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*Department of History and Philosophy of Science, University of Cambridge
Free School Lane, Cambridge CB2 3RH*

*Tel: 01223 334500 Fax: 01223 334554
hps-admin@lists.cam.ac.uk www.hps.cam.ac.uk*

The Department

Introduction

Welcome to the 2001-2002 Annual Report.

The year got off to a great start when we learned in early December 2001 that we had once again been awarded a 5*A in the Research Assessment Exercise. We submitted more departmental members than any other HPS department in the country so thanks are due to everyone who contributed. RAE results are used to allocate funding, so it is important to submit a high quantity of high quality work, which we did, thanks to our members both young and old!

We have had several changes of personnel, and many of our human resource issues have been solved from within. Tim Lewens, who was a PhD student and then a Research Fellow with us, was appointed to a new University Lectureship in Biomedical Ethics. Neil Manson and Cathy Gere were both appointed as Research Fellows in Bioethics. Sonia Hollins retired from the Library Assistant post at the end of September and Dawn Moutrey was promoted from the office to Sonia's post. Sonia will be staying on in a part-time capacity, helping out in the library and supervising the new study gallery, which will open in January 2003, and Steve Kruse will take over part of Dawn's role in the office.

The Department was fortunate to receive a generous donation from the Rausing family for the appointment of another lecturer in the Department this autumn, as well as providing funds for a studentship from 2003.

Improvements to the building have been ongoing. One of the projects completed this year was the refurbishment of the students' coffee room, which now looks like an internet café, with a new kitchen area, leather couches and high benches for the computers. The Museum has continued the high density, open access storage programme and this has resulted in the creation of a study gallery in the main museum store. We are very much looking forward to making use of this new resource in the future.

Space is still a major issue. The Department continues to grow and we have had to split a couple of rooms to make more individual offices. We may need to have supervision rooms off site in 2002-2003 as it has been necessary to use the supervision rooms as offices, but we are still hoping to obtain a new office or two from our neighbours, and if this happens it will make a huge difference.

Thank you all for making this such a lively and special department – enjoy the Annual Report!

Staff and Affiliates 2001-02

Administrative Staff

Ms Tamara Hug
Ms Dawn Moutrey
Mr David Thompson

Computing Staff

Mr Mark Rogers

Cleaning Staff

Mr Steve Kruse
Mrs Tania Leeds

Library Staff

Mrs Kirsty Corrigan
Mrs Sonia Hollins
Dr Jill Whitelock

Museum Staff

Ms Corrina Bower
Mrs Monica Elsey
Mrs Elizabeth Hart
Mr Boris Jardine
Mr Dale Johnston
Ms Lisa Newble
Ms Catriona West

Teaching Officers

Dr David Corfield
Prof John Forrester
Dr Sarah Hodges
Dr Nick Hopwood
Prof Nick Jardine
Dr Lauren Kassell
Dr Martin Kusch
Prof Peter Lipton
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 Kusukawa
Dr Deborah Thom

Research Fellows

Dr Helen Blackman
Dr Andrew Cunningham
Dr Harmke Kamminga
Dr Richard Noakes
Dr Jutta Schickore

College Fellows

Dr Anjan Chakravartty
Ms Anandi Hattiangadi
Dr Tim Lewens
Dr Neil Manson
Mr Adam J. Mosley
Ms Sophie Page
Ms Katinka Ridderbos
Dr Richard Serjeantson
Dr Karin Tybjerg

Affiliated Scholars

Dr Robert Anderson
Dr Debbie Banham
Dr Andrew Barry
Dr German Berrios
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 David Dewhirst
Dr Thomas Dixon
Dr Matthew Donald
Dr Roger French
Dr Aileen Fyfe

Dr Faye Getz
Dr Jeremy Gray
Dr Ole Grell
Dr John Henderson
Prof Mary Hesse
Dr Mark Hogarth
Dr Dominick Jenkins
Mr Peter Jones
Dr Lisbet Koerner
Prof Geoffrey Lloyd
Mr Scott Mandelbrote
Prof Stephen Mason
Dr Joan Mason
Dr James Moore
Dr Onora O'Neill
Dr Constantine Pagonis
Dr Dorothy Porter
Dr Matthew Ratcliffe
Prof Michael Redhead
Prof Martin Rudwick
Prof Colin A. Russell
Dr Christine Salazar
Dr Max Satchell
Dr Anne Secord
Dr Otto Sibum
Dr Ilina Singh
Dr Richard Smith
Dr Emma Spary
Prof Paul Teller
Dr Jon Topham
Prof Gerard Turner
Dr John van Wyhe
Dr Andrew Wear
Dr Paul White
Dr Frances Willmoth
Dr Elie Zahar

Supervisors

Mr Janke Dittmer
Ms Gill Hudson
Dr Chris Lewis
Dr Patrick Wallis

Visitors and Students 2001-02

Visiting Scholars

Dr Julien Deonna
Dr Jacquemine Garel
Dr Daryn Lehoux
Dr Frank Linhard
Prof Benjamine Macias
Dr Mariko Ogawa
Prof Robert Olby
Dr Tom Ryckman
Dr Fernando Salmon
Dr Erki Tammiksaar

Visiting Students

Leigh Chipman
Gina Dahl
Stephan Fischer
Emese Lafferton
Gregor Schuchardt
Nathalie Trussart
Adelheid Voskuhl

PhD students

Charlotte Bigg
Michael Bresalier
Tatjana Buklijas
Victoria Carroll
Emir Chen
Ben Cockayne
Rachel Cooper
Katrina Dean
Tamas Demeter
Kemal De Soysa
Jenny Downes
Katie Eagleton
Jim Endersby
Kate Fletcher
Gregory Fried
Susan Gamble
Axel Gelfert
Cathy Gere

Christopher Haley

Jeff Kochan
Gerald Kutcher
John Latsis
Helen Macdonald
Anna Mayer
Christina McLeish
Michael Michael
Sadiya Qureshi
Robert Ralley
Jason Rampelt
Ayako Sakurai
Mark Sprevak
Sujit Sivasundaram
Joerg P. Tuske
Wen-ji Wang

MPhil students

Charlotte Arnold
Megan Bradley
Eli Diamond
Stephen John
Liz Jones
Nick Jones
Emer Larkin Crone
Saira Malik
Ziad Obermeyer
Emily Pawley
Meredith Price
Chitra Ramalingam
Christopher Ray
Arif Saad
David Scales
Aideen Silke
Alison Spark
Samuel Tormey
Nick Tosh
Laurence Totelin
Janet Vertesi
Karen Wood

NST Part II students

Hilary Allen
Rachael Allen
Charlie Anson
Anna Aryee
Catherine Bradburn
Louise Bundock
Ben Byrne
Edwina Casebow
Saffron Clackson
Andrew Clements
Rosemary Davies
Elizabeth Fenner
Kate Fielder
Aubrey Gilbert
Gemma Hamilton
Robin Holden
Jeni King
Carl Leong
Susi Lister
Jonathan Litton
Ellen Marriage
Elizabeth McCosh
Simon Munk
Phillipa Pyatt
Nicky Reeves
Francis Reid
Howard Ryland
Joe Sandham
Paul Thomas
Alex Warner
Rebekah White
Edward Whittle

MVST Part II Students

Claire Feeney
Miranda Gough
Christopher Hilton
Jamie Parker
Jean Richardson

Comings and Goings

David Corfield left in July 2002, having completed a one-year Temporary Lectureship in Philosophy of Science.

Kirsty Corrigall, the Whipple Library's RSLP Pamphlets Cataloguer for the Foster Collection, left at the end of April 2002.

Monica Elsey became the Whipple Museum's Assistant Keeper of Collections in January 2002, joining us from the Fitzwilliam Museum.

Roger French, University Lecturer in History of Medicine and former Director of the Wellcome Unit, sadly passed away on 14 May 2002, aged 64 years.

Sonia Hollins, the Library Assistant, retired in September 2002, but will continue to work with us part time.

Dale Johnston, the Museums Outreach Officer for the Whipple Museum and three other University museums, left in May 2002 to take up the post of Events and Temporary Exhibitions Officer at Banbury Museum in Oxfordshire.

Steve Kruse joined us as a part-time cleaner in October 2001 and now works as the Department's General Assistant.

Tania Leeds, the Department's part-time cleaner, left in May 2002.

Tim Lewens has been appointed to a University Lectureship in Biomedical Ethics, starting in October 2002.

John McMillan will be starting a Lectureship based in the Department and funded by the Cambridge Genetics Knowledge Park in October 2002.

Richard Noakes joined the Department in February 2002 as a Research Fellow in the History of Science, funded by the British Academy and Royal Society.

Catriona West, the Collections Manager of the Whipple Museum, left Cambridge in October 2001 to take up the post of Keeper at the Helmshore Textile Museum in Lancashire.

Nick Wilding starts a British Academy Research Fellowship in October 2002 on Natural Philosophy in Early Modern Europe.

Sarah Wilmot joins us in October 2002 as a Wellcome Trust Research Fellow researching veterinarians, animal health and public health, 1860-1901.

Roles and Responsibilities

DEPARTMENTAL POSITIONS

Head of Department and Chairman of the HPS Board: Peter Lipton

Secretary of the Board: John Forrester

Director of Graduate Studies: Nick Jardine

Secretary of the Degree Committee: Tamara Hug

MPhil Manager: Lauren Kassell

BA Manager: Jim Secord

MEMBERS OF THE HPS BOARD AND DEGREE COMMITTEE

Professors and Readers: Peter Lipton, 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, David Corfield

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

Elected Junior Members: Karen Wood (Graduate); Catherine Bradburn, Edwina Casebow, Rosemary Davies (Undergraduates)

PHILOSOPHY FACULTY BOARD

HPS Representative: John Forrester/Marina Frasca-Spada

EXAMINERS

NST Part Ib

Senior Examiner: Prof John Forrester

Examiners: Dr Lauren Kassell, Dr David Corfield, Dr Richard Jennings

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

NST Part II

Senior Examiner: Dr Marina Frasca-Spada

Examiners: Prof Peter Lipton, Dr Jim Secord, Dr Adam Mosley, Dr Sarah Hodges

External Examiner: Dr Stephen Pumfrey (University of Lancaster)

MPhil

Senior Examiner: Dr Lauren Kassell

External Examiner: Prof Geoffrey Cantor (University of Leeds)

Prizes, Projects and Honours

STUDENT PRIZES

Emily Pawley was awarded the Fifth Waterman Prize for her outstanding contribution to the understanding and use of the Whipple Collection.

Nick Tosh was awarded the Fifth Annual Jennifer Redhead Prize for the best performance in the MPhil essays.

Francis Reid was awarded the 2002 Bronowski Prize for the best performance in the HPS Part II course.

OTHER PRIZES

Andrew Barry was awarded the Philip Abrams Memorial Prize for his book *Political Machines*.

Jim Secord's recent book *Victorian Sensation* won the annual award for the best book in history from the Association of American Publishers' Professional/Scholarly Publishing Division.

NEW RESEARCH PROJECTS

Jim Endersby was successful in obtaining a research fellowship at Darwin College, which he will be taking up in October 2002.

Neil Manson began a three-year research fellowship in philosophy and bioethics at King's College in July 2002.

Max Satchell was awarded a three-year Wellcome Trust Fellowship in the History of Medicine in November 2001 to research the historical geography of all non-leper hospitals founded in England between 1100 and 1300. The project will be undertaken at the Cambridge Group for the History of Population and Social Structure in the Department of Geography.

Anne Secord was awarded the Helen Brock Research Award by the Master and Fellows of Selwyn College in March 2002. She used the award to carry out archive work at the New York Botanic Garden.

Sujit Sivasundaram was elected to a Research Fellowship at Gonville and Caius College starting October 2002, to continue his research on science, colonialism and post-colonialism.

HONORARY DEGREE

Mary Hesse was made an honorary Doctor of Science on 24 June 2002 in recognition of her outstanding contribution to the Philosophy of Science. The Department celebrated this occasion on 21 June with talks by David Bloor, Mary Morgan, Michael Power and Mary Hesse, followed by a gala lunch.

Seminars and Special Lectures

RAUSING LECTURE

Professor Harry Collins (University of Cardiff) delivered the Seventh Annual Hans Rausing Lecture in the History of Technology and Industry on 30 May 2002 on the subject 'When is science? The logic and sociology of seeing nothing'.

INAUGURAL LECTURE

Professor John Forrester gave his Inaugural Lecture, 'Freud in Cambridge', on 9 May 2002.

SPECIAL LECTURE

Professor Paul Rabinow (University of Berkeley, California) gave a lecture entitled 'Only motion: reflections on the idea of progress' on 2 May 2002. This lecture was presented jointly with the Department of Social Anthropology.

SPECIAL SEMINARS

To mark the publication of the final volume of *The correspondence of John Flamsteed, the first Astronomer Royal (1646-1719)*, an afternoon of seminars was held on 22 November 2001, with contributions by Dr Jim Bennet, Professor Sir Alan Cook, Jenny Downes, Professor Michael Hunter, Dr Rob Iliffe and Dr Frances Willmoth. The afternoon also included an opportunity to view the Flamsteed exhibition in the Whipple Museum, and was followed by a launch party in the Old Library, Emmanuel College.

SEMINAR SERIES

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

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

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

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

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

Cabinet of Natural History (organised by Vicky Carroll and Sadiya Qureshi) took place in Michaelmas, Lent and Easter terms.

Seminars on Research Methods in History and Philosophy of Science (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 in Michaelmas, Lent and Easter terms.

Philosophy of Mathematics Reading Group (organised by David Corfield) met fortnightly in Michaelmas, Lent and Easter terms.

Gender and Science Reading Group (organised by Sarah Hodges) was held fortnightly in Lent and Easter terms.

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

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

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

Philosophy of Language Reading Group (organised by Mark Sprevak, Axel Gelfert and Christina McLeish) ran in Easter term.

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

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

History of Science Workshop (organised by Kemal de Soysa and Jenny Downes) took place fortnightly in Michaelmas, Lent and Easter terms.

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

Students

Student Statistics 2001-02

STUDENT NUMBERS

Undergraduates	NST Part II	32
	MVST Part II.....	5
	NST Part IB	100
Graduates	MPhil.....	22
	PhD.....	34

EXAMINATION RESULTS

NST Part II	1	8	(25%)
	2i.....	23	(72%)
	2ii.....	1	(3%)
	3	0	
	Fail.....	0	
MVST Part II	1	1	(20%)
	2i.....	2	(40%)
	2ii.....	2	(40%)
	3	0	
	Fail.....	0	
NST Part IB	1	14	(14%)
	2i.....	47	(47%)
	2ii.....	39	(39%)
	3	0	
	Fail.....	0	

GRADUATE DEGREES AWARDED

MPhil degrees awarded	22
PhD degrees awarded	12

Part II Dissertation Titles

British surgery in the mid-nineteenth century

Caricatures of evolution in late Victorian secularism

Children's books on science at the poles

Consciousness in AI

Does the debate over Iraq and the toxicity of depleted uranium show a need for new democratic rights, and if so, what might they be?

Freud and H.D.

Germ theory and public health

'Grue' as a disjunctive predicate

Herbal medicine in the early modern period

John Dee's Mathematics

JR Leifchild and the Higher Ministry of Nature: Science, Religion and Coal-pits

Metrological Networks

Perceptions of mental illness portrayed in the novels *Wuthering Heights* by Emily Brontë and *Jane Eyre* by Charlotte Brontë

Personal identity

Prozac: disease treatment vs. enhancement

Psychoanalysis and morality

Representing the 'Traditional African Body' in medicine

Samuel Brown MD of Edinburgh (1817-1856)

Spot/less

Testing for birth defects (amniocentesis): eugenics and 21st century motherhood

The appropriation of Nazi scientific data

The book and reading; an analysis of their histories through a study of Gabriel Harvey's annotations

The discovery of the electron: apparatus and theory

The ethics of embryo selection based on sibling need

The experimental animal in the 19th century

The historians' Heisenberg

The influence of ideas from science on medieval Christian and Muslim views on contraception and abortion

The link between insanity and creativity – a comparison of schizophrenic and manic depressive 'genius'

The politics of ethnographic photography

Themes in the history of ECT

What currency did the story of Merlin have in early modern England?

Writing the history of astronomy: Sherbourne and Flamsteed

Part II Primary Sources Essay Titles

Charles Darwin, *On the Origin of Species*, 1859 edition

Darwin's Trojan horse

Gender in the *Origin of Species*

Is the *Origin of Species* less 'social Darwinist' than *The Descent of Man*?

Judging from the *Origin of Species*, did Darwin have a philosophy of science? If so, what is it?

On the Origin of Species (1859): a Victorian gentleman's fears and desires

The presentation of altruism in *Origin of Species*; the role of anthropomorphic metaphors for social behaviour

The role of God in the *Origin*: Sedgwick and Gray

The sublime and Darwin's *Origin of Species*

What does the title page of the *Origin* tell us about Darwin's intentions for this work?

Euclid, *Elements of Geometry*, Book 1

An analysis of the elements of Euclid's *Elements* – the literary and logical structures used in Book 1

Learning about geometry with Lewis Carroll and frogs

Sigmund Freud, *The Question of Lay Analysis*

A new profession defines itself: the reception of *The Question of Lay Analysis* by the psychoanalytic movement

Conversations with a (not so) impartial person

The presentation of the 'impartial person' in *The Question of Lay Analysis*

The question of lay analysis: how does Freud promote lay analysis and convince us of psychoanalysis as a non-medical specialty?

