periodicals in the 1820s' in L. Brake and J. Codell (eds.) *Victorian Encounters: Publishers, Editors and Readers*

Topham, J.R. (2004) 'Deighton, John (1748-1828)', 'Egerton, Francis Henry, eighth earl of Bridgewater (1756-1829)', 'Weale, John (1791-1862)' and 'Whittaker, George Byrom (1793-1847)' in C. Matthew (ed.) *New Dictionary of National Biography*, Oxford University Press

Topham, J.R. (2004) 'Chalmers, Thomas (1780-1847)', 'Limbird, John (1794/5-1883)', 'Weale, John (1791-1862)' and 'Whittaker, George Byrom (1793-1847)' in B. Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists*, Thoemmes

### **Articles in journals**

Topham, J.R., Cantor, G. and Shuttleworth, S. 'Representations of science in the nineteenth-century periodical press', *Interdisciplinary Science Reviews* (2004)

## **Lectures and Conferences**

### *February 2003*

Topham, J.R. 'Scientific publishing and the reading of science in early nineteenth-century Britain', *Texts, Readers and Reading Communities in 19th Century Britain* seminar, Institute of English Studies, University of London

### *April 2003*

Topham, J.R. 'Popular science: users', *Popular Science* workshop, Aarhus University, Denmark

May 2003

Topham, J.R. 'Taking scissors and paste to science: the *Mirror of Literature* and the invention of popular science', Cabinet of Natural History seminar, Department of History and Philosophy of Science, University of Cambridge

July 2003

Topham, J.R. 'The first puff of "the steam-engine": science in the religious monthlies in early nineteenth-century Britain', BSHS Annual Conference, York St John College, York

Topham, J.R. 'John Limbird, Thomas Byerley, and the production of cheap periodicals in regency Britain', *Texts, Ma(r)kers, Markets* conference, University of York

## Karin Tybjerg

### Publications

#### Reviews

Tybjerg, K. Review of A. Barker, *Ptolemy's Harmonics*, in *BJHS* 35 (2002), 349-350

### In Press

#### Articles in books

Tybjerg, K. 'The Mechanical Treatises of Hero of Alexandria' in *Geschichte der Mathematik und der Naturwissenschaften in der Antike*, Band: Physik-Mechanik

#### Articles in journals

Tybjerg, K. 'Wonder-making and philosophical wonder in Hero of Alexandria', *Studies in History and Philosophy of Science* 34 (2003)

Mosley, A., Jardine, N. and Tybjerg, K. 'Tycho Brahe, Epistolary Culture, and Standards of Editorial Probity', *Studies in the History of Astronomy*

#### Reviews

Tybjerg, K. Review of S. Cuomo, *Ancient Mathematics*, in *Journal of Roman Studies*

Tybjerg, K. Review of J. Mansfeld, *Prolegomena Mathematica: From Apollonius of Perga to the Late Neoplatonists*, in *Isis*

Tybjerg, K. Review of Berggren and Jones, *Ptolemy's Geography*, in *BJHS*

Eagleton, C., Tybjerg, K. and Vermeir, K.J. Review of P. Long, *Openness, Secrecy and Authorship*, in *BJHS*

### Lectures and Conferences

November 2002

Tybjerg, K. 'Filosofi med Maskiner: Heron af Alexandrias Mekaniske Afhandlinger', Department of History of the Exact Sciences, Aarhus University

## Paul White

### Publications

#### Books

White, P. (2003) *Thomas Huxley: Making the 'Man of Science'*, Cambridge University Press

White, P. et al. (eds.) (2002) *The correspondence of Charles Darwin*, vol. 13, Cambridge University Press

### In Press

#### Articles in books

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

White, P. 'Thomas Huxley', 'Herbert Spencer' and 'Edward Forbes' in B. Lightman et al. (ed.) *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press

#### **Reviews**

White, P. 'Desmond/Huxley: the hot-blooded historian', *Studies in History and Philosophy of Science*

### **Lectures and Conferences**

#### *November 2002*

White, P. 'Of scientific character: the physiology of emotions and the emotions of physiology', History of Science Society Annual Conference, Milwaukee

#### *January 2003*

White, P. 'Acquired character: the (pre-genetic) material of the self-made man', Workshop on the Cultural History of Heredity, Max-Planck Institut für Wissenschaftsgeschichte, Berlin

#### *April 2003*

White, P. 'Darwin and the circle of friendship', The Athenaeum Club, London

#### *July 2003*

White, P. 'One culture or two? The formation of science and literature in the Victorian period', conference on 'Science: Its Advocates and Adversaries', Institute of Contemporary British History, London

## *Nick Wilding*

In September 2003 Nick Wilding was appointed British Academy Post Doctoral Research Fellow.

### **Lectures and Conferences**

#### *March 2003*

Wilding, N. 'Publishing Kircher's *Polygraphia*', Conference for the 400th anniversary of Kircher's birth, Athanasius Kircher (1602–1680), Jesuit und Universalgelehrter, Fulda, Germany

Wilding, N. 'The state of writing', Renaissance Society of America Annual Conference, Toronto, Canada

#### *July 2003*

Wilding, N. 'Graphic technologies' Hooke 2003, Royal Society, London

## *Frances Willmoth*

In April, Frances Willmoth's job at Jesus College became full time. She is the Archivist, the Assistant to the Keeper of the Old Library and the Assistant to the Keeper of the Records.

## *Sarah Wilmot*

In July 2003, Sarah Wilmot was awarded a three-year research grant by the Economic and Social Science Research Council for a project titled: 'From public service to artificial insemination: animal breeding science in Britain c.1890-1951'. This will focus on the early history of one reproductive technology as it was shaped by the intersection of the social worlds of cattle breeding, science and government. Key players in this history include cattle breeders, members of the Evolution Committee of the Royal Society, the Animal Breeding Research Department at Edinburgh University and the Institute of Animal Nutrition at Cambridge.

## **Publications**

### ***Books***

Wilmot, S., Burkhardt, F., Porter, D.M., et al. (eds.) (2002) *The Correspondence of Charles Darwin Volume 13*, Cambridge University Press

## **In Press**

### ***Articles in books***

Wilmot, S. (2003) 'Fever cows and measly pigs: veterinarians, farm animals and public health scares in Victorian Britain', *Proceedings of the 33rd International Congress on the History of Veterinary Medicine*

### ***Articles in journals***

Wilmot, S. 'A diet of worms? Diseased meat and the urban consumer in mid-Victorian Britain', *Past and Present* (2004)

## **Lectures and Conferences**

*October 2002*

Wilmot, S. 'Veterinarians, farm animals and public health scares in mid-Victorian Britain', Veterinary History Society Annual Meeting, Rural History Centre, University of Reading

# *Eli Zahar*

## **Publications**

### ***Books***

Zahar, E.G. (2002) *Mathematik, Ontologie und die Grundlagen der Empirischen Wissenschaften*, Ingo Koch Verlag

### ***Articles in books***

Zahar, E.G. (2003) 'Le réalisme scientifique structural' in J.-P. Changeux (ed.) *La Vérité dans les Sciences*, Odile Jacob, 129-169

## **Lectures and Conferences**

*December 2002*

Zahar, E.G. 'Métaphysique et induction', Conférence Popper, Sorbonne, Paris

*April 2003*

Zahar, E.G. 'Science and metaphysics', University of Leeds



# Seminar Programmes

## Michaelmas Term 2002

### *Research Methods Seminars*

These seminars on research methods and topics in history and philosophy of science are for all new graduate students. The seminars are held on the first two Thursdays of Michaelmas Term at 4pm in Seminar Room 2, with tea served from 3.45pm.