'Gandhi and Mrs Sanger debate birth control', *Asia Magazine*, November 1936

An exploration of the relationship between Gandhi's views on birth control, as expressed in his debate with Mrs Sanger, and his national political views

Birth control and sexual pleasure, the road to emancipation? Gandhi and Margaret Sanger debate

Birth control and the sexual contract

Gandhi and Sanger on sex and the soul

Gandhi's self-control and the food-sex continuum

Gandhi's views on birth control

How far can the views of Gandhi and Sanger expressed in this article be viewed as representative of those held in India and the USA at the time?

Is Gandhi's method of birth control defensible?

Men in white

Re-reading Gandhian philosophy: sexuality in the context of *Swaraj*

To what extent do Gandhi and Mrs Sanger credit individuals with agency in their plans for birth control and social reform?

To what extent is the title 'Gandhi and Mrs Sanger debate birth control' appropriate to the article?

'We must set motherhood free.' Margaret Sanger, birth control and the emancipation of Indian women

Why did Gandhi and Mrs Sanger agree on a need for reproductive control, despite their opposing fundamental beliefs?

Why did Mrs Sanger promote birth control in India?

Woman as a child and child as a woman: how the trope of child bride informs Gandhi and Mrs Sanger's conversation on birth control

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

A comparison of the explanations given for the revival of one Anne Greene by two pamphlets published soon after the event

Anne Green: the role of medical treatment

Anne Greene: the survival of a medical case study

Doctors as instruments of God: was the survival of Anne Greene a medical success or a divine intervention?

Is *News from the Dead* an objective reporting of the case of Anne Greene?

The case of Anne Green: medicine meets the miraculous or urban myth recycled?

The medical renaissance: medicine and wonder in 1651

Two pamphlets and the heroic William Petty

What do these accounts of Anne Green tell us of medicine and its context in the 17th century?

What do these pamphlets reveal about the relationship between medicine and Christianity at the time of their publication?

What sort of works are *Newes from the Dead* and *A Wonder of Wonders*? What can we learn about their contents and concerns from their front pages?

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

An ironic interpretation

Can Hume ever be convinced by testimony?

Defence of Hume's 'Of Miracles' against criticisms past and present

Does 'Of Miracles' put forward a consistent view of testimony or does Hume himself realise the problems with his own thesis?

Hume's contradiction: relating 'Of Miracles' to Hume's view of induction

Survival positions: Hume's happy medium, a practical skepticism

Testimony and contentiousness in Hume's 'Of Miracles'

The power of Hume's miracles

'Optics' in the *Philosophical Magazine* (1833)

David and Goliath: Sir David Brewster and the Cambridge circle debate the nature of light in the wider context of tradition and institutions

Sir David Brewster and the optical revolution: a change not bound to happen

Why did Sir David Brewster write 'Observations on the absorption of specific rays in reference to the undulatory theory of light'?

Claudius Ptolemy, *The Almagest*, Book 1, chapters 1-9

A comparison of arguments for the sphericity of the earth and the heavens, and arguments for the position and motion of the earth in Book 1 of Ptolemy's *Almagest* and Book 1 of Copernicus' *On the revolutions of the heavenly spheres*

Compare the preface of Ptolemy's *Almagest* to that of Copernicus's *De Revolutionibus Orbium Coelestium*

In the first nine chapters of Book 1 of the *Almagest*, does Ptolemy display the rigorous arithmetic and geometric approach to his studies that he extols in the Preface, and if not, why not?

Ptolemy the teacher: a proposition that the *Almagest* was designed to be a teaching manual using Nicomachus' *Introduction to Arithmetic* as a comparison

What can be learned of Ptolemy's own motivations and philosophies from the preface to the *Almagest*, and how do they compare to those of Aristotle?

What sort of evidence does Ptolemy provide in Book 1, Chapters 1-9 of the *Almagest* to support his statements about the nature of the universe?

Why is the *Almagest* addressed to Syrus?

Alan Turing, 'Computing machinery and intelligence', *Mind* 59 (1950) 433-460

A verificationist reading of 'Computing machinery and intelligence'

Computing, machinery and intelligence

How to make people open-minded

Man writes – machine rights

Psychotherapy, autism and the imitation game

'Stolen thought' and the Turing test

Turing's smoke screen: why the need for the nine objections?

'When we hear it said that mindless valves think, we despair of language.' Incommensurability and the concept of thought in 'Computing machinery and intelligence'

MPhil Essays and Dissertations

Charlotte Arnold

Essays

Charles Darwin, book collector? Presentation copies as artefacts of the history of evolution
(supervised by Jim Secord)

The body politic: the making of 'the sanitary' in Cambridge 1850-1880 (supervised by Andrew Cunningham)

The reception of Lysenko theories in provincial Russian institutions (supervised by Nick Jardine)

Dissertation

Nineteenth-century private natural history libraries (supervised by Jim Secord)

Megan Bradley

Essays

The new theater: popular science in *Copenhagen* (supervised by Jim Secord)

Strange tales: medicine and storytelling in Herodotus (supervised by Liba Taub)

Mad scientists and self-experimentation: the case of Werner Forssmann (supervised by Simon Schaffer)

Dissertation

Twentieth-century biomedical self-experimentation (supervised by Soraya de Chadarevian)

Eli Diamond

Essays

The fear of losing control: resistance of psychiatrists to the psychoanalytic method, 1900-1920 and the impact of free association upon the medical profession (supervised by John Forrester)

'The Saint-Johns Hopkins Hospital' (supervised by Sarah Hodges)

Ethics of genetic research into sexual orientation (supervised by Tim Lewens)

Dissertation

Science, psychiatry and homosexuality (supervised by John Forrester)

Stephen John

Essays

Popper's practical problem (supervised by Peter Lipton)

Vision and language in Berkeley's *Alciphron* (supervised by Marina Frasca-Spada)

Joseph Gutteridge: science, leisure and self-help (supervised by Jim Secord)

Dissertation

The uses and limits of principlism in bio-ethics (supervised by Tim Lewens)

Liz Jones

Essays

Modelling the unborn: shifting representations of the foetus through three-dimensional ultrasound
(supervised by Sarah Hodges)

'Am I depressed?': shifting self-reporting tests for depression from the clinic to the Internet
(supervised by Ilina Singh)

The medicinal properties of tea as considered in the late nineteenth-century (supervised by Alan McFarlane)

Dissertation

A study of nineteenth-century beliefs concerning the perceived influence of maternal impressions on the foetus
(supervised by Sarah Hodges)

Nick Jones

Essays

Epiphenomenalism and the paradox of phenomenal judgement (supervised by Peter Lipton)

Describing machines and replicating experiences (supervised by Jeremy Butterfield)

Angels and trickery: the relationship of John Dee and Edward Kelly (supervised by Lauren Kassell)

Dissertation

Mind mechanics: phenomenology and physics (supervised by Peter Lipton)

Emer Larkin Crone

Essays

Nature and nationality, the nature of nationalism and Protestant marginalisation: W.B. Yeats, Robert Lloyd

Praeger and the Belfast Naturalists Field Club in late Victorian Ireland (supervised by Simon Schaffer)

Margaret Murray and the historiography of witchcraft (supervised by Lauren Kassell)

Folklore and spiritualism (supervised by Simon Schaffer)

Dissertation

John Tyndall (supervised by Jim Secord)

Saira Malik

Essays

Experiment amongst the Greeks: the case of refraction in Ptolemy's *Optics* (supervised by Liba Taub)

Some preliminary notes on a manuscript in the Whipple Collection (supervised by Adam Mosley)

Observation and experiment (supervised by Peter Lipton)

Dissertation

The rainbow and halo: commentary on Kamal al-Din's *Optics*, and translation (supervised by Liba Taub)

Ziad Obermeyer

Essays

La vie en rouge: blood corpuscles and the nature of living things in late 19th-century England

(supervised by Simon Schaffer)

A punch in the nosology: Prozac and American psychiatry, 1950-2000 (supervised by Iliana Singh)

The translation and impact of an Arabic medical text on medieval/early-renaissance European medicine

(supervised by Basim Musallam)

Dissertation

The emergence of quality of life measures in health debates (supervised by Iliana Singh)

Emily Pawley

Essays

Popular microscopy in the 1860s and 1870s in Britain (supervised by Liba Taub)

The figure of the sportsman-naturalist: a study of big-game hunting and natural history in the late nineteenth and early twentieth century (supervised by Jim Secord)

Historiographical reflections on the Sahlins Obeyesekere debate (supervised by Nick Jardine)

Dissertation

Big game in the museum: natural history, taxidermy and hunting, 1880-1914 (supervised by Jim Secord)

Meredith Price

Essays

Later, spaced, fewer and better? The one-child policy and the maternal and infant healthcare law in post-Mao China (supervised by Sarah Hodges)

Defining disease (supervised by Tim Lewens)

The Pioneer Health Centre (supervised by Sarah Hodges)

Dissertation

Rubber gloves (supervised by John Forrester)

Chitra Ramalingam

Essays

Illuminating magnetism by magnetizing glass: Michael Faraday's investigation of magneto-optic rotation
(supervised by Simon Schaffer)

William Thomson and the continuity equation: a study of the role of mathematics in physics
(supervised by David Corfield)

The printing of mathematics in the nineteenth century (supervised by Jim Secord)

Dissertation

William Thomson's physical laboratory (supervised by Simon Schaffer and Richard Noakes)

Chris Ray

Essays

The 'Court of Appeal': Eddington's analysis of the 1919 eclipse expedition data and his principle of experimental verification of theory (supervised by Simon Schaffer)

Flamsteed and the 1715 solar eclipse: the sharing of observations and the conundrum of accuracy
(supervised by Frances Willmoth)

Flights of fancy: visions of space colonisation in the wake of Apollo (supervised by Andrew Barry)

Dissertation

Eddington and the reconciliation of science and religion in the interwar period
(supervised by Simon Schaffer and Jim Secord)

Arif Saad

Essays

Primitive superstition to natural law: anthropological explanations of religious belief in mid-Victorian Britain
(supervised by Jim Moore)

Male sexual proprietariness and the failures of evolutionary psychology (supervised by Tim Lewens)

A study of a geological sample in the Whipple Museum (supervised by Jim Secord)

Dissertation

Islam in Victorian Britain (supervised by James Moore)

David Scales

Essays

The fall and rise of the native population of the Americas after Columbian contact
(supervised by Harmke Kamminga)

A picture is worth 5,000 words: photojournalism and the 1969 moon landing (supervised by Patricia Fara)

The male birth control pill (supervised by Sarah Hodges)

Dissertation

Science photography and the media (supervised by Jim Secord)

Aideen Silke

Essays

The position of scientists in the public understanding of science: an appraisal of the 2001 Wellcome Trust report
'The Role of Scientists in Public Debate' (supervised by Jim Secord)

Inventing menstruation for the twentieth century (supervised by Sarah Hodges)

Thoughts relating from a study of the capillator (British Drug Houses, 1924) (supervised by Liba Taub)

Dissertation

Arabella Buckley, popularisation and the 'fairyland of science' (supervised by Jim Secord)

Alison Spark

Essays

The Psychoanalytic Weltanschauung (supervised by John Forrester)

The 'scientific morality' of the science-war complex (supervised by Soraya de Chadarevian)

The rituals of surgery (supervised by Lauren Kassell)

Dissertation

A history of gynaecological examination furniture (supervised by Sarah Hodges)

Sam Tormey

Essays

Can medical genetics avoid an ethically objectionable practice of eugenics? (supervised by Tim Lewens)

Underwriting inheritance: genetic exceptionalism, genetic essentialism and genetic data in the life assurance debate (supervised by Onora O'Neill)

The history of narcolepsy (supervised by Sarah Hodges)

Dissertation

Complexity, holism and emergent order: new directions in theoretical biology (supervised by Tim Lewens)

Nick Tosh

Essays

Talking about electrons (supervised by Nick Jardine)

Possession, exorcism and psychoanalysis (supervised by John Forrester)

Anachronism and retrospective explanation (supervised by Marina Frasca-Spada)

Dissertation

Explaining belief (supervised by Nick Jardine)

Laurence Totelin

Essays

The motives for returning to ancient thought: some reflections based on Schrodinger's 'Nature and the Greeks' (supervised by Liba Taub)

The place of wine in Greek gynaecology: its uses and ambiguities (supervised by Christine Salazar)

Herbs and people: figural illustrations to the Pseudo Aqueleius Herbal in Trin 0.2.48 (supervised by Peter Jones)

Dissertation

Mithradatum in antiquity and the middle ages: towards an anthropology of antidote (supervised by Christine Salazar)

Janet Vertesi

Essays

Alexandria Geometrica: natural philosophy and politics in Wren's 1666 design for London (supervised by Simon Schaffer)

Picturing the moon: Hevelius' and Riccioli's visual debate (supervised by Patricia Fara)

Visual testimony: the epistemology of representation (supervised by Peter Lipton)

Dissertation

Light and enlightenment in Joseph Wright of Derby's 'The Alchemist' (supervised by Patricia Fara)

Karen Wood

Essays

Using images in 19th-century mental medicine (supervised by John Forrester)

The figure in the landscape in Sir William Hamilton's 'Campi Phlegraei' (supervised by Jim Secord)

The historiography of Carolyn Merchant (supervised by Cathy Gere)

Dissertation

Making and circulating knowledge through Sir William Hamilton's 'Campi Phlegraei' (supervised by Jim Secord)

PhD Theses

AWARDED

Charlotte Bigg

Behind the lines: spectroscopic enterprises in early twentieth-century Europe
(supervised by Simon Schaffer)

Rachel Cooper

Classifying madness: a philosophical examination of the *Diagnostic and Statistical Manual of Mental Disorders*
(supervised by John Forrester)

Jim Endersby

Putting plants in their place: Joseph Hooker's philosophical botany, 1838-1865
(supervised by Jim Secord)

Cathy Gere

Psyche's labyrinth: Minoan archaeology and modern prophecy, 1900-1945
(supervised by Jim Secord)

Christopher Haley

Envisioning the unseen universe: models of the ether in the nineteenth century
(supervised by Simon Schaffer)

Anandi Hattiangadi

Oughts and thoughts: scepticism and the normativity of content
(supervised by Martin Kusch)

Gerald Kutcher

Clinical ethics and research imperatives in human experiments: a case of contested knowledge
(supervised by Simon Schaffer)

Michael Rich

The passing of miracles: anti-realism and the success of science
(supervised by Peter Lipton)

Sujit Sivasundaram

Nature speaks theology: colonialism, cultivation, conversion and the Pacific, 1795-1850
(supervised by Jim Secord)

John Tresch

Mechanical romanticism: engineers of the artificial paradise
(supervised by Simon Schaffer)

Joerg Tuske

Is emotion the colour of thought? Philosophical reflections
(supervised by John Forrester)

Wen-ji Wang

A genealogy for the psychoanalyst: *Bildung*, experiment and the training of the psychoanalyst
(supervised by John Forrester)

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

2001-2002 has been another busy year for the Whipple Library.

Dawn Moutrey joined the Department as General Assistant in the summer of 2001, working 3 hours a day in the Library. This has made an enormous difference to workflow and enabled us to undertake a number of special projects. Kirsty Corrigan, our RSLP Pamphlets Cataloguer for the Foster Collection, left the Library at the end of April 2002.

The number of readers has increased yet again during this period, with a total of 999 users registered compared with 650 in 2000-2001, and 13,466 items loaned compared with around 11,780 last year.

ELECTRONIC DEVELOPMENTS

The Library has been busy all year preparing for the implementation of Voyager, the new library management system across the University, during the summer of 2002. The Library's bibliographic records were migrated to the new system in July, along with records from the University Library and other faculty, departmental, and college libraries. These records are now available on NEWTON, the new online catalogue for libraries of the University.

NEW ACQUISITIONS

The Library has received several donations throughout the year and is grateful for all these gifts. Of major importance to the Department is the collection of manuscripts and books from the library of Gerd Buchdahl (1914-2001), very generously offered to the Whipple by Nancy Buchdahl. Work has already begun on sorting the donation, which includes Gerd's annotated Kant Collection, manuscripts of unpublished works, and documents relating to the early history of the Department.

The Whipple has continued to benefit from the support offered by Cambridge University Press to all College and University libraries, with an increased amount of £1,899.00 credited to us for the purchase of Press titles.

The Library is also grateful to the Department's Williamson Fund for an award to purchase the German-language edition of the complete works of Sigmund Freud.

The Library has made several important additions to the rare book collection, including the following:

Articles on the Royal Commission on Vivisection: reprinted from "The verulam review".
London, 1909.

Report of the Royal Commission on the practice of subjecting live animals to experiments for scientific purposes: with minutes of evidence and appendix. London, 1876.

Mordecai Cubitt Cooke. *Songs written for the Excursionists' annual dinners: Q.M.C.* London, 1878.

Journal of the Postal Microscopical Society, contin. as *Journal of microscopy and natural science*. 1882-96.

Mary Somerville. *On molecular and microscopic science*. London, 1869.

Microscopical Society of London. Annual reports etc., 1843-62.

William Paley. *The principles of moral and political philosophy*. 8th ed., corr. London, 1791.

Additions have also been made to the Library's Phrenology Collection and collection of works by the Rev. J.G. Wood.