Each seminar will consist of short informal talks presenting research methodologies and areas, and introducing the Research Methods Guide on the HPS website at [www.hps.cam.ac.uk/research](http://www.hps.cam.ac.uk/research). Organised by Marina Frasca-Spada and Nick Jardine.

10 October      **1. Methods** Chaired by Nick Jardine  
Peter Lipton, *Writing philosophy*; Jim Secord, *Writing history*; Jill Whitelock, *Libraries*; Soraya de Chadarevian, *Interviews*; Patricia Fara, *Illustrations*; Liba Taub, *Instruments*

17 October      **2. Topics** Chaired by Jim Secord  
Lauren Kassell, *Medicine and magic*; Tim Lewens, *Philosophy of the life sciences*; Helen Macdonald, *Environmental history*; Nick Jardine, *Historiography*; Marina Frasca-Spada, *History of philosophy*; Martin Kusch, *Philosophy and the sociology of knowledge*; John Forrester, *The temptations of the academic researcher*

### *How to Deal with Coursework*

Advice for Part II students starting to tackle their Primary Source essays and Dissertations, on Friday 15 November at 4.15pm in Seminar Room 2, with tea and chocolate biscuits.

Peter Lipton, *Writing philosophy*; Jim Secord, *What is analysis in a history essay?*; Marina Frasca-Spada, *Issues of time management*

### *Departmental Seminars*

Seminars meet at 4.30pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science. There is tea beforehand in Seminar Room 1 at 4pm. Organised by Simon Schaffer.

24 October      **Charles Thorpe (University of Cardiff)**  
J. Robert Oppenheimer and the crisis of the American liberal intellectual

In 1954, the US Atomic Energy Commission branded physicist J. Robert Oppenheimer a security risk and excluded him from secret government work. The hearing made Oppenheimer into an icon of the beleaguered liberal intellectual in Cold War America. This paper examines how this symbolic role was manufactured for Oppenheimer and by him. As Oppenheimer worked to recreate his public identity in the wake of the hearing, he connected his individual fate with the more general cultural trajectory of the modern intellectual. He fashioned a tragic identity which then served as an index of cultural crisis.

31 October      **Alison Winter (University of Chicago)**  
Seeing selves: mind, memory, and identity on film 1920-1962

The paper reconstructs the history of 'truth techniques' in the earlier twentieth century, focusing especially on notions of personal identity and the idea of a 'truth serum'. As part of a social history of such techniques, the paper

examines the ways in which film was used in experimentation, medical training, and in popularisation; and asks how the medium of film made a difference by embodying and recording traces of mental phenomena and delivering them to new sites.

7 November      **Kapil Raj (Ecole des Hautes Etudes en Sciences Sociales, Paris)**  
Intercultural encounters and European botanising in India in early modernity: Nicolas  
L'Empereur's 'Jardin de Lourixa'

Making inventories of local flora was crucial to European nations engaged in ever-expanding trade networks across the globe during the seventeenth and eighteenth centuries. A knowledge of plants and their uses was important not only for the introduction of new commodities into European markets, but also the maintenance of the health of the thousands of sailors and traders who found themselves in the hostile climes of the tropics. Voluminous herbals of Asian plants were prepared by the Portuguese, the Dutch, the English and the French. A recently rediscovered eighteenth-century herbal, containing more than seven hundred East Indian plants painted by indigenous artists, helps throw new light on the complex processes of the making and legitimation of this botanical and medical knowledge outside the metropolis. In particular, the talk will aim to show the crucial nature of the intercultural encounter in the way these knowledges were configured, as well as the tensions involved between metropolitan expectations and the exigencies of the field.

14 November    **Stephen Gaukroger (University of Sydney)**  
The Scientific Revolution, modernity and the West

The Scientific Revolution initiated a type of scientific development that was anomalous compared with those we find in earlier cultures which had successful scientific traditions, such as those of classical and Alexandrian antiquity, ninth and tenth century Islam, and Sung and Ming dynasty China: science in these earlier cultures manifested a boom/bust pattern, whereas the Scientific Revolution initiated a pattern of uninterrupted and cumulative growth. One thing that distinguishes these earlier scientific developments from the Scientific Revolution is not only their apparent failure to consolidate scientific gains, but more importantly the fact that large-scale consolidation of the type we find in the Scientific Revolution was never part of their programme: the evidence indicates that the solution of a limited range of specific problems seems to have been the rule, and success in this enterprise usually brought an end to significant attention to scientific problems. The idea of large-scale consolidation is not something inherent in the scientific enterprise as such, but it is inherent in the kind of scientific enterprise that is established in the wake of the Scientific Revolution. The paper looks at some aspects of the question of how and why this aim arose, and how it was articulated in early-modern scientific practice.

21 November    **Kitty Hauser (Clare Hall, Cambridge)**  
Archaeology and photography

Focusing on the interwar period in this country, this paper will consider the ways in which photography has been used by field archaeologists to document the landscape, including aerial photography. It will discuss how photography could document an otherwise hidden landscape marked by time, and the interest shown in such images by artists and writers.

28 November    **Andy Pickering (University of Illinois at Urbana-Champaign)**  
Cybernetics as nomad science

In 'One Thousand Plateaus', Gilles Deleuze and Felix Guattari conceptualise the nomad as that which invades and upsets the stable order of the State, and they distinguish between 'royal sciences' as part of the State apparatus and 'nomad sciences' that are themselves antithetical to it. I think it makes sense to understand cybernetics as a nomad science, and in this talk I want to explore how far one can go with this idea, taking as my example the work of a group of English cyberneticians including Ross Ashby, Stafford Beer, Gordon Pask and Grey Walter that flourished from the late 1940s onwards.

5 December     **Arnold Thackray (Chemical Heritage Foundation, Philadelphia)**  
Applied history of science: theory and practice

The nature and uses of the history of science changed markedly in the course of the twentieth century. Equally interesting are the differential changes in the subject in the UK and the US. This talk will give a personal view of the evolution of the field, and of where the most interesting challenges lie today.

# History of Medicine

Seminars will take place on Tuesdays from 1.00 - 2.00pm in Seminar Room 1. Please feel free to bring your lunch.

## History of Modern Medicine and Biology

Organised by Sarah Hodges and Soraya de Chadarevian.

- 15 October **David Arnold (SOAS, London)**  
Networks and novices: Joseph Hooker in Calcutta and the Himalayas, 1848-1850
- 29 October **Anne Secord (HPS, Cambridge)**  
Time and chance: temporal order, natural laws and artisan experience in early nineteenth-century England
- 5 November **Carsten Timmermann (CHSTM, Manchester)**  
Re-framing high blood pressure: the Platt-Pickering controversy and the risk factor approach to chronic disease, c. 1945-1970
- 12 November **Maneesha Lal (Columbia University)**  
Of vitamins and veils: women physicians, transnational medical research and the framing of osteomalacia in late colonial India
- 26 November **Mark Harrison (Wellcome Unit, Oxford)**  
Disease, empire and degeneration in early nineteenth-century Britain

## Early Medicine and Natural Philosophy

Organised by Lauren Kassell.

- 22 October **Patrick Wallis (University of Nottingham)**  
Profit and practice: work, medicine and the 'medical marketplace' in early modern London
- 19 November **Scott Mandelbrote (Peterhouse, Cambridge)**  
Seventeenth-century medical practice and the resurrection of Anne Green
- 3 December **Angus Gowland (Magdalene College, Cambridge)**  
European melancholy and the context of psychopathology, c. 1500-1700

# Psychoanalysis and the Humanities

Seminars take place on alternate Wednesdays from 5.00 to 6.30pm in Seminar Room 1. Tea is served from 4.40pm. All welcome. Organised by Mary Jacobus and David Hillman.