RARE BOOK COLLECTION

Although our work for the HOST Project (The History of Science and Technology, 1801-1914: A Collaborative Retrospective Conversion and Conservation Programme) was completed at the end of 2000, the Library remained actively involved as the project entered the dissemination phase. In April 2002, the Librarian and Dr Jim Secord (academic member of the project's Steering Group) attended 'From Accordions to Atomic Physics: a half-day conference to promote and celebrate the achievements of the HOST Project', where Dr Secord gave a paper on the work of the project from a reader's perspective.

The Whipple's work for the RSLP Pamphlets Project was completed in May 2002, with 5,122 records added to the Union Catalogue, and on the CURL public access catalogue on the Web (COPAC, <http://www.copac.ac.uk>), making the Sir Michael Foster Pamphlet collection of works on physiology widely accessible to the academic community.

The Librarian arranged a small exhibit of items from the special collections for the Library's display cabinet in the Museum's new Reserve Gallery, which was previewed for members of the Department in February 2002, and will open to members of the public later this year.

SPECIAL PROJECTS

The Library has only three years' growth space remaining, and a number of projects have begun to address this problem, including looking at the possibility of weeding out multiple copies of textbooks no longer used for teaching. The Reserve book and photocopy collection has also been weeded to ensure this material is current, with books no longer on reading lists being returned to the open shelves.

EQUIPMENT

The Library purchased a new photocopier in the summer of 2002.

The Museum

Annual Report of the Whipple Museum of the History of Science

The past 12 months have once again been a very busy time for the Whipple Museum.

The Museum was fortunate to receive the third round of funding support from *re:source* (the Council for Museums, Archives and Libraries) through the Designation Challenge Fund, which enabled the successful completion in March 2002 of our 'Collections Access Project'. We celebrated the completion of the project with a special 'I love the Whipple' party in the new Reserve Gallery, complete with balloons and heart-shaped cookies!

The Collections Access Project has significantly improved physical and intellectual access to our Designated collection, increasing research opportunities and enhancing public enjoyment. The three main aims of the project were:

- to increase the number and range of objects displayed by refurbishing the *discover* gallery (containing 554 objects=9.2% of entire collection) and by creating a Reserve Gallery (displaying 400 objects=6.6% of collection)
- to improve documentation available to visitors by redesigning the appearance of the database for ease of use, incorporating digitised images;
- to improve the physical environment in collection and storage areas, increasing safety and security for objects, museum staff and visitors.

The Project funding enabled the Whipple Museum to employ additional staff. Corrina Bower continued as Project Assistant until March 2002 and remains with the Museum until September 2002, working with Soraya de Chadarevian and Harmke Kamminga to prepare an exhibition on the imagery of DNA, sponsored by the MRC Laboratory of Molecular Biology. Boris Jardine and Lisa Newble continued as Project Technicians to March 2002 and remain in post with the help of special funding. Ben Please, who graduated from the Department in June 2001 with a first class honours degree, worked in the Museum first as a volunteer and then as a Project Technician until March 2002. Sally Austin was employed to develop interpretive materials for the *discover* gallery.

Catriona West, the Collections Manager, left Cambridge in October 2001 to take up the post of Keeper at the Helmshore Textile Museum in Lancashire. Catriona, known to all as Graham, gave tremendous service to the Whipple, overseeing many important changes and improvements to the Museum. We send Graham our thanks and wish her well in her new post. Monica Elsey was appointed as Assistant Keeper of Collections and started at the Whipple in January 2002. Elizabeth Hart continues as Museum Attendant and her warmth and enthusiasm do much to enhance the welcome given to our staff, students and visitors.

In May 2002 the Museum was able to provide a two-week work experience placement for Izzie Foot, a student from Linton Village College. Izzie was able to experience many aspects of museum work, working with Boris and Lisa to refresh one of the display cases in the Main Gallery and producing a sticker trail for the large museum objects.

During the summer vacation of 2002 the Museum employed two HPS IB students, Josephine Armstrong (Jesus College) and Ruth Horry (Newnham College); both will be taking HPS Part II in 2002-03. Josephine and Ruth worked on the cataloguing of the sales literature, on the 'New Acquisitions' display, and helped to move the objects back into the newly refurbished Store 2. This varied work provided insight into the behind-the-scenes world in a museum, giving experience in database work, display work and object handling.

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.

MPhil Essays 2001-2

Aideen Silke (St John's College) 'Thoughts relating to a study of the British Drug Houses' capillator, (1925)' Wh.5244

Emily Pawley (Clare College) 'Aspects of Nineteenth-Century Popular Microscopy' Wh.1844
Cabinet containing microscope slides

Arif Saad (St Catharine's College) 'Study of a case of geological specimens in the Whipple Museum' Wh.3409

Saira Malik (Darwin College) 'Some preliminary notes on a manuscript in the Whipple Collection' Wh.5358.9

Emily Pawley was the fifth recipient of the Waterman Prize, awarded annually to a student who has made a significant contribution to our understanding of objects in the Whipple Collection.

Your humble servant, John Flamsteed

November 2001 to May 2002

The Whipple Museum produced an exhibition organised by Dr Frances Willmoth to mark the publication of the third volume of Flamsteed's letters. An afternoon of seminars and a launch party for the book, edited by Dr Willmoth, was held on Thursday 22 November.

The exhibition *Your humble servant, John Flamsteed* was based on the letters and writings of the first Astronomer Royal and a booklet was published to accompany the exhibition.

Looking at the Moon

Janet Vertesi (Emmanuel College), who completed the MPhil in 2001-2, has contributed a case study entitled 'Looking at the Moon'. On display are descriptions and representations of the moon dating from the 17th–20th centuries; diagrams of a lunar eclipse and instruments including orreries, moon dials, a Lunarium and a clog almanac.

Representations of the Double Helix

The next temporary exhibition in the Main Gallery will be 'Representations of the Double Helix' opening in Michaelmas, to mark the 50th anniversary of Watson and Crick's publication of *A structure for Deoxyribose Nucleic Acid* in *Nature* on 2 April 1953. This exhibition is being developed by Soraya de Chadarevian, Harmke Kamminga and Corrina Bower, with funding from the MRC Laboratory of Molecular Biology.

PUBLICATIONS

***Your humble servant, John Flamsteed: Letters and writings of the first Astronomer Royal* by Frances Willmoth, 2002**

A booklet to accompany the exhibition looking at facets of Flamsteed's long career as an astronomer.

***Embryos in Wax: Models from the Ziegler Studio* by Nick Hopwood, 2002**

Published by The Whipple Museum and The Institute of the History of Medicine, the University of Bern, *Embryos in Wax* highlights the role of 3-D models in creating the images of embryos that we see today on our computer and television screens. It is about the extraordinary objects that in the nineteenth and early twentieth centuries Adolf and Friedrich Ziegler cast for universities and museums around the world. A lavishly illustrated history, this is also a comprehensive guide to the finest embryological models.

Collections in the Human & Natural Sciences

(produced jointly with the Sedgwick Museum of Earth Science, University Museum of Archaeology & Anthropology, University Museum of Zoology, with sponsorship from HLF, as part of our shared Outreach project)

OUTREACH AND COLLABORATION WITH OTHER UNIVERSITY MUSEUMS

Dale Johnston continued as the Museums Outreach Officer for the Cambridge University Museums: Collections in the Human & Natural Sciences (The Whipple Museum of the History of Science, The Museum of Archaeology and Anthropology, the Sedgwick Museum of Earth Sciences and The University Museum of Zoology), a post supported by the Heritage Lottery Fund. Dale organised 'Cambridge Discovery', a 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. Dale left Cambridge in May to take up the post of Events and Temporary Exhibitions Officer at Banbury Museum in Oxfordshire.

National Science Week

On Saturday 16 March, the Whipple opened for the day to participate in National Science Week. The Museum was a hive of activity, with children lying on floor mats to explore objects from the handling trolley and visitors of all ages enjoying a selection of trail sheets. A special *Museums Trail* featuring exhibits in all four University of Cambridge Science Museums was prepared by Lisa Newble in conjunction with the science week organisers.

Universeum project

During the past year the Whipple continued to be an active participant in the Universeum Academic Heritage Project, a network of European university museums organised by Martin-Luther University Halle-Wittenberg. As part of this project, the Director contributed the 'Introduction: Universities in Europe — The circulation of Ideas' to the catalogue *Treasures of University Collections in Europe: Alligators & astrolabes* and spoke at the conference in Utrecht to celebrate the European Month of Academic Heritage, on the topic 'Academic Heritage as primary source of information on the history of science: on the role of university collections and museums in history of science, technology and medicine. Ben Please (a former Part II student) and Liba Taub developed a 'Passport trail to our academic heritage', which combined an informative booklet with a sticker trail; the passport is very popular with our visitors. A similar trail, on the Whipple model, was developed by the Oxford University Museum of Natural History. The Universeum project also designed posters, presenting highlights of the collections of the twelve partner institutions; these are now on display in the Department.

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 will be 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, which began in April 1999. The fund is intended both to meet the aims of Designation, and to help museums in the scheme to tackle basic collections management tasks.

The Whipple Museum was successful in its application to *re:source* for a grant for years one, two and three of its Collections Access Project. The Museum was awarded £49,379 in Year One, £169,590 in Year Two and £109,858 in Year Three. In total the Whipple Museum was awarded £328,827.

Years One and Two of the Collections Access Project November 1999 to March 2001

Saw the improvement of the Whipple database and the opening of the *discover* gallery

Year Three of the Collections Access Project April 2001 to March 2002

The Reserve Gallery, created from a former storage area has been successfully completed. The Reserve Gallery takes the same high-density, visible storage style as *discover* and in total

400 objects are now on display in this area. A computer gives access to the Whipple database containing information and digital images for all the objects in the gallery. Background information is provided in a selection of books. One special feature of the new gallery is a small, glazed 'Chemistry Corner' incorporating an original bench reflecting the past use of the room as a physical chemistry laboratory.

The new gallery is furnished with a large oval worktable and chairs and provides a much needed area for individual visitors and small organised groups to study the Collections. A trolley fitted with plastic trays contains handling objects and information sheets to allow younger visitors a 'hands on' experience. The corridor leading to the Reserve Gallery has been refurbished; the outer area is now fitted with lockers for the use of our visitors and also the inner area has a movable racking system, which displays a selection of framed prints.

We are currently in the process of having one of our storerooms refurbished and fitted with new racking, part of an ongoing project to increase the efficiency of our storage.

DESIGNATION CHALLENGE FUND 2002/2004

'WELCOME TO THE WHIPPLE' PROJECT

We are thrilled to have just learned that our submission to the DCF for the new round of funding has been successful! This new funding will enable us to hire design professionals to develop a plan to refurbish our Grade II listed Main Gallery, to develop a new 'Victorian Parlour' mini-gallery, to increase the visual content of the database, and to develop our outreach activities. We look forward to beginning work on this new phase of development.

DONATIONS

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

Trevor Philip & Sons has set up an annual prize (the Waterman Prize) to be awarded 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.

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

Trevor Philip & Sons and an anonymous donor generously supported 'behind the scenes' work undertaken by students, during the summer vacation.

RECENT ACQUISITIONS

5837	Picture book <i>The Human Body</i>
5838	Bowmar MX70 Memory calculator
5839	Hewlett Packard 41CV programmable calculator with printer
5840	Marksman Micro calculator
5841	Botanical teaching diagram of Cactaceae
5842	Solar calculator
5843	Globe of the Moon
5844	Microscope slide: Abbe test plate
5845	Electrostatic bell chime

5846	Magdeburg hemispheres
5847	Planisphere
5848	number not used
5849	Lens accessories
5850	Celestial globe
5851	Book Philips' model of the human body (female)
5852	Book <i>Philips' Popular Manikin</i>
5853	Celestial planisphere
5854	Book <i>Bodyscope</i>
5855	Compendium, microscope and telescope
5856	Microscope slides 'Alcohol and the Human Body'
5857	Muggletonians, 6 prints
5858	German card planisphere
5859	Optical amusements 'Newest Multiplication Apparatus'
5860	Compensated barometer
5861	Globe game
5862	Model of hand
5863	Physiological balance
5864	Hewlett Packard HP – 11C pocket calculator
5865	Botanical teaching diagram of the fertilisation of plants by insects
5866	Portrait of J J Henslow
5867	Portrait of Sir John Herschel
5868	Circular slide rule

HANDLING COLLECTION OBJECTS

HC41	Telescope
HC42	Compound microscope
HC43	Fabric human organ tunic
HC44	Star globe
HC45	Magnet set
HC46	Compass
HC47	Optical instrument
HC48	Sextant
HC49	Stereo viewer
HC50	Opera glasses
HC51	3 drawer expanding telescope
HC52	Thaumatrope
HC53	Zeotrope
HC54	Phenakistoscope
HC55	Anatomical model of the human eye
HC56	Anatomical model of the human brain
HC57	Achromatic compound microscope
HC58	Anatomical model of the human heart
HC59	Texas Instruments pocket calculator

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.

British Museum

Korean Gallery

October 2000 to November 2001

0935 Korean Astronomical Screen

Cambridge University Library

'Footprints of the Lion: Isaac Newton at work'

October 2001 to March 2002

1254 Optical Prism, reputed to have belonged to Newton

2662 1953 Replica of Newton's telescope of 1671

Photograph of John Yarwell's trade card, with Newton's manuscript on the back

Peterborough Museum and Art Gallery

'The Tudors'

November 2001 to March 2002

2318 Replica mariner's Astrolabe

3704 Dutchman's Log

2634 Log Glass

Museum of Archaeology and Anthropology, Cambridge

'Collected Sights'

exhibition continuing until December 2002

3979 Calipers

2036 Magic Lantern projector

3996 Stereoscopic viewer

2174 Survey camera and plates

0653 Stereoscopic slides

2689 Tailboard camera

Individuals

Individual Reports of the Members of the Department

DEBBY BANHAM

The Cambridge end of the electronic Thorndike and Kibre project (eTK), based in the Department and directed by Peter Murray Jones of King's College, has been in abeyance this year. The project has now secured further funding from the Newton Trust, so that Debby Banham can complete the survey of medieval medical and scientific manuscripts in Cambridge for the project. Meanwhile, she continues teaching Latin, palaeography and Anglo-Saxon history for the colleges, Madingley Hall, and Birkbeck.

Publications

Articles in journals

Banham, D. and Mason, L. 'Confectionery recipes from a fifteenth-century manuscript', *Petits propos culinaires*, 69 (2002), 45-69

Banham, D. et al. 'Bibliography for 2000', *Anglo-Saxon England* 30 (2002 for 2001), 247-314

In Press

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*, Routledge

Banham, D. (2002) 'Be hlafum and wyrturn: 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

July 2002

Banham, D. 'A medical millennium: new medical ideas and texts in eleventh-century England', International Medieval Congress, University of Leeds

September 2002

Banham, D. 'Arestolobius, the Patriarch of Jerusalem and the bark that comes from Paradise: what the East meant to the compilers of the Anglo-Saxon medical collections', International Society for the History of Medicine Congress, Istanbul

ANDREW BARRY

Andrew Barry was awarded the Philip Abrams Memorial Prize for 2002 by the British Sociological Association for his book *Political Machines: Governing a Technological Society* (Athlone, 2001).

Publications

Articles in journals

Barry, A. (with D.R. Slater) 'Introduction: the technological economy', *Economy and Society*, 31, 2 (2002), 175-193

Barry, A. 'The anti-political economy', *Economy and Society*, 31, 2 (2002), 268-284

Barry, A. 'Technology, politics and the market: an interview with Michel Callon', *Economy and Society*, 31, 2 (2002), 285-306

Other papers

Barry, A. (2002) 'An ethnography of drug discovery', *Crucible*, University of Cambridge, 5pp

Conference and Seminar Organisation

March 2002

Co-organiser of panel on *Genealogies of European Integration*, International Studies Association, New Orleans
Co-organiser of workshop on *Cosmopolitics* with Isabelle Stengers, Goldsmiths College, University of London

Lectures and Conferences

October 2001

Barry, A. 'After governmentality', Centre for Research on Technology and Culture, University of Oslo

November 2001

Barry, A. 'The politics and anti-politics of transnational science', 4S Annual Conference, Boston

January 2002

Barry, A. 'The anti-political economy', Department of Sociology, University of York

March 2002

Barry, A. (with W. Walters) 'The genealogy of European integration: from EURATOM to the network',
International Studies Association, New Orleans

April 2002

Barry, A. 'On the circumstances of politics: location and distribution', workshop on the Politics of Knowledge in
Practice, Science Studies Unit, University of Lancaster

Barry, A. 'Political machines: governing a technological society', Italian National Research Council (CNR),
Rome

June 2002

Barry, A. 'Pharmaceutical Matters', conference on *Virtuality: Matter, Information, Property* organised by CIEL,
London

Barry, A. Panellist, workshop on the Governmental and the Political, SPIRE, University of Keele

Barry, A. 'The laboratory life of Intellectual Property', conference on *Owning Culture: Intellectual Property in
the Knowledge Economy*, Theory Culture and Society postgraduate network, Goldsmiths College

July 2002

Barry, A. 'Political innovation and scientific uncertainty', EASST conference, University of York

GERMAN ELIAS BERRIOS

Publications

Articles in books

Berrios, G.E. (2001) 'Hypochondriasis: history of a concept' in V. Starcevic and D.R. Lipsitt (eds.)

Hypochondriasis: Modern Perspectives on an Ancient Malady, Oxford University Press, 3-20

Sierra, M. and Berrios, G.E. (2001) 'Conversion hysteria: the relevance of attentional awareness' in P.W.