- 16 October **Gillian Beer (Faculty of English, Cambridge)**  
Questioning the questioner: 'Little Hans', Wordsworth and 'The Wolfman'
- 30 October **Sarah Kay (Faculty of Modern & Medieval Languages, Cambridge)**  
Zizek on representation
- 13 November **Ruth Parkin-Gounelas (University of Saloniki)**  
What isn't there in Margaret Atwood's *The Blind Assassin*
- 27 November **Parveen Adams (Brunel University)**  
Art as prosthesis: Cronenberg's crash

# Psy Studies

*History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences*

All seminars start at 5.00pm in Seminar Room 1 on alternate Wednesdays. Tea is served before each seminar at 4.40pm. Organised by John Forrester and Deborah Thom.

- 23 October **Laura Cameron (Churchill College, Cambridge)**  
Experiments in freedom: science, nature and the Malting House School, Cambridge, 1924-29
- 6 November **David Healy (University of Wales College of Medicine)**  
Psychopharmacology and the government of the self

- 20 November **Stephen Frosh (Birkbeck College, London)**  
Hate, destructiveness and the other
- 4 December **Dylan Evans (University of Bath)**  
Lacan and twentieth-century science

## *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! For further information contact Sujit Sivasundaram.

- 14 October **Greg Radick (Unit of HPS, University of Leeds)**  
Eskimo words for 'snow', Vervet words for 'predator'
- 21 October **Michael Taylor (National Museums of Scotland, Edinburgh)**  
The evangelical geologist and writer Hugh Miller: a Victorian hero reassessed
- 28 October **THE FUNGUS HUNT led by Nick Jardine**
- 4 November **Andrew Cunningham (Department of HPS, Cambridge)**  
Anatomists, animals, and the making of comparative anatomy, 1650-1800
- 11 November **Helen Macdonald (Department of HPS, Cambridge)**  
'Rock birds and beach blonds': falcon trapping, falconry and bird banding on the East Coast of America, 1935-1965
- 18 November **Ralph O'Connor (Faculty of English, Cambridge)**  
'Crunching the gristles of his dying prey': geology as spectacular theatre in the treatises of Thomas Hawkins (1810-1889)
- 25 November **Nick Jardine and Anne Secord** will lead a discussion of Anke te Heesen's *The World in a Box: The Story of an Eighteenth-Century Picture Encyclopedia* (Chicago, 2002)
- 2 December **Ayako Sakurai (Department of HPS, Cambridge)**  
Frankfurt am Main, 1867: visiting a meeting of German naturalists and physicians
- Saturday 7 **ONE DAY WORKSHOP: Nature and Empire**  
December Starting 10am in the Senior Parlour, Gonville and Caius College

## *Epistemology Reading Group*

We will be reading articles from *Epistemology: Internalism and Externalism*, edited by Hilary Kornblith (Blackwell, 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 2.00pm in Seminar Room 1 and are open to all. Organised by Peter Lipton.

- 10 October Laurence Bonjour, 'Externalist Theories of Empirical Knowledge'
- 17 October Alvin Goldman, 'The Internalist Conception of Justification'
- 24 October Barry Stroud, 'Understanding Human Knowledge in General'
- 31 October Ernest Sosa, 'Reliabilism and Intellectual Virtue'
- 7 November Richard Foley, 'What Am I to Believe?'
- 14 November Frederick Schmitt, 'Epistemic Perspectivism'
- 21 November Alvin Goldman, 'Internalism Exposed'
- 28 November Earl Conee and Richard Feldman, 'Internalism Defended'

## *Gender and Science Reading Group*

The Gender and Science Reading Group meets fortnightly 1-2pm on Thursdays in Seminar Room 2. Please feel free to bring your lunch. Copies of the readings are available on reserve in the Whipple Library (except where noted). Organised by Sarah Hodges.

- 10 October Helen Blackman, 'Would a female genius have a beard? An Edwardian gynaecologist's attempt to define the feminine', copy on file with Whipple Librarian
- 24 October Jennifer Terry, *An American Obsession: Science, Medicine and Homosexuality in Modern Society* (University of Chicago Press, 1999) esp. Chapters 1, 3 and 9 (pp. 27-39; 74-119; 297-314), on reserve in the Whipple Library (Z1558)

- 7 November Rachel Maines, *The Technology of Orgasm: 'Hysteria', the Vibrator and Women's Sexual Satisfaction* (Johns Hopkins University Press, 1999) esp. Preface and Chapter 4 (ix-xvi; 67-110), on reserve in the Whipple Library (Z1331)
- 21 November Special workshop session on teaching gender and science: Cathy Gere, 'Hard or soft? Gender and the spectrum of sciences', lecture draft to be circulated

## 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. 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 Jenny Downes if you are interested in giving a paper or adding your name to the e-mail list.

- 16 October **Katie Eagleton (HPS, Cambridge)**  
Three men and a boat: John Dee, Oronce Fine, 'S.F.' and the navicula sundial in the 16th century
- 27 November **Adelheid Voskuhl (Cornell University/Deutsches Museum, Munich)**  
Mechanical motion – free agency: on the construction and interpretation of automata in 18th century Europe

## Philosophy Workshop

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

- 23 October **Anandi Hattiangadi:** A more successful semantics?
- 6 November **Jan Westerhoff:** The underdetermination of typings
- 20 November **Axel Gelfert:** Testimonial skepticism
- 4 December **Neil Manson:** Vats, rats and animats: can the brain occupy a virtual world?

## Science and Literature Reading Group

The group will meet fortnightly, on Tuesday evenings at 8pm, in the Godwin Room at Clare College. After the meetings we usually go for a drink in the college bar. Everyone is welcome. Organised by Jim Endersby.

**Imagining scientists:** This term will be a continuation of our examination of the images of scientists in literature, taking it through the late nineteenth and into the twentieth century. However, everyone is welcome regardless of whether they came last term.

- 22 October Robert Louis Stevenson, 'Dr Jekyll and Mr Hyde' (1886)
- 5 November HG Wells, 'Ann Veronica' (1909)
- 19 November CP Snow, 'The New Men' (1966)
- 3 December Tom Stoppard, 'Arcadia' (1993)

## EPACTS

*Early Physics, Astronomy, Cosmology and Technology Seminar*

This term EPACTS will be reading and discussing a recent secondary source, Pamela Long's *Openness, Secrecy, Authorship: Technical Arts and the Culture of Knowledge from Antiquity to the Renaissance* (Baltimore, 2001) [WL T.382]. The meetings will take place fortnightly on Wednesdays at 6pm in M4 New Court, Trinity College. Everyone is welcome. Organised by Adam Mosley.

- 23 October Introduction & Ch. 1, 'Open Authorship within Ancient Traditions of Techne and Praxis', pp. 1-45

6 November	Ch. 2, 'Secrecy and Esoteric Knowledge in Late Antiquity' & Ch. 3, 'Handing Down Craft Knowledge', pp. 46-101
20 November	Ch. 4, 'Authorship on the Mechanical Arts in the Last Scribal Age', pp. 102-142
4 December	Ch. 5, 'Secrecy and the Esoteric Traditions of the Renaissance', & Ch. 6, 'Openness and Authorship I: Mining, Metallurgy and the Military Arts', pp. 143-209

## *Science and the Visual Reading Group*

**“Pleasure and the Visual”:** For Michaelmas term, the Science and the Visual Reading Group will focus on “Pleasure”. Pleasure, we assume, is a crucial part of the visual cultures of natural, life and medical sciences. Readings and discussion will consider the historiographical relevance and use of visual pleasure – or pleasure in the visual – as an object and category of analysis.

The first meeting is on Friday 11 October, 11am-12noon in Seminar Room 2. Subsequent meetings are held fortnightly on Fridays, 1-2pm in Seminar Room 1. Following this meeting, we will discuss readings for subsequent weeks. Organised by Michael Bresalier, Tatjana Buklijas and Ayako Sakurai.