Halligan, C. Bass and J. Marshall (eds.) *Contemporary Approaches to the Study of Hysteria*, Oxford
University Press, 192-202

Berrios, G.E., Paykel, E.S. and Wagle, A. (2001) 'Psychiatric assessment' in J.W. Fawcett, A. Rosser and S.B.

Dunnett (eds.) *Brain damage, brain repair*, Oxford University Press, 254-272

Berrios, G.E. (2001) 'Historiography of delusions' in J. Vallejo and L. Sanchez-Planell (eds.) *Actualizacion en
delirios*, Aula Medica, 1-15

Berrios, G.E. and Marková, I.S. (2001) 'Psychiatric disorders mimicking dementia', in J.R. Hodges (ed.) *Early-
Onset Dementia. A multidisciplinary Approach*, Oxford University Press, 104-123

Articles in journals

Calderon, J., Perry, R.J., Berrios, G.E., Denning, T. and Hodges, J.R. 'Perception, attention, and working memory
are disproportionately impaired in dementia with Lewy bodies compared with Alzheimer's disease', *Journal
of Neurology, Neurosurgery & Psychiatry* 70 (2001), 157-164

Berrios, G.E., Wagle, A.C., Marková, I.S., et al 'Psychiatric symptoms and CAG repeats in neurologically
asymptomatic Huntington's disease gene carriers', *Psychiatry Research* 102 (2001), 217-225

- Kim, Y. and Berrios, G.E. 'Impact of the term schizophrenia on the culture of ideograph: the Japanese experience', *Schizophrenia Bulletin* 27 (2001), 181-185
- Sierra, M. and Berrios, G.E. 'The phenomenological stability of depersonalization: comparing the old with the new', *Journal of Nervous and Mental Disease* 189 (2001), 629-636
- Sato, Y. and Berrios, G.E. 'Operationalism in psychiatry. A conceptual history of operational diagnostic criteria', *Seishin-Ehaku (Clinical Psychiatry)* 43 (2001), 704-713
- Berrios, G.E. 'The factors of insanities,' *History of Psychiatry* 12 (2001), 353-373
- Marková, I.S. and Berrios, G.E. 'The "Object" of insight assessment: relationship to insight "Structure"', *Psychopathology* 34 (2001), 245-252
- Kennedy, N. and Berrios, G.E. 'Erotomania revisited: clinical course and treatment', *Comprehensive Psychiatry* 43 (2002), 1-6
- Berrios, G.E. et al. 'Psychiatric symptoms in neurologically asymptomatic Huntington's disease gene carriers: a comparison with gene negative at risk subjects', *Acta Psychiatrica Scandinavica* 105 (2002), 224
- Berrios, G.E. and Marková, I.S. 'Assessment and measurement in neuropsychiatry: a conceptual history', *Seminars in Clinical Neuropsychiatry* 7 (2002) 3-10
- Berrios, G.E. and Healy, D. 'How tainted medicine has become'. *Lancet* 359 (2002) 1776
-

MICHAEL BRAVO

Publications

Books (edited)

- Bravo, M.T. and Sörlin, S. (eds.) (2002) *Narrating the Arctic: a Cultural History of Nordic Scientific Practices*, Science History Publications, Nantucket Mass.

Articles in books

- Bravo, M.T. (2002) 'Measuring Danes and Eskimos' in M.T. Bravo and S. Sörlin (eds.) *Narrating the Arctic: A Cultural History of Nordic Scientific Practices*, Science History Publications, Nantucket Mass, 235-273
- Bravo, M.T. and Sörlin, S. (2002) 'Narrative and practice' in M.T. Bravo and S. Sörlin (eds.) *Narrating the Arctic: A Cultural History of Nordic Scientific Practices*, Science History Publications, Nantucket Mass, 3-32
- Bravo, M.T. (2002) 'Naming the reverse journey: reflections on the images of Jorma Puranen' in J.-E. Lundström and J. Sjöström (eds.) *The Politics of Place/Platsens Politik*, BildMuseet, Umeå University, 3-5

Articles in journals

- Bravo, M.T. 'And evil came to stay', *Times Higher Education Supplement*, March 15, 2002. Also posted on the Igloodik Isuma Forum website at <http://www.isuma.ca/forums/index.html>

In Press

Reviews

- Bravo, M.T. Review of B.A. Joyce, *The Shaping of American Ethnography: the Wilkes Exploring Expedition, 1838-42*, in *Polar Record* (2002)
- Bravo, M.T. Essay review of *Nature's Government: Science, Imperial Britain, and the 'Improvement' of the World*, in *Annals of Science* 60(1) (2003)

Lectures and Conferences

October 2001

- Bravo, M.T. 'Hospitality in the field: the geography of reciprocity', Senior Departmental Seminar, Department of Geography, University of Bristol

November 2001

- Bravo, M.T. 'Ethnographic navigation and enlightenment', History of Science Society Annual Conference 2001, Vancouver, Canada.
- Bravo, M.T. 'The Moravian experiment: colonial natural history, missionary artisans, and religious conversion (1730-1830)', Cabinet of Natural History Seminar, Department of History and Philosophy of Science, University of Cambridge

February 2002

Discussant in British Academy Workshop on 'Mapping Emotion', part of an AHRB project called 'Visualising Geography', organised by Prof. F. Driver, Dr. C. Nash, and Ms. K. Prendergast, at the Royal Holloway College, University of London

March 2002

Discussant in session on 'Empires of Science 1: Cartographies of Knowledge', sponsored by Historical Geography Research Group, Political Geography Speciality Group. Annual conference of the Association of American Geographers, Los Angeles

Panellist in session on 'Empires of Science 5: Plenary Panel Discussion', sponsored by Historical Geography Research Group, Political Geography Speciality Group. Annual conference of the Association of American Geographers, Los Angeles

July 2002

Bravo, M.T. 'Natural history and revelation in missionary work', Illumination, Revelation and Science Conference, St. Stephen's House, University of Oxford

September 2002

Bravo, M.T. 'Cook's legacy: anti-anthropology?', AHRB Cook Conference, University of Newcastle

October 2002

Bravo, M.T. 'Voyages of dissent: imperial expansion and the Arctic abstract', Maritime Book Conference, Princeton University

JEREMY BUTTERFIELD

Publications

Books (edited)

Butterfield, J. and T. Placek (eds.) (2002) *Non-Locality and Modality*, Kluwer (Nato Science Series)

Articles in books

Butterfield, J. 'Some worlds of quantum theory', in R. Russell et al (eds.) *Quantum Physics and Divine Action*, Vatican Observatory Publications, 111-140. Available at: [quant-ph/0105052](#); PITT-PHIL-SCI00000204

Articles in journals

Butterfield, J. (with C. Isham) 'A Topos perspective on the Kochen-Specker Theorem IV: interval valuations', *International Journal of Theoretical Physics* No.41 (2002) 613-639. Available at: [quant-ph/0107123](#)

Butterfield, J. 'The end of time?', *British Journal for the Philosophy of Science* No. 53 (2002), 289-330. Available at: [gr-qc/0103055](#); PITT-PHIL-SCI00000104

Reviews

Butterfield, J. Review of R. Torretti, *The Philosophy of Physics*, in *Physics in Perspective*

In Press

Articles in books

Butterfield, J. 'Topos theory as a framework for partial truth', in P. Gardenfors, K. Kijania-Placek and J. Wolenski (eds.), *Invited Papers at 11th International Congress of Logic Methodology and Philosophy of Science*, Kluwer Academic. Available at: PITT-PHIL-SCI00000192

Lectures and Conferences

May 2002

Butterfield, J. 'Solving all problems, postulating all states: some morals of analytical mechanics', invited lecture at conference 'Understanding Symmetry in Physics', Princeton University

July 2002

Butterfield, J. 'Hamilton-Jacobi Theory as a Classical Root of Quantum Theory', invited lecture at conference 'Quantum Information', University of Oviedo, Spain

September 2002

Butterfield, J. 'Hamilton-Jacobi Theory as a Classical Root of Quantum Theory', contributed lecture at XIth annual UK Foundations of Physics conference, Oxford University

Butterfield, J. 'Some Classical Structures in Quantum Theory', invited lecture at 'Quo Vadis Quantum Mechanics?' conference, Temple University, Philadelphia, USA

VICKY CARROLL

Lectures and Conferences

November 2001

Carroll, V. 'Catholics, crocodiles and country houses: visiting Charles Waterton 1782-1865', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

SORAYA DE CHADAREVIAN

Publications

Books

de Chadarevian, S. (2002) *Designs for Life. Molecular Biology after World War II*, Cambridge University Press

Edited volume

Strasser, B. and de Chadarevian, S. (eds.) (2002) *Molecular Biology in Postwar Europe*, special issue *Studies in History and Philosophy of Biological and Biomedical Sciences* 33, No. 3.

Articles in journals

de Chadarevian, S. 'Mapping development or how molecular is molecular biology?', *History and Philosophy of the Life Sciences*, 22 (2000), 335-350 [appeared 2002]

de Chadarevian, S. 'Reconstructing life. Molecular biology in postwar Britain', *Studies in History and Philosophy of Biological and Biomedical Sciences* 33, No. 3 (2002)

de Chadarevian, S. and Strasser, B. 'Molecular biology in postwar Europe. Towards a "glocal" picture', *Studies in History and Philosophy of Biological and Biomedical Sciences* 33, No. 3 (2002)

Reviews

de Chadarevian, S. Review of E. Edelson, *Francis Crick & James Watson and the Building Blocks of Life*, in *Journal of the History of Biology* 34 (2001), 411-413

de Chadarevian, S. Review of W. Summers, *Félix d'Herelle and the Origins of Molecular Biology*, in *Social History of Medicine* 14 (2001), 581-582

de Chadarevian, S. Review of A. Creager, *The Life of a Virus. Tobacco Mosaic Virus as an Experimental Model, 1930-1965*, in *Science* 296 (2002), 663

In Press

Books

de Chadarevian, S. and Hopwood, N. (eds.) (2003) *Models: The Third Dimension of Science*, Stanford University Press

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

Articles in books

de Chadarevian, S. (2003) '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. (2003) '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*

de Chadarevian, S. 'DNA and genetics' in *Reader's Guide to British History*, Fitzroy Dearborn Publishers

Reviews

de Chadarevian, S. Review of P. Rabinow, *French DNA Trouble in Purgatory*, in *Annals of Science* 59 (2002)

Lectures and Conferences

September/October 2001

de Chadarevian, S. 'Bild einer Entdeckung. Watson, Crick und die Doppelhelix', 100th Meeting of the German Society for the History of Medicine, Science and Technology, Hamburg

November 2001

de Chadarevian, S. 'Radiobiology in postwar Britain', Annual Meeting of the History of Science Society, Denver, CO

March 2002

de Chadarevian, S. 'Models and the making of molecular biology', Department of Psychology and Science Studies Centre, University of Bath

June 2002

de Chadarevian, S. 'Reconstructing life. Molecular biology in postwar Britain', History of Science, Harvard University

de Chadarevian, S. 'Academic science and the pharma industry – commentary', conference on *Drug trajectories*, Max-Planck Institut for History of Science, Berlin

de Chadarevian, S. 'Molecular biology and the tools of the historian', MRC Laboratory of Molecular Biology, Cambridge

ANJAN CHAKRAVARTTY

Publications

Reviews

Chakravartty, A. Review of C. Norris, *Quantum Theory and the Flight From Realism: Philosophical Responses to Quantum Mechanics*, in *Metascience*, No. 10 (2001), 483-487

In Press

Articles in journals

Chakravartty, A. 'The structuralist conception of objects', *Philosophy of Science* (Proc.)

Chakravartty, A. 'The many faces of empiricism', *Studies in History and Philosophy of Science*

Reviews

Chakravartty, A. Review of E. Agazzi and M. Pauri (eds.) *The Reality of the Unobservable: Observability, Unobservability and Their Impact on the Issue of Scientific Realism*, in *British Journal for the Philosophy of Science*

Chakravartty, A. Review of N. Cartwright, *The Dappled World: A Study in the Boundaries of Science*, in *Philosophy and Phenomenological Research*

Chakravartty, A. Review of I. Niiniluoto, *Critical Scientific Realism*, in *Philosophy and Phenomenological Research*

Lectures and Conferences

October 2001

Chakravartty, A. 'Dispositional essentialism', Department of Philosophy, University of Nottingham

Chakravartty, A. 'Semirealism', The Sigma Club, London School of Economics

December 2001

Chakravartty, A. 'The dispositional essentialist view of properties and laws', Australasian Association of Philosophy (NZ) Annual Conference, Auckland

March 2002

Chakravartty, A. 'Structural realism and object ontology', Structural Realism and Newman's Problem Conference, London School of Economics

May 2002

Chakravartty, A. 'Scientific realism and kinds for laws', Canadian Philosophical Association Annual Conference, University of Toronto

Chakravartty, A. 'The structuralist conception of objects', Canadian Society for History and Philosophy of Science Annual Conference, University of Toronto

July 2002

Chakravartty, A. 'Abstraction, idealization, and approximate truth', British Society for the Philosophy of Science Annual Conference, University of Glasgow

DAVID CORFIELD

Publications

Books (edited)

Corfield, D. and Williamson, J. (eds.) (2001) *Foundations of Bayesianism*, Kluwer Applied Logic Series

Articles in books

Corfield, D. (2001) 'Bayesianism in mathematics', in D. Corfield and J. Williamson (eds.) *Foundations of Bayesianism*, Kluwer Applied Logic Series, 175-201

Corfield, D. and Williamson, J. (2001) 'Bayesianism into the 21st Century', in D. Corfield and J. Williamson (eds.) *Foundations of Bayesianism*, Kluwer Applied Logic Series, 1-16

Corfield, D. (2002) 'Argumentation and the mathematical process', in G. Kampis, L. Kvasz and M. Stöltzner (eds.) *Appraising Lakatos: Mathematics, Methodology, and the Man*, Kluwer, 115-138

Reviews

Corfield, D. Review of F. W. Lawvere and S. Schanuel, *Conceptual Mathematics*, and J. Bell, *A Primer of Infinitesimal Analysis*, in *Studies in History and Philosophy of Modern Physics*, 33B(2) (2002), 359-366

In Press

Books

Corfield, D. *Towards a Philosophy of Real Mathematics*, Cambridge University Press

Articles in books

Corfield, D. 'Lacan's philosophy of science in perspective', in J. Glynos (ed.) *Lacan and Science*, Karnac Books

Lectures and Conferences

January 2002

Corfield, D. 'Mathematical Research Programmes', Sigma Club, LSE

May 2002

Corfield, D. 'Higher Dimensional Algebra', History and Philosophy of Modern Mathematics Conference, Open University

July 2002

Corfield, D. Response to Alan Robinson, 'Mathematics and Artificial Intelligence' British Society for the Philosophy of Science Conference, University of Glasgow

SILVIA DE RENZI

Silvia De Renzi is a lecturer in the Department of History of Science, Technology and Medicine at the Open University, where she is member of the team preparing the course 'A Social History of European Medicine (1500-1939)', which will be launched in 2004. For this project she is contributing various chapters to the printed textbook, supervising the production of a video, and co-operating in the preparation of an interactive CD-ROM.

In HPS in Cambridge she teaches a four-lecture course on the history of early modern legal medicine. She is a member of the Research Group on *La culture scientifique romaine à l'époque moderne*, funded by the École française de Rome. Since September 2001 she is on the Council of the British Society for the History of Science.

Publications

Articles in journals

De Renzi, S. 'La natura in tribunale. Conoscenze e pratiche medico-legali a Roma nel XVII secolo', *Quaderni Storici*, 108 (2001), 799-822

De Renzi, S. 'Witnesses of the body. Medico-legal cases in seventeenth-century Rome', *Studies in History and Philosophy of Science*, 33 A2 (2002), 219-242

Reviews

De Renzi, S. Review of G. Pomata, *Contracting a Cure. Patients, Healers and the Law in Early Modern Bologna*, in *ISIS*, 92 (2001)

De Renzi, S. Review of Z. Hanafi, *The Monster in the Machine: Magic, Medicine and the Marvelous in the Time of the Scientific Revolution*, in *Bulletin of the History of Medicine*, 76 (2002)

Lectures and Conferences

December 2001

De Renzi, S. 'Nuovi attori sulla scena. Per una storia dei medici a Roma nella prima metà del '600', École Française de Rome and CNRS workshop 'Scienza a Roma nell'eta' moderna', Paris

KATRINA DEAN

Katrina Dean has recently been awarded the Ian Langham Prize for the best postgraduate paper at the Australasian Association for the History, Philosophy and Social Studies of Science Conference, 2002. This prize was shared with another student.

Lectures and Conferences

May 2002

Dean, K. 'Can research be gendered?', Newnham Pudding Seminar, Newnham College, Cambridge

Dean, K. 'The Melbourne Physics Exhibitions, 1918-1939', History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge

July 2002

Dean, K. 'Careers in physics: Thomas Laby, Ernest Rutherford and the making of scientific centres', The 2002 Australasian Association for the History, Philosophy and Social Studies of Science Conference, Sancta Sophia College, University of Sydney

Dean, K. 'Travelling knowledge', Australian Historical Association 11th Biennial Conference, Brisbane

August 2002

Dean, K. 'The physicist's homestead: Alex MacAulay, hydroelectricity and mathematical physics', Centre for Tasmanian Historical Studies Annual Conference, Hobart

TAMAS DEMETER

During the past year Tamas Demeter's research was supported by an External Research Studentship from Trinity College.