## *Medieval Science & Philosophy Reading Group*

We will be reading ‘Questions on Book X of the Ethics’ by Albert the Great, in *Volume Two: Ethics and Political Philosophy of the Cambridge Translations of Medieval Texts*. The group will meet in L1 Great Court, Trinity College, at 1pm on Thursdays, and each session will consist of a discussion of a section of the text, introduced by one member of the group. The text is available in the philosophy section of Heffers. Everyone is welcome, and welcome to bring their lunch. Further information is available from David Chart.

## *Philosophy of Language Reading Group*

We will be reading articles from the newly published *Rule-Following and Meaning*, edited by Alexander Miller and Crispin Wright (Acumen, 2002). The book should be available in paperback in the Philosophy section at Heffers, and a copy has been placed on reserve in the Whipple Library. Each meeting of the group will focus on one article, with a member of the group offering an informal presentation, followed by a general discussion. Since all the articles are responses to Kripke’s *Wittgenstein on Rules and Private Language*, it might be a good idea to have had a look at that too. Meetings will take place on Tuesdays 1–2pm in Room 7. All are welcome, and please feel free to bring your lunch. Organised by Mark Sprevak, Axel Gelfert and Christina McLeish.

15 October	Simon Blackburn, ‘The Individual Strikes Back’
22 October	Colin McGinn, ‘Wittgenstein, Kripke and Non-Reductionism about Meaning’
29 October	Crispin Wright, ‘Critical Notice of Colin McGinn’s Wittgenstein on Meaning’
5 November	Crispin Wright, ‘Meaning and Intention as Judgement Dependent’
12 November	Paul Boghossian, ‘The Rule-Following Considerations’ Sect. I–IV
19 November	Paul Boghossian, ‘The Rule-Following Considerations’ Sect. V–VI
26 November	Philip Pettit, ‘The Reality of Rule-Following’
3 December	Ruth Garrett Millikan, ‘Truth Rules, Hoverflies, and the Kripke–Wittgenstein Paradox’

## *Latin Therapy Group*

We are a group of postgraduate historians of science (and some other disciplines) who have to read Latin sources as part of our research. The aim is general language practice for those whose Latin is rusty (or never got to the stage where it had the chance to rust!), and mutual help with translation of difficult passages. Members take turns to bring short extracts from the texts they are working on to the whole group; these are circulated several days before the meeting so that we can all have a shot at translating them and compare our results. We meet 3 - 4.30pm on Fridays in Seminar Room 1 starting 11 October. No text is too bizarre for us, whether classical, medieval or neo-Latin! Please contact Jenny Downes if you are interested in joining.

# Lent Term 2003

## *Departmental Seminars*

Seminars meet at 4.30pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science. There is tea beforehand in Seminar Room 1 at 4pm. Organised by Simon Schaffer.

16 January      **Jennifer Tucker (Wesleyan University)**  
Nature exposed: problems of trust in Victorian photography, 1860-1880

At first glance, it might be unclear how Victorian lantern slides and photographs of natural phenomena such as stars, electric sparks, geological strata, bacteria, and clouds could suggest anything about the period in which they were made, especially politics, gender, and everyday social life. What can such pictures – often blurry and unattributed – tell us about the complex forces of political and social change in Victorian England? Yet, as I hope to demonstrate, photographs like these were part of a colonial system of scientific exchange whose creation and transformation during the nineteenth century reveal a great deal about the nature of power and scientific authority in Europe during the age of industry and empire.

Recent scholarship has begun to question the broadly uncritical assumption of photographic truth that used to dominate historical literature – and that, to a great degree, still does. Yet despite growing appreciation among historians of the significance of colonialism, class transformation, and emerging sexual and racial ideologies for Victorian science, little attention has been paid to the significance of these forces in shaping social attitudes toward photography. This is especially true for photography in the Victorian physical and life sciences of astronomy, biology, meteorology, physiology, geology, and natural history. Unlike photography in anthropology and medicine, photographs of electric sparks, lightning, rocks, and fossils are rarely studied outside the domains of an elite intellectual history. As I will suggest, however, the politics of power and truth that conditioned the acceptance of photographs as ‘evidence’ were shaped by forces similar to those that produced other aspects of Victorian culture: from the doctrine of ‘separate spheres’ to the naturalization of sexual, racial, and class differences by reference to mental ‘traits’ to the creation of institutional relations between science and the state. It is to these broader forces that we must turn, I suggest, if we are to understand the power that photographs – especially scientific photographs – exercised in Victorian society.

23 January      **Mark Phillips (University of British Columbia)**  
Constructing historical distance

Historians have generally considered historical distance as a function of the interval between the events or experiences represented and the time of representation. On this view, distance seems relatively unproblematic: a matter of balancing losses of evidence against increased clarity and understanding. This view is harder to sustain when we consider that historical accounts not only receive but also construct distance. In this paper I will argue that the construction of historical distance is a central function of all historical accounts and one that operates on a variety of levels; more specifically, it should be seen as a combination of formal, affective, ideological, and cognitive distances. Thinking about distance as a complex balance of this sort provides a useful approach to individual texts, but also some possible tools for thinking about schools, genres, or media of historical representation and their changes over time.

30 January      **Rupert Read (University of East Anglia)**  
Kuhn: a Wittgenstein of the sciences?

I will argue (1) that Kuhn’s notorious ‘world changes’ remarks are perfectly reasonable and Wittgensteinian, and (2) that what Kuhn is most essentially doing throughout his philosophical work is, as Wittgenstein put it, asking us to give up the fantasy that our concepts are ‘absolutely the correct concepts’. I will suggest, further and in sum, that (3) Kuhn can be read with profit as in important part a ‘therapeutic’ philosopher, as Wittgenstein should be read. I will also, however, urge (4) that Kuhn does not succeed in maintaining a philosophical identity, despite his strenuous efforts, because he is also caught up with the fantasy of being a scientist of science.

6 February      **Steven Johnston (Museum of the History of Science, Oxford)**  
Copernicus and the lodestone: mathematics, magnetism and astronomy in Elizabethan England

In his recent biography *Latitude and the Magnetic Earth*, Stephen Pumfrey has argued that William Gilbert was a unique Copernican. Rather than founding his cosmology on a commitment to mathematics – as did most early Copernicans – Gilbert arrived at heliocentrism through his new natural philosophy of the lodestone. This paper uses the work of his contemporary Thomas Digges to re-examine Gilbert's use of mathematics in *De magnete* (1600). Digges published on both magnetism and Copernican astronomy in the 1570s and I argue that his mathematical programme requires a redefinition of the character of English magnetic culture and of Gilbert's place within it.

13 February      **Rae Langton (University of Edinburgh)**  
Phenomenal force

As a philosopher, Kant denies knowledge of things in themselves. As a physical theorist, he affirms that matter is constituted by relational forces. Putting these together, phenomena are constituted by relational forces. This has significant implications for Kant's philosophy, and his theory of matter.

20 February      **Andreas Mayer (Max Planck Institute, Berlin)**  
Walking experiments? From the laboratory to the field and back again

In 1883, the French physiologist Etienne-Jules Marey gave a rather ambiguous account of the progress of his own discipline. In his view, to confine physiological experimentation to closed and controlled spaces such as laboratories and to the vivisection of animals was not merely a success strategy, but also created serious obstacles to the study of the life functions of higher organisms. Marey's complaint was part of his plea for another type of laboratory that he had set up with his new 'Physiological Station' in the open air and that should allow the physiologist 'to observe nature in its own domain'. With this new site, the study of human and animal locomotion moved from the closed space of the tiny laboratory at the Collège de France to the outskirts of Paris, following the example of the field sciences (such as agriculture, botany, or oceanography). In my paper, I will argue that Marey's new site of experimentation constituted a particular solution to the general problems of scientists who chose to study human and animal locomotion, an object that was both of scientific and political interest during the nineteenth century. These problems will be shown to be relevant in other cases from German and French research on walking bodies.

27 February      **Jose Zalabardo (University College London)**  
Wittgenstein on accord

I discuss the interpretation of Wittgenstein's views on the power of occurrent mental states to sort objects or states of affairs as in accord or in conflict with them, as presented in the rule-following passages of the 'Philosophical Investigations'. I argue first that the readings advanced by Saul Kripke and John McDowell fail to provide a satisfactory account of Wittgenstein's treatment of a platonist approach to this phenomenon, according to which the sorting power of occurrent mental states is to be explained by reference to the mind's ability to grasp universals. I contend that the argument that Kripke extracts from Wittgenstein's discussion doesn't succeed in undermining the platonist position. Then I argue that McDowell's reading exhibits a more serious shortcoming: the position that he ascribes to Wittgenstein is indistinguishable from the Platonist account. Then I put forward a proposal as to how to articulate the relationship between Wittgenstein's views and the platonist position.

6 March          **Joan Richards (Brown University)**  
'The very verge of paradox': the worlds of Augustus De Morgan and William Frend, 1827-1841

Augustus De Morgan and William Frend first met in 1827. At the time, De Morgan was 21, and Frend was 70. In the years that followed the two men became the best of friends, evidently joined by their religious non-conformity, their love for mathematics, their fascination with astronomy and, in 1837, De Morgan's marriage to Frend's oldest daughter. Excluding for the moment De Morgan's marriage, however, a closer look at Frend and De Morgan reveals a yawning generational chasm behind their apparent agreements, an unbridgeable gap that essentially separated them. The paper will consider the paradoxically incommensurable worlds of the aging Georgian and the up and coming Victorian as a guide to the historical forces that shaped science in early Victorian England.



13 March      **John Harley Warner (Yale University)**  
Aesthetics, identity, and the grounding of modern medicine

During the past two decades, our understanding of the shaping of modern medicine has been transformed by relentlessly situating cognitive and social change and choice within the marketplace. Yet, in the growing historiographic preoccupation with the performative character of medicine there is some risk of reducing aesthetic choices to mere show, whereas I want to suggest that they were constitutive elements of medical culture and crucial to constructions of self. In this talk I focus on just two late-nineteenth- and early-twentieth-century documentations of medical work that were not produced chiefly for lay public display: the hospital patient record and dissection-room photographic portraiture. These quasi-covert genres of representation incorporated aesthetic choices at the same time that they expressed epistemological and moral values. Neither was created for open scrutiny in the wider marketplace, but both, I will argue, were important in telling medical students and practitioners who they were in ways that anchored their identities as practitioners of ‘modern medicine’.

## *History of Medicine*

Seminars will take place on Tuesdays from 1.00 - 2.00pm in Seminar Room 1. Please feel free to bring your lunch.

### **History of Modern Medicine and Biology**

Organised by Sarah Hodges and Soraya de Chadarevian.

- 21 January      **Richard Smith (Cambridge Group for the History of Population and Social Structure)**  
Making sense of the modern rise of adult longevity and maximal life extent after 1700
- 4 February      **Tatjana Buklijas (HPS, Cambridge)**  
Imperial bodies: supplying Viennese anatomy after 1848
- 18 February     **Michael Worboys (University of Manchester)**  
Bacteriology and the unsexing of disease: gonorrhoea in Britain, 1860-1920
- 4 March         **Kim Taylor (Needham Research Institute and HPS, Cambridge)**  
Wu Liande and the control of cholera in Early Republican China, 1911-1937

### **Early Medicine and Natural Philosophy**

Organised by Lauren Kassell.

- 28 January      **Bettina Bildhauer (Emmanuel College, Cambridge)**  
‘Life depends on blood’: blood and the conception of the human being in medieval German medical texts
- 11 February     **Peter Foreshaw (Birkbeck College, University of London)**  
From kidney stones to philosophers’ stone: alchemy and medicine in the works of Heinrich Khunrath of Leipzig (1569-1605)
- 25 February     **Penelope Gouk (University of Manchester)**  
Harmony and healing: music’s role in Paracelsian medicine
- 11 March        **Louella Vaughan (Oriental College, Oxford)**  
‘Some observations on poisons’: myths and medical meaning in the Early Modern period

## *Psychoanalysis and the Humanities*

Seminars take place on alternate Wednesdays at 5.00pm in Seminar Room 2. Tea is served from 4.40pm. All welcome. Organised by Mary Jacobus and David Hillman.

- 22 January      **Elizabeth Cowie (University of Kent)**  
The cinematic dream-work of Ingmar Bergman’s *Wild Strawberries* (1957)
- 5 February      **Mark Cousins (Architectural Association)**  
The insistence of the image: Hitchcock’s *Vertigo* and psychoanalysis
- 19 February     **Anne Alvarez (Tavistock Institute; Practising Psychoanalyst)**  
Imagining reality
- 5 March         **Trudi Tate (Clare Hall, Cambridge)**  
The writing of trauma: Australian Vietnam veterans

# Psy Studies

*History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences*

All seminars are at 5.00pm in Seminar Room 2 on alternate Wednesdays. Tea is served before each seminar at 4.40pm. Organised by John Forrester and Deborah Thom.

- 29 January **Martin Richards (Centre for Family Research, Cambridge)**  
The first experiment in selective breeding of the eugenic era: stirpiculture at the Oneida Community, 1869-1879
- 12 February **John Burnham (Ohio State University)**  
The history of the psychiatric couch cartoon
- 26 February **Andreas Mayer (Max Planck Institute, Berlin)**  
Psychoanalysis and pastoral care: Jung, Pfister and the case of 'Mrs F.'
- 12 March **Gerard Duveen (Social and Political Sciences, Cambridge)**  
Piaget and Freud

# 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! For further information contact Sujit Sivasundaram.

- 20 January **Helen Blackman (HPS, Cambridge)**  
Pride goes after a fall: the Cambridge School of Zoology and the death of Frank Balfour
- 27 January **Ruth Richardson (author of Death, Dissection and the Destitute)**  
Edwin Chadwick's reputation
- 3 February **Elizabeth Green Musselman (Southwestern University)**  
Wandering and settling: a paradox of imperial natural history?
- 10 February **Janina Wellman (Max Planck Institute, Berlin)**  
Soldiers, artists and butterflies: nature as sequence
- 17 February **Ed Russell (University of Virginia)**  
Let slip the dogs of yore: key words and canine breeding in nineteenth-century Britain
- 24 February **Alex Marr (New College, University of Oxford)**  
A Wiltshire Wunderkammer: William Beckford's romantic natural history
- 3 March **David N. Livingstone (Queen's University, Belfast)**  
Public events and the fortunes of evolutionary theory in the Calvinist cultures of Scotland and Ulster
- 10 March **FENS TRIP led by Frances Willmoth**

# Epistemology Reading Group

Even though it fell stillborn from the presses, we will be reading *A Treatise of Human Nature*, Book I, by David Hume. Each meeting of the group will focus on one segment of the text, with a member of the group offering a preliminary presentation, followed by a general discussion. Meetings will take place on Thursdays at 2.00pm in Seminar Room 1 and are open to all. Organised by Peter Lipton.

- |            |                       |             |                        |
|------------|-----------------------|-------------|------------------------|
| 16 January | Part 1                | 13 February | Part 3, Sections 11-13 |
| 23 January | Part 2                | 20 February | Part 3, Sections 14-16 |
| 30 January | Part 3, Sections 1-6  | 27 February | Part 4, Sections 1,2   |
| 6 February | Part 3, Sections 7-10 | 6 March     | Part 4, Sections 3-7   |

# 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, or articles intended for publication. 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 Jenny Downes if you are interested in giving a paper (new PhD students welcome) or adding your name to the e-mail list.