Publications

Books

Demeter, T. (2002) *Az eszmeek tipografija: A koramodern filozofia kezdetei kommunikacioelmeleti nezopontbol* [The Typography of Ideas: The Beginnings of Early Modern Philosophy and the History of Communications], Osiris, Budapest

Reviews

Demeter, T. Review of K. Neumer, *Die Relativitaet der Grenzen: Studien zur Philosophie Wittgensteins*, in *Philosophischer Literaturanzeiger* 54 (2001/3), 221-225

In Press

Articles in journals

Demeter, T. 'Supervenient causation and programme explanation', *Grazer philosophische Studien* 64 (2002), 69-81

Demeter, T. 'A metaphysics for explanatory ecumenism', *Philosophica* 71 (2003)

Lectures and Conferences

March 2002

Demeter, T. 'Supervenient causation and programme explanation', Columbia/NYU Postgraduate Philosophy Conference, Columbia University – New York University, New York

May 2002

Demeter, T. 'Making sense of programme explanation', Causation and Explanation in the Natural and Social Sciences: International Conference, University of Ghent, Belgium

June 2002

Demeter, T. 'Intentional explanation and Ceteris Paribus laws', Intentionality: International Conference, University of Miskolc, Hungary

July 2002

Demeter, T. 'Intentional explanation and Ceteris Paribus laws', Annual BPS Conference, University of Glasgow

Demeter, T. 'Supervenient causation and programme explanation', 6th NPAPC, University of Bristol

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. For details of his forthcoming edition of the life and works of the Scottish philosopher Thomas Brown (1778-1820), see: <http://www.thoemmes.com/scottish/brown.htm>

Publications

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. 'The psychology of the "emotions" in Britain and America in the nineteenth century: the role of religious and anti-religious commitments', *Osiris* 16 (2001), 288-320

Reviews

Dixon, T. 'Platonic science' (Essay review of S. Clark, *Biology and Christian Ethics*, and C. Deane-Drummond, *Creation Through Wisdom*), *Times Literary Supplement*, 19 October 2001, 32

Dixon, T. Review of P. Bowler, *Reconciling Science and Religion: The Debate in Early Twentieth-Century Britain*, in *Science* 294, no. 5546 (16 November 2001), 1467-1468

Dixon, T. 'Scientific atheism as a faith tradition' (Essay review of J. Avise, *The Genetic Gods*), *Studies in History and Philosophy of Biological and Biomedical Sciences* 33 (2002), 337-359

In Press

Books

Dixon, T. (ed.) (2002) *The Life and Collected Works of Thomas Brown (1778-1820)*, Thoemmes Press, 8 vols

Dixon, T. (2003) *From Passions to Emotions: The Creation of a Secular Psychological Category*, Cambridge University Press

Reviews

Dixon, T. 'Anglican nature' (Essay review of J. Habgood, *The Concept of Nature*), *Times Literary Supplement* (2002)

Dixon, T. Review of James Secord, *Victorian Sensation: The Extraordinary Publication, Reception, and Secret Authorship of 'Vestiges of the Natural History of Creation'*, in *Annals of Science* (2002)

Dixon, T. Review of Rick Rylance, *Victorian psychology and British culture, 1850-1880*, in *Journal of Victorian Culture* (2002)

Lectures and Conferences

April 2002

Dixon, T. 'From passions and affections to emotions: science and religion in 19th-century psychology', University of Leeds, Science and Religion Seminar

May 2002

Dixon, T. 'Theology and Charles Darwin's psychology of expression', University of Cambridge, Faculty of Divinity Inter-Disciplinary Group

July 2002

Dixon, T. 'The invention of altruism: scientific and religious ethics in the nineteenth century', Conference on the theme of 'Illumination: Reason, Revelation, Science', University of Oxford

JENNIFER DOWNES

During the period August-December 2001, Jennifer Downes was in Paris researching the archives of Hevelius' correspondence and observations in the Observatoire de Paris and the Bibliothèque Nationale de France, with the assistance of an overseas research grant from the Arts and Humanities Research Board. She would like to thank Prof. Alain Segonds of the Bureau SYRTE, Observatoire de Paris, for supervision while working away from Cambridge. She would also like to thank the Worshipful Company of Scientific Instrument Makers for a research grant, and Darwin College for help with travel expenses.

Lectures and Conferences

November 2001

Downes, J. 'Flamsteed and Hevelius', Department of History and Philosophy of Science, University of Cambridge. Part of an afternoon of seminars organised by Frances Willmoth to mark the publication of the third volume of Flamsteed's *Correspondence*

December 2001

Downes, J. 'La correspondance inédite d'Hévélius conservée dans les archives de la Bibliothèque de l'Observatoire de Paris', Bureau SYRTE, Observatoire de Paris. Part of series of talks 'Rencontres avec des chercheurs' run by the Bibliothèque de l'Observatoire de Paris

June 2002

Downes, J. 'Celestial America: Johannes Hevelius, celestial cartography and the rhetoric of discovery', History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge. A version of this paper was previously given in May 2002 at the Early Modern Graduate History Workshop, Department of History, University of Cambridge

NADER EL-BIZRI

Publications

Articles in books

El-Bizri, N. (2001) 'Amal Ubaydi: Cinema in Libya' in O. Leaman (ed.) *Companion Encyclopedia of Middle Eastern and North African Film*, Routledge, 404-419

Articles in journals

El-Bizri, N. 'Avicenna and Essentialism', *The Review of Metaphysics*, No. 54 (2001), 753-778

El-Bizri, N. 'Qui-etes vous khora?: Receiving Plato's *Timaeus*', *Existential Meletai Sophias*, No. 11 (2001), 473-490

Reviews

El-Bizri, N. Review of V. Gonzalez, *Beauty and Islam: Aesthetics in Islamic Art and Architecture*, in *Transcendent Philosophy*, No. 3 (2002), 86-91

In Press

Articles in books

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

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

Reviews

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

Lectures and Conferences

June 2002

El-Bizri, N. 'Ontopoiesis and the Interpretation of Plato's Khora', The World Phenomenology Institute, Pontificia Universitas Studiorum a Sancto Thoma Aquinate in Urbe

JIM ENDERSBY

During last year, Jim Endersby completed his thesis, 'Putting Plants in their Place: Joseph Hooker's Philosophical Botany, 1838-1865', and was awarded the PhD degree. He continued to convene the Science and Literature reading group, which met during the year to read a series of utopian fictions (during Lent term) and works that deal with the image of the scientist in literature (Easter term). He was also awarded the Adrian Research Fellowship at Darwin College, Cambridge, which he will be taking up in October 2002.

Publications

Articles in journals

Endersby, J. "From having no Herbarium". Local knowledge vs. metropolitan expertise: Joseph Hooker's Australasian correspondence with William Colenso and Ronald Gunn', *Pacific Science*, Vol. 55, No. 4, 343-358

Reviews

Endersby, J. Review of R. Keynes, *Annie's Box: Charles Darwin, his Daughter and Human Evolution*, in the *Times Literary Supplement*, No. 5131, 3 August 2001, 10

In Press

Articles in books

- Endersby, J. 'Joseph Dalton Hooker', entry for the *New Dictionary of National Biography*, Oxford University Press
- Endersby, J. (2003) 'Darwin on generation, pangenesis and sexual selection' in the *Cambridge Companion to Darwin*, Cambridge University Press

Awards

Library resident fellowship, American Philosophical Society, Philadelphia, USA

PATRICIA FARA

Publications

Books

- Fara, P. (2002) *Newton: the making of genius*, Macmillan
- Fara, P. (2002) *An entertainment for angels: electricity in the Enlightenment*, Icon Books

Articles in journals

- Fara, P. 'Elizabeth Tollet: a new Newtonian woman', *History of Science* No. 40 (2002), 169-87
- Fara, P. 'Images of Emilie du Châtelet', *Endeavour* No. 26 (2002), 39-40
- Fara, P. 'Pictures of Benjamin Franklin', *Endeavour* No. 26 (2002), 1-2
- Fara, P. 'The Seventh Solvay Conference', *Endeavour* No. 25 (2001), 137-8
- Fara, P. 'William Walker's portrait of "Men of Science"', *Endeavour* No. 25 (2001), 91-2

Reviews

- Fara, P. Review of D. Hockney, *Secret knowledge: rediscovering the lost techniques of the old masters*, in *Science* No. 294 (2001), 2486
- Fara, P. Review of N. Chambers (ed.), *The letters of Sir Joseph Banks: a selection, 1768-1820*, in *Notes and Records of the Royal Society* No. 56 (2002), 264-265
- Fara, P. Review of E. Healey, *Emma Darwin: the inspirational wife of a genius*, in *Notes and Records of the Royal Society* No. 56 (2002), 267-268
- Fara, P. Review of S. Crane (ed.), *Museums and memory*, in *Canadian Journal of History* No. 36 (2001), 412-414
- Fara, P. Review of R. Porter, *Enlightenment: Britain and the creation of the modern world*, in *Notes and Records of the Royal Society* No. 55 (2001), 335-337
- Fara, P. Review of L. Koerner, *Linnaeus: nature and nation*, in *Annals of Science* No. 58 (2001), 425-427
- Fara, P. Review of R. MacLeod, *The 'Creed of science' in Victorian England*, in *Notes and Records of the Royal Society* No. 56 (2002), 115-116
- Fara, P. Review of M. Llasera, *Représentations scientifiques et images poétiques en Angleterre au XVIII siècle: à la recherche de l'invisible*, in *Isis* No. 92 (2001), 177

In Press

Articles in books

- Fara, P. 'Marginalized practices' in R. Porter (ed.), *The Cambridge history of science, volume 4: Science in the eighteenth century*, Cambridge University Press
- Fara, P. 'Newtonianism', in *Encyclopaedia of the Enlightenment*, Oxford University Press
- Fara, P. '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
- Fara, P. 'Gowin Knight', 'Gustavus Katterfelto', 'John Desaguliers', 'Servington Savery', and 'Zachariah Williams' in *New Dictionary of National Biography*, Oxford University Press

Articles in journals

- Fara, P. and Money, D. 'Isaac Newton and Augustan Anglo-Latin poetry', *Studies in the History and Philosophy of Science*
- Fara, P. 'Caricatures of Dr Katterfelto', *Endeavour*
- Fara, P. 'Portraying Caroline Herschel', *Endeavour*

Reviews

Fara, P. Review of G. Brown, *Invisible rays: a history of radioactivity*, in *Notes and Records of the Royal Society*

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

Fara, P. Review of V. Jankovi, *Reading the skies: A cultural history of English weather, 1650-1820*, in *Isis*

Fara, P. Review of W. Shea, *Science and the visual image in the Enlightenment*, in *Annals of Science*

Lectures and Conferences

March 2002

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

May 2002

Fara, P. 'Framing the evidence: scientific biographies and portraiture', Scientific biography conference, Copenhagen

June 2002

Fara, P. 'Advertising genius: images of Isaac Newton', Mathematics Department, Open University

August 2002

Fara, P. 'Sculpting genius: statues of Isaac Newton', British Library

JOHN FORRESTER

Lectures and Conferences

October 2001

Discussant, 'Thinking With Cases: Specialist Knowledge in Chinese Cultural History', University of Chicago

May 2002

Forrester, J. 'Freud in Cambridge', Inaugural Lecture, University of Cambridge

July 2002

Forrester, J. 'Is a global history of psychoanalysis feasible?', Paper written for Panel, 'Psychoanalysis and History', Institute of Historical Research, *Past & Present* Conference, Senate House, London

Forrester, J. 'Where terror was', Paper delivered to Conference *Tales of Terror*, sponsored by Centre for Research in Arts, Social Sciences and Humanities, Lucy Cavendish College, Cambridge

MARINA FRASCA-SPADA

Marina Frasca-Spada is still an Affiliated Lecturer; a member of the HPS Board and Degree Committee; the Co-Editor of *Studies in History and Philosophy of Science* and the Associate Editor of *Studies in History and Philosophy of Biological and Biomedical Sciences*. She is also a member of the Management Committee of the British Society for the History of Philosophy and co-organiser with P. Kail of a special interest group on Hume; HPS DoS, Tutor and Fellow of St Catharine's College; and Philosophy DoS at Newnham, Pembroke and Lucy Cavendish.

Publications

Books

Frasca-Spada, M. (2002) *Space and the Self in Hume's 'Treatise'*, Cambridge University Press, paperback edition

Articles in books

Frasca-Spada, M. 'Hume on sense impressions and objects', in M. Heidelberger and D. Stadler (eds.) *History of Philosophy of Science. New Trends and Perspectives*, Vienna Circle Institute Yearbook 9/2001, Kluwer Academic Publishers, 13-24

In Press

Books

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

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', to appear in *Impressions of Hume*

Frasca-Spada, M. and Kail, P.J.E. 'Hume's position in the canon(s)', in collaboration with P. Kail, introduction to *Impressions of David Hume*

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

Articles in journals

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

Frasca-Spada, M. Contribution to a symposium on Richard Yeo, *Encyclopaedic Visions*, in *Metascience*

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

Conferences and lectures

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'

GREG FRIED

Apart from finishing his dissertation, a psychoanalytic and philosophical account of humour, Greg Fried has spent much time studying the psychological and social aspects of information technology. In January 2003 he starts work as an IT consultant at the IQ Business Group, Johannesburg, South Africa.

Publications

Internet

Fried, G. 'Beasts and numbers', on the web literary magazine LitNet, www.litnet.co.za

Lectures and conferences

April 2002

Fried, G. 'Online behaviour and the self', CRASSH Conference on Representing Knowledge, University of Cambridge

AXEL GELFERT

Axel Gelfert has received a Gates Cambridge Scholarship and a non-stipendiary Arnold Gerstenberg Studentship.

Publications

Articles in journals

Gelfert, A. (2002) 'European Pastoral: Joseph Roth and the idea of Central Europe', *Europa Magazine*, No. 4 (Summer 2002), 24-27

Gelfert, A. (2002) 'Random Realism', Global Affairs Commentary, *Foreign Policy in Focus*, 15 July 2002

Lectures and Conferences

April 2002

Gelfert, A. 'How do you spray an entity? A challenge to Ian Hacking's entity realism', 28th Annual Philosophy of Science Conference, Inter-University Centre, Dubrovnik, Croatia

June 2002

Gelfert, A. 'Wissenschaftstheoretische Themen und Beispiele aus der Festkörperphysik', Departmental Solid-State Theory Colloquium, Department of Physics, Humboldt University, Berlin (Invited talk; supported by Deutsche Forschungsgemeinschaft SFB 290)

CATHY GERE

Between October 2001 and September 2004, Cathy Gere and Bronwyn Parry are working on a Wellcome-funded research project on the bioethics of human tissue banking, based at King's College, Cambridge. Taking the Addenbrooke's Hospital Brain Bank as their case study, they are examining the social, legal, ethical and economic implications of the changes of material state that human biological materials undergo as new technologies are introduced into tissue banks. In particular, they are interested in the transformation from a 'corporeal' to an 'informational' state, as happens, for example, in the notation of a DNA sequence or the assembly of a digital interactive image collection. In the wake of the Alder Hey scandal, the legislation that governs tissue banking has been suspended, and the Wellcome Trust is hoping that studies like this one will contribute to the policy-making process.

In Press

Articles in journals

Gere, C. 'Inscribing nature: archaeological metaphors and the formation of new sciences', forthcoming in *Public Archaeology*

Lectures and Conferences

March 2002

Gere, C. 'Freudian Archaeology and Cretan Psychoanalysis', Institute of Historical Research, London University

June 2002

Gere, C. 'Pots, vats and buckets of ice: a brief history of brain archiving', Department of History and Philosophy of Science, University of Cambridge

NICK HOPWOOD

Nick Hopwood is on Wellcome-funded research leave for two years from September 2001, 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, from 1 March to 30 June 2002. He continued as an advisory editor of *Studies in History and Philosophy of Biological and Biomedical Sciences*.

Publications

Books

Hopwood, N. (2002) *Embryos in Wax: Models from the Ziegler Studio, with a Reprint of 'Embryological Wax Models' by Friedrich Ziegler*, Whipple Museum of the History of Science, University of Cambridge; Institute of the History of Medicine, University of Bern

Articles in books

Hopwood, N. (2001) 'Holism' in C. Blakemore and S. Jennett (eds.) *The Oxford Companion to the Body*, Oxford University Press, 360–361

Hopwood, N. (2002) 'Embryonen "auf dem Altar der Wissenschaft zu opfern": Entwicklungsreihen im späten neunzehnten Jahrhundert' in B. Duden, J. Schlumbohm and P. Veit (eds.) *Geschichte des Ungeborenen. Zur Erfahrungs- und Wissenschaftsgeschichte der Schwangerschaft, 17.–20. Jahrhundert* (Veröffentlichungen des Max-Planck-Instituts für Geschichte 170), Vandenhoeck & Ruprecht, 237–272

Reviews

Hopwood, N. Review of H. Menz, *Martin Heinrich Rathke (1793–1860). Ein Embryologe des 19. Jahrhunderts*, in *The British Journal for the History of Science*, 34 (2001), 472–473

Hopwood, N. Review of A. Weismann, *Selected Letters and Documents*, edited by F. B. Churchill and H. Risler, in *Bulletin of the History of Medicine*, 76 (2002), 382–384

In Press

Books

de Chadarevian, S. and Hopwood, N. (eds.) (2003) *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: *Life and Earth Sciences since 1800*, Cambridge University Press

Hopwood, N. and de Chadarevian, S. (2003) ‘Dimensions of modelling’, in S. de Chadarevian and N. Hopwood (eds.) *Models: The Third Dimension of Science*, Stanford University Press

Hopwood, N. (2003) ‘Plastic publishing in embryology’, in S. de Chadarevian and N. Hopwood (eds.) *Models: The Third Dimension of Science*, Stanford University Press

Lectures and Conferences

March 2002

Hopwood, N. ‘Plastic publishing in embryology’, Max Planck Institute for the History of Science, Berlin

April 2002

Hopwood, N. Commentary on M. Norton Wise, ‘What’s in a line? The 3 D’s: Dürer, Dirichlet, Du Bois’, Max Planck Institute for the History of Science, Berlin

May 2002

Hopwood, N. ‘Embryos in wax: Models from the Ziegler studio’, Max Planck Institute for the History of Science, Berlin

Hopwood, N. ‘Ontogeny and phylogeny around 1900: Temporal displacements and normal plates’, in ‘Experimental arcades: The materiality of time relations in life sciences, art, and technology (1830-1930)’, Bauhaus University, Weimar

NICK JARDINE

Nick Jardine served as departmental Director of Graduate Studies and as a member of the Botanic Garden Syndicate. With Marina Frasca-Spada he 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 funding from AHRB and CNRS he and Alain Segonds, greatly helped by Frances Willmoth, have completed their critical edition of Kepler’s *Apologia Tychonis contra Ursum*, to be published by Les Belles Lettres. With Jenny Downes he has initiated a highly successful new research seminar, 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

Articles in books

Jardine, N. (with A. Segonds) ‘A challenge to the reader: Petrus Ramus on astrologia without hypotheses’ in M. Feingold, J.S. Freedman and W. Rother (eds.) *The Influence of Petrus Ramus: Studies in Sixteenth and Seventeenth Century Philosophy and Sciences*, Basel, 248-266

Jardine, N. ‘Sammlung, Wissenschaft, Kulturgeschichte’, in A. te Heesen and E. Spary (eds.) *Sammeln als Wissen*, Göttingen, 199-221

Articles in journals

Jardine, N. ‘Gerd Buchdahl (1914-2001): Founding editor’, *Studies in History and Philosophy of Science* 32, 401-405

In Press

Articles in journals

Jardine, N. 'Hermeneutic strategies in Gerd Buchdahl's Kantian 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

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

Edited volume

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* 34/1

Lectures and Conferences

April 2002

Jardine, N. 'Gerd Buchdahl, in memoriam', Department of History and Philosophy of Science, University of Cambridge

Jardine, N. 'Herbert Butterfield and the problems of anachronism in the history of science', LSE, London

May 2002

Jardine, N. 'Whigs and stories: Herbert Butterfield and the historiography of science', Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge

RICHARD JENNINGS

Richard Jennings is active in all phases of the Ethics Expert Panel of The British Computer Society (BCS). He made major contributions to the revision of the BCS Code of Conduct which was adopted by the BCS in February 2002. He has been appointed chair of the Special Task Force charged with the ongoing review of the BCS Code of Conduct.

He has been collaborating in the creation of a taught Masters course in Bioscience Enterprise. This is being done under the auspices of the Cambridge-MIT Institute (CMI) and will have its first intake in October 2002. In particular he is working on the development of the ethical and legal part of the course.

He continues to lecture for various departments:

'Professional Practice and Ethics' for the Computer Sciences Tripos

'Ethical and Legal Aspects of Research' for the Graduate School of the Biological Sciences

'Recent History of Philosophy of Science' for History and Philosophy of Science Part II

'Ethics in Science' for History and Philosophy of Science Part IB

PETER JONES

A further grant from the Newton Trust in 2002 will enable the completion of the Cambridge libraries for the extension of 'e-TK', an electronic database of medieval science and medicine in Latin. In 2002-3 Peter Jones will be Beinecke-Whitney Fellow at Yale University.

Publications

Articles in books

Jones, P.M. (2001) 'University of Cambridge Libraries: King's College Library', in D.H. Stam (ed.) *International Dictionary of Library Histories*, vol. 2, Chicago, 817-818

In Press

Articles in books

Jones, P.M. 'Devotion, power and protection: amulets in late medieval medicine' in M. Dimitrova and A. Angusheva (eds.) *Proceedings of a conference on medieval medicine at Rila, Bulgaria, August 2000*

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

Articles in journals

Jones, P.M. 'Staying with the programme: illustrated manuscripts of John of Arderne, c.1380-c.1550' *English Manuscript Studies*, No. 10 (2002)

Lectures and Conferences

October 2001

Jones, P.M. 'Medieval medicine', Society of Apothecaries course lecture, Wellcome Institute, London

November 2001

Jones, P.M. 'Devotion, power and protection: amulets in late medieval medicine', Department of History and Philosophy of Science, University of Cambridge

Jones, P.M. 'The peculiarity of King's College, Cambridge', Society for the History of the University, Cambridge

February 2002

Jones, P.M. 'Helpless and hopeless?: Medieval doctors and the Black Death', University of New Mexico, Albuquerque

March 2002

Jones, P.M. 'John Argentine and the quintessence of human blood', 'The rising dawn: the contribution of alchemy to medieval medicine and intellectual life' conference, University of East Anglia, Norwich

June 2002

Jones, P.M. 'Word and image in medieval medicine', University of Helsinki, Finland

LAUREN KASELL

This year Lauren Kassell was the MPhil Manager. She also continued to organise the Early Medicine and Natural Philosophy Seminar, this year in collaboration with Sophie Page, under the theme of Medicine and Magic. She reviewed some books and refereed some grant proposals. She is completing a book on Simon Forman and early modern astrology, alchemy and medicine. And she is working on an essay on dreams and the entry on Magic for the on-line edition of the *Routledge Encyclopaedia of Philosophy*.

Publications

Articles in books

Kassell, L. (2001) "'The Food of Angels': Simon Forman's Alchemical Medicine", in A. Grafton and W. Newman (eds.) *Secrets of Nature*, MIT, 345-384

MARTIN KUSCH

During the academic year 2001-2002, Martin Kusch was a fellow at the *Wissenschaftskolleg zu Berlin*, and worked on a book defending 'Kripkenstein'. During his time in Berlin, he organized a conference on 'Normativity and Meaning'.

Publications

Books

Kusch, M. (2002) *Knowledge by Agreement: The Programme of Communitarian Epistemology*, Oxford University Press

Kusch, M. (2001) *Linguagem como calculo vs. linguagem como medium*, Usinos, Editora: Sao Leopoldo (Brazilian translation of M. Kusch, *Language as Calculus vs. Language as Universal Medium*, Kluwer, 1989)

Edited volumes

Kusch, M. and Lipton P. (eds.) (2002) *Testimony*, special issue of *Studies in the History and Philosophy of Science*, 33A

Articles in books

Kusch, M. (2001) 'Psychologism, History of' in N.J. Smelser and P.B. Baltes (eds.) *International Encyclopedia of the Social & Behavioral Sciences*, Pergamon, 12388-12390

Articles in journals

Kusch, M. and Lipton, P. 'Testimony: A Primer', *Studies in History and Philosophy of Science*, 33A (2002), 209-217

Kusch, M. 'Testimony in Communitarian Epistemology', *Studies in History and Philosophy of Science*, 33A (2002), 335-354

In Press

Articles in books

Kusch, M. 'Explanation and understanding revisited' in L. Haaparanta and I. Niiniluoto (eds.) *Philosophy in Finland*, Poznan Studies in the Philosophy of Science

Kusch, M. 'Hintikka on Heidegger and Truth' in L.E. Hahn (ed.) *The Philosophy of Jaakko Hintikka*, Open Court

Kusch, M. 'Psychologism and Sociologism' in D. Jacquette (ed.) *Psychologism*, Kluwer

Lectures and Conferences

December 2001

Kusch, M. 'Folk psychology revisited', Berlin-Brandenburgische Akademie der Wissenschaften

Kusch, M. 'Testimony', Department of Philosophy, Humboldt University, Berlin

April 2002

Kusch, M. 'The normativity of meaning', Wissenschaftskolleg zu Berlin

Kusch, M. 'Semantic normativity: thesis and constraint', Workshop on Meaning and Normativity, Wissenschaftskolleg zu Berlin

May 2002

Kusch, M. 'Theorien und Institutionen: Philosophische Anmerkungen zum Streit um die Wissenschaftssoziologie', Collegium Helveticum, Zurich

June 2002

Kusch, M. 'The sociophilosophy of folk psychology and free will', Max-Planck Institute for Psychological Research, Munich

August 2002

Kusch, M. 'Thought psychology and the sociology of knowledge' (Invited Lecture), 21st Annual Conference of the European Society for the History of the Human Sciences, Barcelona

Kusch, M. 'Testimony revisited' (Invited Lecture), 21st Annual Conference of the European Society for the History of the Human Sciences, Barcelona

September 2002

Kusch, M. 'Testimony in communitarian epistemology' (Invited Lecture), Helsinki School of Economics, Workshop on Social Epistemology, Helsinki

Kusch, M. 'Knowledge as a social kind' (Invited Lecture), Helsinki School of Economics, Workshop on Social Epistemology, Helsinki

Kusch, M. 'Rule-following', Department of History, University of Oulu, Finland

Kusch, M. 'The universality of language', Department of Philosophy, University of Sussex

SACHIKO KUSUKAWA

Publications

Articles in books

- Kusukawa, S. (2002) 'The reception of Melanchthon's textbooks in sixteenth-century Cambridge and Oxford' in G. Frank (ed.) *Melanchthon und Europa, 2. Teilband. WestEuropa*, Thorbecke, 233-254
- Kusukawa, S. (2002) 'Mediations of Zabarella in Northern Europe: The preface of Johann Ludwig Hawenreuter' in G. Piaia (ed.) *La presenza dell'Aristotelismo Padovano nella filosofia della prima modernità*, Editrice Antenore, 199-213

In Press

Articles in books

- Kusukawa, S. 'The teaching of philosophy and theology in Protestant universities in the sixteenth century: Melanchthon, Schegk and Crellius' in S. Knuttila and L. Nielsen (eds.) *Metaphysics and Philosophical Theology in Late Medieval and Early Modern Times*
- Kusukawa, S. 'Melanchthon's life of Erasmus (1557)', *Erasmus of Rotterdam Society Yearbook*
- Kusukawa, S. 'Medical humanism: the case of Andreas Vesalius', *Open University Textbook on the Social History of Medicine*

Reviews

- Kusukawa, S. Review of W.G.L. Randles, *The Unmaking of the Medieval Christian Cosmos, 1500-1760: From Solid Heavens to Boundless Aether*, in *Church History*
- Kusukawa, S. Review of S. Varey (ed.), R. Chabrán, C.L. Chamberlin and S. Varey (tr.) *The Mexican Treasury. The Writings of Dr. Francisco Hernández*, and S. Varey, R. Chabrán and D.B. Weiner (eds.) *Searching for the Secrets of Nature: The Life and Works of Dr. Francisco Hernández*, in *Renaissance Quarterly*
- Kusukawa, S. Review of J. Helm and A. Winkelmann (eds.) *Religious confessions and the sciences in the sixteenth century*, in *British Journal for the History of Science*
- 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*
- Kusukawa, S. Review of L. Bulzoni, (tr. J. Parzen) *The gallery of memory: literary and iconographic models in the age of the printing press*, in *History*
- Kusukawa, S. Review of I. Maclean, *Logic, signs and nature in the Renaissance*, in *History*

Lectures and Talks

February 2002

- Kusukawa, S. 'Nature's regularity in some Protestant textbooks (1530-1630)', Natural Law Group Workshop, University of Berne, Switzerland

May 2002

- Kusukawa, S. 'Philip Melanchthon on the life of Erasmus (1557)', *The Annual Roland Bainton Lecture*, sponsored by the Erasmus of Rotterdam Society and the Erasmus of Rotterdam Society Yearbook, The Warburg Institute, London

July 2002

- Kusukawa, S. 'John Ray and Francis Willoughby', The John Ray Trust and Trinity College, Trinity College, Cambridge

JOHN LATSIS

Lectures and Conferences

February 2002

- Latsis, J.S. 'Nozick on the nature of rationality', Department of Philosophy, Logic and Scientific Method, London School of Economics

TIM LEWENS

Tim Lewens remained a Junior Research Fellow at Clare College, and was also a Visiting Fellow at University College London (Science and Technology Studies Department), and a Junior Scholar in Residence at the University of British Columbia. He continues to organise and to chair the Cambridge Bioethics Forum. He is now Reviews Editor for *Studies in History and Philosophy of Biological and Biomedical Sciences*.

Publications

Articles in journals

Lewens, T.M. 'Adaptationism and Engineering', *Biology and Philosophy* No. 17 (2002), 1-31

Lewens, T.M. 'Darwininnovation!', *Studies in History and Philosophy of Science* No. 33 (2002), 199-207

In Press

Books

Lewens, T.M. (2002) *Organisms and Artifacts: Design in Nature and Elsewhere*, Bradford Books, Life and Mind Series, MIT Press

Articles in journals

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

Lewens, T.M. 'Development aid: on ontogeny and ethics', *Studies in History and Philosophy of Biological and Biomedical Sciences* (2002)

Reviews

Lewens, T.M. Review of P.S. Davies, *Norms of Nature*, in *MIND* (2002)

Lectures and Conferences

December 2001

Lewens, T.M. 'Genetic exceptionalism and genetic engineering', Department of History and Philosophy of Science, University of Cambridge

March 2002

Lewens, T.M. 'Technological evolution: good news, bad news, and speculation', Florida State University, Tallahassee

May 2002

Lewens, T.M. 'Prospects for evolutionary policy' Department of Zoology, University of Cambridge

July 2002

Lewens, T.M. 'Health, naturalism and policy', Peter Wall Institute for Advanced Studies, University of British Columbia

PETER LIPTON

Peter Lipton remained Head of the Department and Chair of the HPS Board. He also continued his stint on General Board of the University and chaired its Personnel Committee. He served as Advisor Editor for *Studies in the History and Philosophy of Science*, as Consulting Editor of *Episteme*, and on the Editorial Board of *The British Journal for the Philosophy of Science* and of the *Ashgate New Critical Thinking in Philosophy* series. He gave the Richmond Lectures at Williams College, and was elected the Medawar Lecturer of the Royal Society for 2004.

Publications

Edited volumes

Lillehammer, H., Lipton, P. and Richards, M. (eds.) (2002) *Genetics, Persons, and Responsibility*, special issue of *Studies in the History and Philosophy of Biological and Biomedical Sciences*, 32C

Kusch, M. and Lipton, P. (eds.) (2002) *Testimony*, special issue of *Studies in the History and Philosophy of Science*, 33A

Articles in books

Lipton, P. (2001) 'What good is an explanation?' in G. Hon and S. Rackover (eds.) *Explanation: Theoretical Approaches and Applications*, 43-59

Lipton, P. (2001) 'Is explanation a guide to inference?' in G. Hon and S. Rackover (eds.) *Explanation: Theoretical Approaches and Applications*, 93-120

Articles in journals

Lipton, P. 'Quests of a Realist', *Metascience*, 10, 3, 347-353

In Press

Articles in books

Lipton, P. 'History of empiricism', *International Encyclopedia of the Social and Behavioral Sciences*, Pergamon

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

Articles in journals

Lipton, P. 'The reach of the law', *Philosophical Books*

Lipton, P. 'Prediction and accommodation', *Physics Today*

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*

Conferences and Lectures

October 2001

Lipton, P. 'Science, religion and truth', Birkbeck College

Lipton, P. 'Can computers think?', Perse School, Cambridge

Lipton, P. 'Moral relativism', Culanu Centre, Cambridge

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

November 2001

Lipton, P. 'Prediction and prejudice', British Association for the Advancement of Science, Cambridge

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

December 2001

Lipton, P. 'Free will, genetic knowledge, and pharmacological influence', Royal Society, London

March 2002

Lipton, P. 'Science, religion and truth', University of Leeds

Lipton, P. 'The Explanationist and the Bayesian should be friends', University of Bristol

Lipton, P. 'Elements of scientific knowledge', Science Week Roadshow, Sancton Wood School, Cambridge

Lipton, P. chaired session on 'Science, politics and government – friends or foes?', Science Week, Cambridge

Lipton, P. 'The truth about science', BP Programme, Cambridge

April 2002

Lipton, P. 'Science and religion', Richmond Lecture, Williams College

Lipton, P. 'The epistemology of testimony', Richmond Lecture, Williams College

May 2002

Lipton, P. 'The Explanationist and the Bayesian should be friends', Plenary Lecture, conference on Causation and Explanation in the Natural and Social Sciences, Gent

July 2002

Lipton, P. 'Prediction and prejudice', Cambridge International Summer School
Lipton, P. 'Prediction and prejudice', Cambridge Science Summer School
Lipton, P. 'The truth about science', University of Groningen Summer Academy, Cambridge
Lipton, P. 'Will the sun rise tomorrow?', HE Summer School, HEFCE, Cambridge

August 2002

Lipton, P. 'Will the sun rise tomorrow?', GEEMA Summer School, Cambridge
Lipton, P. 'Exemplars generalised', New Work on the Legacy of Thomas Kuhn, University of East Anglia

September 2002

Lipton, P. 'The structure of scientific explanation', University of Groningen International Comenius Course, Cambridge
Lipton, P. 'The truth about science', BA Festival of Science, University of Leicester
Lipton, P. 'Science and truth', BP Programme, Cambridge
Lipton, P. 'Can scientists and philosophers ever agree?' Cambridge Alumni Weekend

GEOFFREY LLOYD

In October 2001 Geoffrey Lloyd was Zhu Kezhen visiting Professor at the Institute of the History of Natural Sciences, Beijing. The eight lectures he gave there were recorded and an edited version will be shown on Chinese television in 2003.