- 22 January **Mioara Deac (University of Notre Dame)**  
Looking into a darkened window: psychology, ideas of the afterlife, and ‘the inner eye of the Victorians’, England, 1850-1900
- 5 February **James Navarro (HPS, Cambridge)**  
Atomism in late Victorian Cambridge: J.J. Thomson on corpuscles
- 19 February **Tatjana Buklijas (HPS, Cambridge)**  
Dissection in medical education at Vienna University, 1848-1914
- 5 March **Helen Macdonald (HPS, Cambridge)**  
(title to be arranged)

## *Philosophy Workshop*

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

- 29 January **Ben Cockayne:** Against trumping and influence
- 12 February **Mark Sprevak:** Fodor vs. inferential role semantics: a draw
- 26 February **Tim Lewens:** Natural inequalities and norms of reaction
- 12 March **Christina McLeish:** Epistemological constraints on reference for realism

## *Science and Literature Reading Group*

The group meets fortnightly on Tuesdays at 8pm in the upstairs seminar room at Darwin College. (Please note: this is a different venue from the last few terms!) The discussion finishes at around 10pm and is usually followed by a drink in the college bar. Everyone is welcome. Organised by Jim Endersby.

**Science and Literature in the Nineteenth Century:** We will be reading most of *Literature and Science in the Nineteenth Century – An Anthology*, edited by Laura Otis (Oxford University Press). The book includes extracts from a wide range of nineteenth-century texts in both literature and the sciences and is fairly cheap (£9.99). Copies will also be available in the Whipple Library.

- 21 January ‘Prologue: Literature And Science’ and Section 1: ‘Mathematics, Physical Science, and Technology’
- 4 February Section 2: ‘Sciences of the Body’
- 18 February Section 4: ‘Sciences of the Mind’
- 4 March Section 5: ‘Social Sciences’

## *Medieval Science & Philosophy Reading Group*

We will be reading two works by Averroës, the *De Substantia Orbis* and the *Decisive Treatise*. *De Substantia Orbis*, which we will read first, is out of print, but there is a copy on reserve in the Whipple Library. There is also a copy in the UL, but I am using that one, so please do not recall it. The *Decisive Treatise* is in print in a parallel text edition from Brigham Young University Press, and is available in Heffers, in the Arabic section (upstairs on the left, towards the back). The group will meet in L1 Great Court, Trinity College, at 1pm on Thursdays, and each session will consist of a discussion of a section of the text, introduced by one member of the group. Everyone is welcome, and welcome to bring their lunch. Further information is available from David Chart.

# EPACTS

*Early Physics, Astronomy, Cosmology and Technology Seminar*

This term we shall be reading and discussing the *Astronomica of Manilius*, in the widely available Loeb edition and translation by G. P. Goold [WL U.215]. The meetings will take place fortnightly on Wednesdays at 6pm in M4 New Court, Trinity College. Everyone is welcome. Organised by Adam Mosley.

## *Science and the Visual Reading Group*

The Science and the Visual Reading Group meets fortnightly on Fridays at 1pm in Seminar Room 1. This term's topic is collecting. Copies of the readings are deposited in the Science and Visual Reading Group Box in the Whipple Library one week in advance of each meeting. All are welcome. Feel free to bring your lunch! Organised by Michael Bresalier, Tatjana Buklijas and Ayako Sakurai.

17 January	The Order of Things
31 January	On Objects and Collecting
14 February	Genealogy of Collecting I:
28 February	Genealogy of Collecting II:
14 March	Ethnographical Collections

## *Philosophy of Language Reading Group*

We will be reading *Spreading the Word* by Simon Blackburn (Oxford University Press, 1984). The book was written so as to be accessible to a wide audience. It should be available in paperback in the Philosophy section at Heffers, and a copy has been placed on reserve in the Whipple Library (M649). Each meeting of the group will focus on one chapter, with a member of the group offering an informal presentation, followed by a general discussion. Meetings will take place on Mondays 1–2pm in Seminar Room 2. All are welcome, and please feel free to bring your lunch. Organised by Mark Sprevak, Axel Gelfert and Christina McLeish.

20 January	Chapter 1, 'The Shape of the Problems'
27 January	Chapter 2, 'How is Meaning Possible? (1)'
3 February	Chapter 3, 'How is Meaning Possible? (2)'
10 February	Chapter 4, 'Conventions, Intentions, Thoughts'
17 February	Chapter 5, 'Realism and Variations'
24 February	Chapter 6, 'Evaluations, Projections, and Quasi-Realism'
3 March	Chapter 7, 'Correspondence, Coherence, and Pragmatism'
10 March	Chapter 8, 'Truth and Semantics'

## *Latin Therapy Group*

We are a group of postgraduate historians of science (and some other disciplines) who have to read Latin sources as part of our research. The aim is general language practice for those whose Latin is rusty (or never got to the stage where it had the chance to rust!), and mutual help with translation of difficult passages. Members take turns to bring short extracts from the texts they are working on to the whole group; these are circulated several days before the meeting so that we can all have a shot at translating them and compare our results. We meet 4.00 - 5.30pm on Fridays in Seminar Room 2. No text is too bizarre for us, whether classical, medieval or neo-Latin! Please contact Jenny Downes if you are interested in joining.

# Easter Term 2003

## *Eighth Annual Hans Rausing Lecture*

**David Edgerton (Imperial College, London)**

Putting the military back in: warfare states, technology and science in the twentieth century

Thursday 22 May at 4.30pm, The Old Labs, Newnham College, Cambridge

## *Departmental Seminars*

Unless otherwise stated, seminars meet at 4.30pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science. There is tea beforehand in Seminar Room 1 at 4pm. Organised by Simon Schaffer.

24 April            **Marina Frasca-Spada (University of Cambridge)**  
Belief and animal spirits in Hume's 'Treatise'

The terminology Hume uses for his descriptions of the sentiments characterising belief – the 'force', 'vivacity' and 'steadiness' of conception – is derived from the contemporary physiology of animal spirits and brain traces in the style of Malebranche. In this paper I show how studying the ways those terms were used within Malebranchean physiology provides a key to Hume's usage. In particular, I suggest that as in the accounts of the motions of animal spirits so too in Hume's descriptions of belief there is a crucial difference between 'force' and 'vivacity', which refer to intensity, and 'steadiness', which is connected with repeated experience and custom. Hume's phenomenological descriptions of belief in terms of force and vivacity are substantiated with vignettes from common life and sociability, and account for the sentimental raw materials of belief on which experience and custom exercise their stabilizing and calibrating action.

1 May                **Anna-Katherina Mayer (University of Cambridge)**  
History of science and 'the end of ideology'

The Cambridge historian Herbert Butterfield combined a stellar academic career with a broader commitment to a more general educational mission, attempting to shape post-war culture by disseminating his outlook through the airwaves and through bodies like the Historical Association, the leading organization of teachers of history in Britain. One of the very few British historians of his era to take a serious interest in the history of science, he helped secure the field a place on the academic map, and more than that, he worked tirelessly to put it on a much larger map, bringing the history of science to the attention of radio audiences and teachers in secondary schools. History, he assumed, was an ideal conductor for scientific acculturation.