From 19 March to 19 June 2002 he was based primarily in Paris on the invitation of the Maison des Sciences de l'Homme and Reid Hall (University of Columbia) and participated in weekly seminars and workshops of a research group investigating the problems of mathematical demonstration in China, India, Mesopotamia, Egypt, Greece and the Arab world. His own contributions focused on Galen's idea of mathematical demonstration, and the Pluralism of Greek mathematical traditions.

Publications

Articles in books

- Lloyd, G. 'Due antichità in confronto: scienza greca e scienza cinese' in S. Settis et al (eds.) *I Greci*, vol. 3, *I Greci inoltre la Grecia*, Rome, 1419-1442
Lloyd, G. 'La evolución de la evolución: la antigüedad grecorromana y el origen de las especies' in L.V. Renon et al (eds.) *Del Pensar y Su Memoria*, Madrid, 611-625
Lloyd, G. 'La scienza nella Cina premoderna: un analisis comparativa' in K. Chemla et al (eds.) *Storia della Scienza*, vol. 2 part 1, Rome, 571-579
Lloyd, G. 'Ancient science and modern justice' in M. Canto-Sperber and P. Pellegrin (eds.) *Le Style de la Pensée*, Paris, 502-521
Lloyd, G. 'Le pluralisme de la vie intellectuelle avant Platon' in A. Laks and C. Louguet (eds.) *Qu'est-ce la philosophie Presocratique?*, Lille, 39-53

Reviews

- Lloyd, G. Review of R. Sorabji, *Emotion and Peace of Mind*, in *Times Higher Education Supplement*, December 2001

In Press

Books

- Lloyd, G. and Sivin, N. (2002) *The Way and the Word*, Yale University Press
Lloyd, G. (2002) *The Ambitions of Curiosity*, Cambridge University Press
Lloyd, G. (2003) *In the Grip of Disease: Studies in the Greek Imagination*, Oxford University Press

Lectures and Conferences

October 2001

On the organising committee, and participated in the 9th International Conference on the History of Science in China, at Hong Kong

Lloyd, G. 'Was misunderstanding inevitable? Ricci and the problem of cross-cultural interpretation', keynote lecture at a conference on Matteo Ricci, and after at the City University of Hong Kong
Lloyd, G. 'Les concepts de la vérité en Grèce ancienne et en Chine ancienne', conference on Truth, College de France (The conference proceedings are to be published by Seuil)

October-November 2001

Lloyd, G. 'Literacy in Greek and Chinese Science: some comparative issues', conference on Literacy in the Ancient World, at Rice, Houston, Texas

November 2001

Lloyd, G. 'The problem of metaphor: Chinese perspectives', and 'Plato and the grip of disease on the Greek imagination', University of Texas at Austin

Lloyd, G. 'The "Origins" of science', New York Academy of Sciences

Lloyd, G. 'Critical problems in the comparative history of science', conference on Critical Problems in the History of East Asian Science, at the Dibner Institute, Cambridge, Mass.

December 2001

Attended a conference held in honour of Professor Ho Peng Yoke at the Needham Research Institute, Cambridge, on Divination

January 2002

Lloyd, G. 'The problem of metaphor: Chinese perspectives', lecture sponsored by the Humanities Center, the East Asian Studies Center, and the Departments of Philosophy and Classics, at Stanford University

Lloyd, G. 'The grip of disease on the Greek imagination', Classics Department, Berkeley University

February 2002

Lloyd, G. 'The Universities: their histories and responsibilities, Sydney Grammar School

Lloyd, G. 'The institutional framework of science in China, Mesopotamia and Greece', Centre for East Asian Studies, University of Singapore

April 2002

Lloyd, G. 'Les individus et les institutions: les problèmes du cadre institutionnel de la science en Chine, en Mésopotamie et en Grèce ancienne', Ecole Normale Supérieur

July 2002

Lloyd, G. 'The questionability of belief', conference on The Process of Belief, sponsored by the Gulbenkian Foundation, at Lisbon

August 2002

Attended the Symposium Aristotelicum at Lille, devoted to Aristotle, Metaphysics B

HELEN MACDONALD

Helen Macdonald spent September 2001 to March 2002 in Boise, Idaho, USA conducting AHRB-funded research for her PhD dissertation at the Archives of American Falconry (World Center for Birds of Prey) and the Richard Olendorff Memorial Library (Boise State University). In spring 2002 Helen became Book Reviews Editor (with Tim Lewens) of *Studies in History and Philosophy of Biological and Biomedical Sciences*. In addition to her PhD dissertation she is working on a book entitled *The Falcon* commissioned by Reaktion Books, a chapter on the history of falconry for a volume edited by Dr Mike Nicholls – and, in a rather different field, she has been commissioned to write a book of poems in collaboration with the ornithologist and poet Colin Simms.

Publications

Articles in journals

Macdonald, H.J. "What makes you a scientist is the way you look at things": ornithology and the observer 1930-1955', *Studies in History and Philosophy of the Biological and Biomedical Sciences* 33 (2001), 53–77

Reviews

Macdonald, H. J. Review of J.I. Zalles and K.L. Bildstein (eds.) *Raptor Watch: A Global Directory of Raptor Migration Sites*, in *The Ibis* 143, (3) (2001), 516

In Press

Articles in journals

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

Lectures and Conferences

December 2001

Macdonald, H.J. 'Raptor biology, conservation and falconry' Department of Biology, Boise State University, Boise, Idaho, US

NEIL C. MANSON

This year has involved a change in philosophical direction. For the past three years or so Neil Manson has been working, as a JRF at King's College Cambridge, on a cluster of philosophical issues to do with consciousness and the conscious/unconscious contrast. In July 2002 he began a three-year research fellowship in philosophy and bioethics at King's. The project – 'Informed consent and genetic data' – is a collaborative one (with Onora O'Neill from Philosophy; Peter Lipton from HPS; and Martin Richards from SPS), and is but one aspect of the burgeoning bioethics research community developing in Cambridge. 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. 'Epistemic consciousness', *Studies in History and Philosophy of Science* 33, 3, (2002)

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. 'What does language tell us about consciousness? First-person mental discourse and higher-order thought theories of consciousness', *Philosophical Psychology* (2002)

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

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

JOAN MASON

Publications

Reviews

Mason, J. 'Macho molecules and glass ceilings', review of M. Wyer, M. Barbercheck, D. Giesman, H. Örtün Öztürk and M. Wayne (eds.) *Women, Science and Technology: a Reader in Feminist Science Studies*; M. Mayberry, B. Subramaniam and L. Weasel (eds.) *Feminist Science Studies: A New Generation*; H. Etzkowitz, C. Kemelgor and B. Uzzi, *Athena Unbound: the Advancement of Women in Science and Technology*; and *Science policies in the European Union: promoting excellence through mainstreaming gender equality, a report from the ETAN Expert Working Group on Women and Science*, in *Times Higher Education Supplement*, 7 September 2001, 35

In Press

Articles in books

- Mason, J. 'Hertha Ayrton (1854-1923)' in Nina 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

Conferences and Projects

Member of the IUHPS/DHS Commission on *Women in the History of Science*, planning a conference on *Women Scientists and Institutions*, 8-11 June 2003 at the Masaryk College, Czech Technical University, Prague

Three-year *Mentoring Project* 2002-2004 for women in science, and engineering and technology, by the Association for Women in Science and Engineering and the Women's Engineering Society, funded by the OST/DTI

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: Conversations with More Famous Chemists*, Imperial College Press
-

JAMES MOORE

In Press

Articles in books

- Moore, J. 'Science and religion' 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. 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 New Dictionary of National Biography*, Oxford University Press

Lectures and Conferences

October 2001

Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

Warwick Seminar Series in the Social History of Medicine, Centre for the History of Medicine and Centre for Research in Health, Medicine and Society, Warwick University

November 2001

Life Sciences Research Group, Dudley House, Harvard University

Guest lecture, Charles Darwin and 19th Century England (Dr David Bisno), Institute for Lifelong Education, Dartmouth College

Special Biology Department Seminar, co-sponsored by Humanities Centre, Dartmouth College

Public lecture, Bennington College, Bennington, New Hampshire

Guest lecture, The Meanings of Evolution (Prof. Bruce Weber), Bennington College, Bennington, New Hampshire

Religion and Science in Historical Perspective seminar series, Faculty of Theology, University of Oxford

February 2002

Guest discussion, His3931, Science and Popular Culture (Prof. Betty Smocovitis), University of Florida (Gainesville)

Guest discussion, His6482, Readings in History of Science (Prof. Frederick Gregory), University of Florida (Gainesville)

Spring Research Seminar Series on 'Moods and Motivations,' School of Anthropological Studies, Queens University, Belfast

May 2002

Science and Religion: The Religious Beliefs and Practices of Scientists – 20th Century, Institut für Wissenschaftsgeschichte, Georg-August-Universität Göttingen

September 2002

International Society for Reef Studies European Meeting, Robinson College, Cambridge

ADAM MOSLEY

Publications

Articles in books

Mosley, A. (2002) 'Tycho Brahe's *Epistolae astronomicae*: a reappraisal' in T. van Houdt, J. Papy, G. Tournoy, and C. Matheussen (eds.) *Self Presentation and Social Identification: The Rhetoric and Pragmatics of Letter-Writing in Early-Modern Times*, Leuven University Press

Reviews

Mosley, A. 'John Donne's verdict on Tycho Brahe: no astronomer is an island?'' Review of J. Christianson, *On Tycho's Island: Tycho Brahe and his Assistants, 1570-1601*, in *Studies in History & Philosophy of Science*, No. 32 (2001), 583-600

In Press

Articles in books

Mosley, A. 'Tycho Brahe and John Craig: the dynamic of a dispute' in J. Christianson, A. Hadravova, P. Hadrava and M. Solc (eds.) *Tycho Brahe and Prague: Crossroads of European Science*, Verlag Harri Deutsch

Mosley, A. 'Spheres and texts on spheres: the book-instrument relationship and a Whipple armillary' 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

Mosley, A. 'John Chamber' in *New Dictionary of National Biography*, Oxford University Press

Mosley, A. 'Petrus Peregrinus de Maricourt' in T. Hockey (ed.) *Biographical Encyclopedia of Astronomers*, Kluwer Academic Publishers

Mosley, A. 'Caspar Peucer' in T. Hockey (ed.) *Biographical Encyclopedia of Astronomers*, Kluwer Academic Publishers

Mosley, A. 'Johannes de Sacrobosco' in T. Hockey (ed.) *Biographical Encyclopedia of Astronomers*, Kluwer Academic Publishers

Mosley, A. 'Paul Wittich' in T. Hockey (ed.) *Biographical Encyclopedia of Astronomers*, Kluwer Academic Publishers

Lectures and Conferences

October 2001

Mosley, A. 'Tycho Brahe and John Craig: the dynamic of a dispute', Symposium for the 400th anniversary of Tycho Brahe's death, *Tycho Brahe and Prague: Crossroads of European Science*, Charles University, Prague

January 2002

Mosley, A. 'Correspondence, conflict and comets: Tycho Brahe and John Craig', Cambridge Society for Neo-Latin Studies, Clare College, Cambridge

RICHARD NOAKES

In February 2002 Richard Noakes was appointed British Academy-Royal Society Postdoctoral Research Fellow in the History of Science. In March 2002 he was appointed supervising editor on Bernard Lightman (ed.) *The Dictionary of Nineteenth-Century British Scientists* (Thoemmes Press, forthcoming).

Publications

Articles in journals

Shuttleworth, S., Dawson, G. and Noakes, R. 'Women, science, and culture: science and the nineteenth-century periodical', *Women: A Cultural Review* 12 (2001), 57–70

Reviews

Noakes, R. Review of I.R. Morus, *Frankenstein's Children: Electricity, Experiment, and Exhibition in Early-Nineteenth-Century London*, in *Victorian Studies* 43 (2001), 330–333

In Press

Books

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

Cantor, G., Dawson, G., Noakes, R., Shuttleworth, S. and Topham, J. (eds.) *Reading the Magazine of Nature*, Cambridge University Press

Articles in books

Noakes, R. (2002) "'Instruments to lay hold of spirit": technologising the bodies of Victorian spiritualism' in I.R. Morus (ed.) *Bodies/Machines*, Berg

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. '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*, Cambridge University Press

Noakes, R. '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*, Cambridge University Press

Articles in journals

Noakes, R. 'Science in mid-Victorian *Punch*', *Endeavour* (September 2002)

MICHAEL REDHEAD

Publications

Articles in books

Redhead, M.L.G. (2001) 'The intelligibility of the universe' in A. O'Hear (ed.) *Philosophy at the New Millennium*, Cambridge University Press, 73-90

Redhead, M.L.G. (2001) 'The tangled story of nonlocality in quantum mechanics' in R.J. Russell, P. Clayton, K. Wegter-McNelly and J. Polkinghorne (eds.) *Quantum Mechanics: Scientific Perspectives on Divine Action*, Vatican Observatory Publications, 141-158

Redhead, M.L.G. (2002) 'The unseen world', CPNSS Discussion Paper Series, DP 61/02

Reviews

Redhead, M.L.G. Review of H. Knag, *The Quantum Generations: A History of Physics in the Twentieth Century*, in *Notes and Records of the Royal Society* 55 (2001), 496-497

Redhead, M.L.G. Review of S. Psillos, *Scientific Realism: How Science Treats Truth*, in *Metascience* 10 (2001), 341-347

Redhead, M.L.G. Review of L. Smolin, *Three Roads to Quantum Gravity*, in *The London Review of Books*, vol. 24, no. 10 (2002), 30-31

In Press

Articles in books

Redhead, M.L.G. 'Philosophy and particle physics' in J. Rigden (ed.) *Elementary Particle Physics*, Macmillan

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

Articles in journals

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

Redhead, M.L.G. and Debs, T. 'Hegerfeldt's theorem and the Jericho effect', *Studies in History and Philosophy of Modern Physics*

Reviews

Redhead, M.L.G. Review of R. Batterman, *The Devil in the Details: Asymptotic Reasoning in Explanation, Reduction and Emergence*, in *Studies in History and Philosophy of Modern Physics*

MARTIN RUDWICK

Publications

Articles in books

Rudwick, M. (2001) 'Jean-André de Luc and nature's chronology' in C.L.E. Lewis and S.J. Knell (eds.) *The Age of the Earth: from 4004BC to AD2002*, Geological Society, London, Special Publication 190, 51-60

In Press

Articles in books

Rudwick, M. 'Charles Lyell (1797-1875)' and 'George Poulett Scrope (1797-1876)' in *New Dictionary of National Biography*, Oxford University Press

Lectures and Conferences

March 2002

Rudwick, M. 'The antiquity of man before Lyell's *Antiquity of Man*', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

COLIN RUSSELL

Publications

Articles in books

Russell, C.A. (2001) 'Charles Lyell' in J. Zumerchik (ed.) *Macmillan Encyclopedia of Energy*, Macmillan

Articles in journals

Russell, C.A. 'A safe pair of hands' [J. H. Gladstone], *Chem. Brit.*, 2002, 38 (2), 35-37

Russell, C.A. 'Chemist of contradictions' [Sidgwick], *Chem. Brit.*, 2002, 38 (8), 38-40

Russell, C.A. 'The centrality of the "Chemical Revolution" for later industrial change: a challenge for industrial archaeology', *Trans. of TICCIH Congress, 2000*, 'From Industrial Revolution to Consumer Revolution', 2001, 65-73

Russell, C.A. 'The long shadow of alchemy', *Proc. XVth Christ and the Cosmos Conference*, 2002, 16, 33-50

Reviews

Russell, C.A. Review of Alan J. Rocke, *Nationalizing science: Adolphe Wurtz and the Battle for French Chemistry*, in *Chem. Brit.*, 2001, 37, 45

Russell, C.A. Review of O.T. Benfey and P.J.T. Morris (eds.) *Robert Burns Woodward: Architect and Artist in the World of Molecules*, in *Ambix*, 2002, 49, 92-4

Russell, C.A. Review of S. Wilkens and A.G. Padgett, *Christianity and Western Thought, Volume 2: 'Faith and Reason in the 19th Century'*, in *Science and Christian Belief*, 2002, 14, 189-190

In Press

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
- 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

Lectures and Conferences

February 2002

- Russell, C.A. "The farmer's in his den": crisis in agriculture and a Christian response', Lent lecture series on 'Creation', Ecclesall Parish Church, Sheffield

April 2002

- Russell, C.A. 'The long shadow of alchemy', XVIth Christ and the Cosmos Conference, London Colney

AYAKO SAKURAI

In Press

Articles in books

- Sakurai, A (2002) "Lustig sein, froelich sein, heirassassa!" – the Merry Banquets of the Naturalists' in T. Morimura and T. Yamane (eds.) *Dimensions of Sociability – Human Relations in Historical Perspective*, Kashiwa Syobou Press, Tokyo

CHRISTINE F. SALAZAR

Christine Salazar is continuing to work freelance as General Editor for the *Brill New Pauly* (English edition of the *Neue Pauly* encyclopaedia of classical antiquity); volume I of which is about to be published.