Butterfield's generation of science historians moulded perception of science in highly specific ways. Whereas in the 1930s attempts had been made to explain innovation in socio-economic terms, in post-war historiography the birth of modern science was portrayed as an intellectual revolution. Anti-Marxism formed a defining feature of the process by which this idealist image of scientific work as a disinterested journey of the mind was institutionalized. Nowhere does this silent conversation with Marxism come out more clearly than in the way in which young historians and their potential as teachers of the nation became assessed at this time. I will show on a number of examples that rather than spelling the end of ideology, appointments processes in the early Cold War years reveal disagreement about what science was to be invariably coextensive with dissent about social and political order.

8 May                **Patrick Curry (Bath Spa University College)**  
Astrologia Rediviva

The scholarly study of astrology has recently re-entered British universities after an absence of more than three centuries. Patrick Curry will outline how he approaches the subject in that context, principally through the ideas of Max Weber concerning the rationalisation and hence the disenchantment of the world. This starting-point offers a coherent way through which to understand the key historical interactions of astrology with what have long been the dominant discourses of its ideological environment, namely Christianity, natural philosophy and modern science.

15 May            **Denis McManus (University of Southampton)**  
Heidegger, intelligibility and objectivity

The paper will present a reading of Heidegger's early 'Fundamental Ontology', focusing on the explanatory/descriptive aims of that project. In doing so, I will explore a possible reconceptualisation of the contribution made by human practice to the constitution of objects of scientific study, and of where, when and how an awareness of that contribution may lead us to describe some of these findings as 'artefactual' or, in some sense, 'subjective'. The paper will make some tentative suggestions about how these concerns might relate to Heidegger's discussion of 'authenticity' and 'conscience'.

29 May            **Matteo Mameli (London School of Economics)**  
Rethinking heredity

Fifty years ago, in Cambridge, Watson and Crick discovered the double-helical structure of DNA. It was an important discovery, which led to many other successes in molecular genetics. But the combination of that discovery with some powerful and entrenched (but mistaken) folk-hereditarian ideas generated the DNA-based view of heredity. This paper argues that many recent findings from developmental biology and some considerations about the causal role of DNA tell us that we should abandon the DNA-based view of heredity. And it argues that we should abandon it both when we are thinking about the inheritance of traits (i.e. in the context of developmental biology) and when we are thinking about the inheritance of differences (i.e. in the context of natural selection theory). There is more to heredity than DNA transmission. The intergenerational stability of phenotypic traits requires the intergenerational stability of both genetic and nongenetic developmental factors. And the intergenerational stability of phenotypic differences can be due to the intergenerational stability of both genetic and nongenetic differences. This means that many (but not all) nongenetic developmental factors should be conceived of as inherited. By adopting this 'extended' (but not holistic) view of heredity, we can achieve a better understanding of developmental and evolutionary processes and, thereby, a better understanding of life and of ourselves.

5 June            **James Delbourgo (McGill University)**  
How to handle an electric eel: experimental natural history in the Americas

In the eighteenth century, naturalists struggled, physically and intellectually, to handle an intriguing yet dangerous curiosity that had recently come to their attention: electrical fish. Torporific or numb-eels had been known since antiquity, but their electrical nature was not recognized before the Enlightenment. Rediscovered after 1750, these creatures ultimately provided organic models for the artificial generation of electric current, as established by the invention of the Voltaic Pile in 1800. Rather than recount the history of that well-known research programme, however – one centred around experiments on the Torpedo fish conducted in Europe – this paper investigates the lesser-known history of the Torpedo's American cousin: the electric eel, or *Gymnotus electricus*. Interest in electrical fish in Britain was catalyzed by the work of Edward Bancroft, a Massachusetts physician living in Dutch Guiana, who came to London as a friend of Benjamin Franklin, and became a Fellow of the Royal Society and American political agent (and later a British spy). This paper explores three issues raised by Bancroft's *Natural History of Guiana* (1769): the practice of an 'experimental natural history' using the human body as an instrument simultaneously to construct natural-historical and philosophical knowledge of the eel's electrical nature; the colonial social relations in Dutch Guiana (Surinam) which made this knowledge possible, particularly the role of indigenous expertise; and the circulation of this knowledge around the Atlantic world, from Guiana to the eastern seaboard of British America, and finally to London.

12 June            **Evelleen Richards (University of Sydney)**  
The making of sexual selection, or, a gentleman's guide to choosing a proper mate and breeding a better race

Charles Darwin's concept of sexual selection played a vital, if subsidiary role in his theory of evolution. It was crucial to his defence of his primary mechanism of natural selection against the established theory of special creation, and, even more importantly to his interpretation of human biological and social evolution. In his 'Descent of Man; or Selection in Relation to Sex' of 1871, Darwin argued that sexual selection was primarily responsible for human racial and sexual differences, not just physical differences, but what he called differences in the 'mental powers', i.e. emotional, intellectual and moral differences. It was this insistence by Darwin on the biological basis of these presumed intellectual and moral differences as the raw material on which natural and sexual selection might operate that made his work so vulnerable to the play of political and ideological forces. Darwinism was central to the scientific racism that dominated late-Victorian anthropological and social theory, and it also played a

leading role in subverting the liberal egalitarian roots and aspirations of nineteenth century middle-class feminism. Darwin himself made specific contributions to this scientific ratification of Victorian assumptions of white, middle-class male supremacy. This paper retraces Darwin's path to sexual selection from his notebook references and constructions of the 1830s and 40s, and analyses his major sources in the contexts of the democratic politics and doctrines of self-development of the radical anatomists of the early nineteenth century; of contemporary attitudes to relations between the sexes, to female sexuality and educability and to issues of class and racial progress, and to the activities and interests of animal breeders or 'improvers'.

30 June, 5pm **Steven Shapin (University of California, San Diego)**  
Aristotle and the industries: the scientist and the organization in twentieth-century America

William H. Whyte's 'The organization man' (1956) was one of the more influential post-World War II condemnations of the effects that large-scale organization, and especially industrial organization, was having on the possibilities of American scientific creativity and technological innovation. Whyte was a journalist, but the sentiments of his book resonated with Robert Merton's identification of 'the scientific ethos' and related academic appreciations of the nature of science and the social conditions required for its successful prosecution. I want to compare these sentiments with views of organized science emerging from commentators closer to 'shop-floor' realities, especially from American industrial research managers in the period from circa 1900 to circa 1960. What did they mean when they said that scientific work could and should be organized into 'teams', that it could and should be planned, and that the industrial scientist ought to display the social virtues? What did they think science was, such that it could be so planned and organized? And who did they think the scientist was, such that he ought to be a 'team player'. What's at issue here is, inter alia, contrasting views of the nature of knowledge, the knower, and the means by which knowers make knowledge in late modernity.

## *Psychoanalysis and the Humanities*

Seminars take place on alternate Wednesdays at 5pm in Seminar Room 1. Tea is served from 4.40pm. All welcome. Organised by Mary Jacobus and David Hillman.

30 April **Michael Brearley (British Psychoanalytic Society)**  
The psychoanalyst's neutrality: cold or containing?  
14 May **Victor Burgin (Goldsmith's College, University of London)**  
Mies in Maurelia  
28 May **Victoria Stevens (Los Angeles Psychoanalytic Institute)**  
What is the speed of dark: schooling the unconscious imagination

## *Psy Studies*

*History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences*

**Ruth Harris (New College, Oxford)**

Unconscious and Catholicism in France, 1860-1910

Wednesday 21 May at 5pm in Seminar Room 1 (with tea served from 4.40pm)

## *History of Modern Medicine*

**Laura Chazaro (HPS and El Colegio de Michoacan)**

Making room for medical instruments: pelvimeters and forceps in nineteenth-century Mexico

Tuesday 20 May, 1-2pm in Seminar Room 1

This session will differ slightly from our usual format. The paper will be available one week beforehand (contact Sarah Hodges) and Dr Chazaro will kick off the hour with a few words situating the paper within her larger project. We will then spend the remainder of the hour discussing the pre-circulated text. All welcome.

## 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! For further information contact Sujit Sivasundaram.

- 28 April **Chien-Hui Li (Wolfson College, Cambridge)**  
Mobilizing religion in the anti-vivisection movement in Britain, 1875-1914
- 12 May **Julia Voss (Max Planck Institute for the History of Science, Berlin)**  
Darwin the formalist: the sequence of the Argus pheasant's feather in *Descent of Man*
- 19 May **Jonathan Topham (University of Leeds)**  
Taking scissors and paste to nature: the 'Mirror of Literature' (1822-49) and the invention of popular science
- 26 May **Liba Taub (HPS, Cambridge)**  
Out of the hands of Zeus: characterising ancient meteorology
- 2 June **Judith Green (King's College, Cambridge)**  
Collecting China: types and taxonomies
- 9 June **CABINET GARDEN PARTY**  
12noon in King's College Fellows' Garden, Queens' Road; with a short talk:  
**Sujit Sivasundaram (Gonville and Caius College, Cambridge)**  
Captive elephants, the East India Company's army and anthropomorphism

## Epistemology Reading Group

We will be reading Hilary Putnam's *Reason, Truth and History* (CUP, 1981). The book is available in paperback from the CUP bookshop, and two copies are on reserve in the Whipple Library. Each meeting of the group will focus on one chapter, with a member of the group offering a preliminary evaluation, followed by a general discussion. Meetings will take place on Thursdays at 2pm in Seminar Room 1 (except the meeting on 8 May, which will be in Seminar Room 2) and are open to all. Organised by Peter Lipton.

- |          |                                  |         |  |
|----------|----------------------------------|---------|--|
| 24 April | 'Brains in a Vat'                | 29 May  | 'Fact and Value'   |
| 1 May    | 'A Problem about Reference'      | 5 June  | 'Reason and History'   |
| 8 May    | 'Two Philosophical Perspectives' | 12 June | 'The Impact of Science on Modern Conceptions of Rationality' |
| 15 May   | 'Mind and Body'                  |         |  |
| 22 May   | 'Two Conceptions of Rationality' | 19 June | 'Values, Facts and Cognition'                                |

## Environmental History Reading Group

The Environmental History Reading Group meets on Tuesdays at 3.00pm in Seminar Room 2. Copies of readings are available in the Whipple Library. Everyone is welcome. Organised by Edmund Russell. This term we are featuring two works that won prizes in 2003 from the American Society for Environmental History.

- 29 April John Soluri, 'Accounting for Taste: Export Bananas, Mass Markets, and Panama Disease', *Environmental History* (July 2002)
- 13 May William Boyd, 'Making Meat: Science, Technology, and American Poultry Production', *Technology and Culture* 42 (October 2001): 631-664.
- 3 June Timo Myllyntaus and Mikko Saikku, *Encountering the Past in Nature: Essays in Environmental History* (Athens: Ohio University Press, 2001). Selected portion will be placed on reserve at Whipple when our ordered copy of the book arrives

## 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. We meet on alternate Wednesdays at 1pm in Seminar Room 1. Papers are circulated by e-mail before each meeting, and a copy is left in Box File 30 in the Whipple Library. Please contact Katherine Angel if you would like to give a paper or add your name to the e-mail list.



- 14 May           **Susan Gamble:** The lure of the illusion: Gabriel Lippmann's 'Virtual Reality' of 1908  
 28 May           **Ayesha Nathoo:** Negotiating the transplantable heart: medical communication in Britain, 1968  
 11 June           **Katie Eagleton and Matthew Spencer:** Using science to do history: making manuscript  
 stemmas using methods from evolutionary biology

## *Philosophy Workshop*

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Meetings take place every other Wednesday at 1pm in Seminar Room 1, and are open to all researchers. For more information or to add your name to the list of e-mail recipients, contact Tim Lewens.

- 7 May            **Thomas Forster:** TBA  
 21 May           **Peter Lipton:** The empirical stance  
 4 June            **Martin Kusch:** Kripkenstein and SSK  
 18 June           **Axel Gelfert:** Empiricism and the function of testimony

## *Science and Literature Reading Group*

The group will continue to meet fortnightly, but we are changing the day and time to Wednesday evenings at 7.30pm, in the upstairs seminar room at Darwin College. After the meetings we usually go for a drink in the college bar. Everyone is welcome. Organised by Jim Endersby.

This term we will be reading a series of critical essays that deal with some of the more theoretical aspects of reading and writing science and literature. A collection of these – for which there will be a small charge – will be available from Jim Endersby at the start of term.

## *Science and the Visual Reading Group*

This term we discuss 'Science and Cinema'. Meetings are every other Friday, starting 25 April, at 1pm in Seminar Room 1. Readings are available for photocopying in the Science and the Visual Reading Group box in the Whipple Library. We'll also have a special screening of Fritz Lang's *Metropolis* on Sunday 1 June at 5.30pm in the Anthony Low Building, Clare Hall. All are welcome. Feel free to bring your lunch. Organised by Michael Bresalier, Tatjana Buklijas and Ayako Sakurai.

## *Medieval Science & Philosophy Reading Group*

We will be reading selections from *The Cambridge Translations of Medieval Philosophical Texts Volume Three: Mind and Knowledge*. This book is available in paperback from the CUP shop, and there is a copy on reserve in the Whipple Library. The selections are concerned primarily with the nature of the objects of knowledge. The group will meet in L1 Great Court, Trinity College at 1pm on Thursdays, and each session will consist of a discussion of a section of the text, introduced by one member of the group. Everyone is welcome, and welcome to bring their lunch. Further information is available from David Chart.

## *EPACTS*

*Early Physics, Astronomy, Cosmology and Technology Seminar*

This term, EPACTS will be discussing two primary sources. The first of these, Girolamo Cardano's *De Vita Propria Liber* (The Book of My Life), translated by Jean Stoner, is available in several libraries around Cambridge; a new edition, with an introduction by Anthony Grafton, has recently been published by the *New York Review of Books* and is available at a reasonable price from both Amazon and Blackwells. The second source is Polydore Vergil's *De Inventoribus Rerum* (On Discovery), as translated by Brian Copenhaver in the I Tatti Renaissance Library series. This is also available to buy, and hopefully will be in the Whipple by the time we come to read it. All of the meetings will take place fortnightly on Wednesdays at 6pm in M4 New Court, Trinity College. Everyone is welcome. Organised by Adam Mosley.

## *Philosophy of Language Reading Group*

We will be reading papers from Hartry Field's collection *Truth and the Absence of Fact* (Oxford University Press, 2001). Hartry Field has kindly agreed to join the group for a Q&A session at the end of term. His book is available in paperback in the Philosophy section at Heffers, and a copy has been placed on reserve in the Whipple Library (M1341). Some cheap copies have also occasionally been seen in Galloway and Porter. Each meeting of the group will focus on one paper, with a member of the group offering an informal presentation, followed by a general discussion. Meetings will take place on Mondays 1–2pm in Seminar Room 2. All are welcome, and please feel free to bring your lunch. Organised by Mark Sprevak, Axel Gelfert and Christina McLeish.

## *Latin Therapy Group*

We meet 4.00-5.30pm on Fridays in Seminar Room 1, starting on the first Friday of full term (25 April). Coffee, tea and biscuits are provided for refreshment and mental stimulation. No text is too bizarre for us, whether classical, medieval or neo-Latin! Please contact Jenny Downes if you are interested in joining.

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*Cover picture:* Detail of a replica of Watson and Crick's 1953 DNA model, constructed by the MRC Laboratory of Molecular Biology, Cambridge for the Whipple Museum exhibition 'Representations of the Double Helix', curated by Soraya de Chadarevian and Harmke Kamminga. Photograph by David Thompson.