Publications

Article in journal

- Salazar, C. F. 'Die Ohnmacht in der griechisch-römischen Medizin, insbesondere im traumatologisch-chirurgischen Umfeld', *Sudhoffs Archiv*, No. 85.2 (2001), 169-174

Reviews

- Salazar, C. F. Review of E. M. Craik, *Hippocrates, Places in Man*, in *Classical Review* (2002)
- Salazar, C. F. Review of A. D. Mauroides, *Archigenes Philippou Apameus*, in *Classical Review*, No. 51.2 (2001), 423
- Salazar, C. F. Review of C. Schulze, *Aulus Cornelius – Arzt oder Laie?*, in *Gnomon* (2002)

In press

Reviews

- Salazar, C. F. Review of I. Andorlini (ed.) *Greek Medical Papyri I*, in *Classical Review*
- Salazar, C. F. Review of V. Boudon (ed.) *Galien II: Exhortation à l'Étude de la Médecine; Art Médical*, in *Classical Review*
- Salazar, C. F. Review of R. Breitwieser, *Medizin im römischen Österreich*, in *Classical Review*
- Salazar, C. F. Review of M. M. Sassi, *The Science of Man in Ancient Greece*, in *Medical History*
- Salazar, C. F. Review of C. Schulze, *Celsus*, in *Classical Review*

MAX SATCHELL

Max Satchell was awarded a three-year Wellcome Trust Fellowship in the History of Medicine in November 2001 to research the historical geography of all non-leper hospitals founded in England between 1100 and 1300. The project will be undertaken at the Cambridge Group for the History of Population and Social Structure in the Department of Geography.

Lectures and Conferences

October 2001

Satchell, M. 'The Historic Field Systems of East Anglia Project: The Essex Evidence', The Colchester Archaeology Group, Summer Lecture Series

February 2002

Satchell, M. 'Towards a hospital geography of Medieval England', Medieval History Seminar, University of East Anglia

May 2002

Satchell, M. 'The emergence of leper-houses in Medieval England', Graduate Seminar, Department of Geography, University of Cambridge

July 2002

Satchell, M. 'Reading exclusion in the landscape: GIS and the interpretation of the siting of Medieval hospitals', Leeds Medieval Congress

Satchell, M. 'Rites of passage: interpreting death and burial within the Medieval leper-house', Leeds Medieval Congress

SIMON SCHAFFER

Publications

Articles in books

Schaffer, S. (2001) 'James Clerk Maxwell' in P. Harman and S. Mitton (eds.) *Cambridge Scientific Minds*, Cambridge University Press, 123-140

Schaffer, S. (2002) 'The devices of iconoclasm' in B. Latour and P. Weibel (eds.) *Iconoclasm: Beyond the Image Wars*, MIT Press, 498-515

Articles in journals

Schaffer, S. 'Le savant aux deux visages', *Cahiers de Science et Vie* 62 (2001), 32-37

Schaffer, S. 'The disappearance of useful sciences', *Cambridge Anthropology* 22 (2001), 1-23

Schaffer, S. 'On with the motley?', *Metascience* 10 (2001), 378-385

Lectures and Seminars

September 2001

Schaffer, S. 'The lightning rod controversy', *The Long View*, BBC Radio 4

Schaffer, S. 'Why did the Victorians do physics?', Alumni Weekend, University of Cambridge

October 2001

Schaffer, S. 'The gold trade and the Guinea Coast', Conference on the City and the Sea, Institute of Historical Research

November 2001

Schaffer, S. 'Anthropologists and Hill Stations in British India', Department of Anthropology, Queen's University Belfast

Schaffer, S. 'The history of oceanography', *In Our Time*, BBC Radio 4

December 2001

Schaffer, S. 'Soap bubbles', Workshop on Things that Talk, Max-Planck-Institut fuer Wissenschaftsgeschichte, Berlin

January 2002

Schaffer, S. 'Microhistories and history of science', London School of Economics

February 2002

Schaffer, S. 'Time machines', Sedgwick Museum, Cambridge

Schaffer, S. 'Models and microhistories', Green College, University of British Columbia

March 2002

Schaffer, S. 'Private and public in Newton's career', University Library, Cambridge

Schaffer, S. 'Models of ships in enlightened Britain', Science Studies, University of Oslo

Schaffer, S. 'Mathematics and physics in Victorian Cambridge', Department of History, University of Oslo

April 2002

Schaffer, S. 'Measuring reality and unreality', Kettle's Yard, Cambridge

May 2002

Schaffer, S. 'Ship models and the values of enlightenment', Science and Technology Studies, University of New South Wales

Schaffer, S. 'Golden means: assaying and the Guinea trade', History and Philosophy of Science, University of Melbourne

JUTTA SCHICKORE

Publications

Articles in books

Schickore, J. (2002) 'Fixierung mikroskopischer Beobachtungen: Zeichnung, Dauerpräparat, Mikrofotografie' in P. Geimer (ed.) *Ordnungen der Sichtbarkeit. Fotografie in Wissenschaft, Technologie und Kunst*, Suhrkamp, 285-310

Articles in journals

Schickore, J. and Hoffmann, C. 'Secondary matters: on disturbances, contamination, and waste as objects of research. Introduction', *Perspectives on Science* 9 (2001), 123-125

Schickore, J. 'Ever-present impediments: exploring instruments and methods in microscopy', *Perspectives on Science* 9 (2001), 126-146

Schickore, J. 'The task of explaining sight. Hermann von Helmholtz's writings on vision as a test case for models of science popularization', *Science in Context* 14 (2001), 397-417

Edited journals

Schickore, J. (2001) Guest Editor with Christoph Hoffmann of a special issue on 'Secondary matters: on disturbances, contamination, and waste as objects of research', *Perspectives on Science* 9

In Press

Articles in books

Schickore, J. 'The contexts of scientific justification. Some reflections on the relations between epistemological contextualism and philosophy of science' in *Vienna Circle Yearbook*

Schickore, J. Dictionary entry 'Microscope' in *Oxford Companion to the History of Science*, Macmillan

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

Lectures and Conferences

November 2001

Schickore, J. 'The historicity of epistemological concepts', History of Science Society Annual Meeting, Denver, Colorado

February 2002

Organiser (with Friedrich Steinle) of an international conference on *Revisiting Discovery and Justification*, held at the Max Planck Institute for the History of Science, Berlin, Germany

Schickore, J. 'The context distinction as a focal point for HPS? William Whewell's project of a history and philosophy of the inductive sciences', *Revisiting Discovery and Justification* conference, Berlin

May 2002

Schickore, J. 'The microscope's eye: the organ of vision as an object and a means of microscopical investigation', *The Mediated Body* conference, University of Maastricht, Netherlands

June 2002

Schickore, J. "'...a contemplation of the whole of science and its history' – William Whewell, the context distinction, and HPS", History of Philosophy of Science (HOPOS) meeting, Montréal, Canada

ANNE SECORD

In March 2002 Anne Secord was awarded the Helen Brock Research Award by the Master and Fellows of Selwyn College. She used the award to carry out archive work at the New York Botanic Garden.

Publications

Articles in journals

Secord, A. 'Botany on a plate: pleasure and the power of pictures in promoting early nineteenth-century scientific knowledge', *Isis*, 93 (2002), 28-57

In Press

Articles in journals

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

Articles in books

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

Lectures and Conferences

November 2001

Secord, A. "'Be what you would seem to be": Samuel Smiles, Thomas Edward and the making of a working-class scientific hero', History of Science Society Annual Meeting, Denver, Colorado

JIM SECORD

During the past year Jim Secord was elected to the councils of the British Society for the History of Science and the History of Science Society. His recent book, *Victorian Sensation*, won the annual award for the best book in history from the Association of American Publishers' Professional/Scholarly Publishing Division, and was recommended as one of the best books of the year in the *Sunday Times* and *New Statesman*.

Publications

Articles in journals

Secord, J. (2002) 'Author's response' to comments on *Victorian Sensation* by A. Johns, E. Richards and M. Taylor in *Metascience*, vol. 11, 28-33

Reviews

Secord, J. Review of J. Camerini (ed.) *The Alfred Russel Wallace Reader*, and P. Raby, *Alfred Russel Wallace*, in *American Scientist* (Mar-Apr 2002)

Secord, J. Review of J.E. Strick, *Sparks of Life: Darwinism and the Victorian Debates over Spontaneous Generation*, in *Albion* (2002)

In Press

Articles in books

- Secord, J. (2003) 'Monsters at the Crystal Palace' in S. de Chadarevian and N. Hopwood (eds.) *Models: The Third Dimension of Science*, Stanford University Press
- Secord, J. (2004) Ten articles in *New Dictionary of National Biography*, Oxford University Press

Lectures and Conferences

October 2001

- Secord, J. 'The geography of reading in early Victorian Britain', London Group of Historical Geographers, Institute of Historical Research
- Secord, J. 'The Victorians and the Book of Creation', Modern History Faculty and Theology Faculty, University of Oxford

November 2001

- Secord, J. 'Crowds and celebrities: faces of knowledge in the pictorial press', HSS Annual Meeting, Denver, Colorado
- Secord, J. 'The naturalist of parts: composite caricatures of science and medicine in nineteenth-century England', Cabinet of Natural History, University of Cambridge

April 2002

- Secord, J. 'Adam Sedgwick', Friends of the Sedgwick Museum Annual Dinner
- Secord, J. 'A reader's perspective', History of Science and Technology Project Open Day, King's College London

May 2002

- Secord, J. 'Scrapbook science: composite caricatures in late Georgian England', Conference on Figural Vocabularies of Science and Gender, York University, Toronto, Canada

RICHARD SERJEANTSON

Richard Serjeantson has been appointed as a Temporary University Assistant Lecturer in the Faculty of History from October 2001 to October 2004.

Publications

Articles in journals

- Serjeantson, R.W. 'The passions and animal language, 1540-1700', *Journal of the History of Ideas*, 62:3 (2001), 425-444
- Serjeantson, R.W. 'Herbert of Cherbury before Deism: the early reception of the *De veritate*', *The Seventeenth Century*, 16 (2001), 217-238

Reviews

- Serjeantson, R.W. Review of B.J. Shapiro, *A Culture of Fact: England, 1550-1720*, in *Journal of Ecclesiastical History*, 52 (2001), 558-560

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

Lectures and Conferences

July 2002

Serjeantson, R.W. 'Experimental philosophy and the operations of the mind', Herzog-August-Bibliothek, Wolfenbüttel, Germany

SUJIT SIVASUNDARAM

Sujit Sivasundaram completed his doctorate entitled, 'Nature Speaks Theology: Colonialism, Cultivation, Conversion and the Pacific, 1795-1850'. While recovering, he took up a Temporary Lectureship at University College London (Science and Technology Studies), where he wrote and gave forty-four lectures on the 'Modern History of Biology' and 'Science, Colonialism and Post-Colonialism'. In the last six months, he took time out to work at his church, the Round Church at St. Andrew the Great, Cambridge. He was elected to a Research Fellowship at Gonville and Caius College, effective from October 2002.

Publications

Articles in journals

Sivasundaram, S. 'Natural history spiritualized: civilizing islanders, cultivating breadfruit and collecting souls', *History of Science*, Vol. 39 (2001), 417-443

In Press

Articles in books

Sivasundaram, S. (2002) 'The periodical as barometer: spiritual measurement and the *Evangelical Magazine*' in G. Cantor et. al (eds.) *Science and Culture in the Nineteenth-Century Media*

Lectures and Conferences

October 2001

Sivasundaram, S. 'Fields of plenty and lights that shine: agrarian patriotism and the ideal mission settlement in the Pacific', Commonwealth and Overseas Seminar, Faculty of History, Cambridge

March 2002

Sivasundaram, S. 'Deification and divination: Rev. John Williams' alleged meeting with the cannibals of Erromanga, 1839', The Poetics of Scientific Biography Conference, Copenhagen, Denmark

September 2002

Sivasundaram, S. 'Typologies of martyrdom: Reverend John Williams and Captain James Cook', AHRB Conference, Captain Cook: Explorations and Reassessments, University of Teeside

EMMA SPARY

Publications

Books

Spary, E.C. and te Heesen, A. (eds.) (2001) *Sammeln als Wissen*, Wallstein Verlag

Articles in books

Spary, E.C. (2001) 'Codes der Leidenschaft: Vögel als galante Sprache im 18. Jahrhundert' in E.C. Spary and A. te Heesen (eds.) *Sammeln als Wissen*, Wallstein Verlag, 39-61

In Press

Articles in books

Spary, E.C. (2002) 'Forging nature at the republican Muséum' in L. Daston (ed.) *The Display of Nature in Eighteenth-Century Europe*, Wallstein Verlag

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*, No. 35 (2003)

Reviews

Spary, E.C. Review of P. Scholliers (ed.) *Food, Drink and Identity: Cooking, Eating and Drinking in Europe Since the Middle Ages*, in *Economic History Review* (2001)

Spary, E.C. Review of J. Loveland, *Rhetoric and Natural History: Buffon in Polemical and Literary Context*, in *British Journal for the History of Science* (2002)

Lectures and Conferences

April 2002

Spary, E.C. "'Peaches which the patriarchs lacked": natural history, natural resources, and the natural economy in eighteenth-century France', Workshop 'Oeconomies in the Age of Newton, 1650-1750', Durham, North Carolina

LIBA TAUB

Liba Taub continues to serve on the University Council. During the past academic year, she has been an active participant in the Universeum Academic Heritage Project, a network of European universities with significant collections (www.universeum.de). She also serves on the steering group organised by *re:source* (The Council for Museums, Libraries and Archives) to review Designation and the Designation Challenge Fund, and on the UK Spoliation Advisory Panel.

Publications

Articles in books

Taub, L. (2001) 'Destini della scienza greca: eredità e longevità degli strumenti scientifici' ['The destiny of Greek science: the legacy and longevity of the scientific instruments'] in S. Settis (ed.) *I Greci: Storia Cultura Arte Società*, vol. 3: *I Greci oltre la Grecia*, Giulio Einaudi, 889-930

Taub, L. (2002) 'Ancient meteorology: astronomy and weather prediction in the Roman period' in J. Renn and G. Castagnetti (eds.) *Homo Faber: Studies on nature, technology and science at the time of Pompeii*, *Studi della Soprintendenza archeologica de Pompei* 6, 'L'Erma' di Bretschneider, 143-152

Taub, L. (2002) 'Determining the Equinox in Alexandria: what were Ptolemy's rings used for?' in M. Dorikens (ed.) *Scientific Instruments and Museums* (Proceedings of the XXth International Congress of History of Science, Liège, 20-26 July 1997), Brepols, 21-27

In Press

Articles in books

Taub, L. 'Instruments of Alexandrian Astronomy: the uses of the equinoctial rings' in C. Tuplin and T. Rihl (eds.) *Science and Mathematics in Ancient Greek Culture*, Oxford University Press

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

Taub, L. 'Orrery' in *Companion to the History of Modern Science*, Oxford University Press

Lectures and Conferences

November 2001

Taub, L. 'Academic heritage as a primary source of information on the history of science: on the role of university collections and museums in history of science, technology and medicine', European Month of Academic Heritage, organised by Universeum (Academic Heritage Project), Universiteitsmuseum, Utrecht

February 2002

Taub, L. 'The Whipple Museum of the History of Science: the living legacy of Robert S. Whipple', Highgate Literary and Scientific Institution, London

Taub, L. 'Ancient meteorology: a scientific community communes with its past', Pudding Seminar, Newnham College

March 2002

Taub, L. 'Out of the hands of Zeus: characterising ancient meteorology', Centre for History of Science, Medicine and Technology, University of Manchester

Museum Exhibitions and Catalogues

Reserve Gallery completed, Whipple Museum of the History of Science, March 2002, with funding from the Designation Challenge Fund

Contributed 'Introduction: Universities in Europe – The circulation of ideas' to *Alligators and Astrolabes: Treasures of University Collections in Europe* (catalogue published on the occasion of the first 'European Month of Academic Heritage', November 2001, by partner institutions of the European Union Project 'Academic Heritage and European Universities: Responsibility and Public Access')

Developed 'Passport to Our Academic Heritage' (Whipple Museum visitor booklet and trail) with Ben Please (a former HPS Part II student)

DEBORAH THOM

During Easter term 2002 Deborah Thom was on study leave from her college post.

In Press

Articles in books

Thom, D. (2002) 'The healthy citizen of empire or juvenile delinquent' in H. Marland and M. Gwirjke Hofstra (eds.) *Child Health*, History of Medicine series, Rodipe

Thom, D. (2002) 'Making a spectacle of women's work: the Imperial War Museum women's work collection' in G. Braybon (ed.) *Reassessing the First World War*, Berg

Lectures and Conferences

April 2002

Thom, D. 'The humanitarian league and penal reform', History Department seminar, University of Manchester

August 2002

Thom, D. 'Child guidance and child punishment', Vasteras Sweden conference 'Normalising the child', funded by the Birgitta foundation, organised by the Institute for the study of the child, Linkoping, Sweden

KARIN TYBJERG

In Press

Articles in books

Tybjerg, K. 'The Mechanical Treatises of Hero of Alexandria' in *Geschichte der Mathematik und der Naturwissenschaften in der Antike*, Physik-Mechanik

Articles in journals

Tybjerg, K. 'Wonder-making and philosophical wonder in Hero of Alexandria', *Studies in History and Philosophy of Science*

Reviews

Tybjerg, K. Review of A. Barker, *Ptolemy's Harmonics*, in *BJHS*

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*

Lectures and Conferences

November 2001

Tybjerg, K. 'A geometry of machines', History of Science Society Annual Meeting, Denver CO

January 2002

Tybjerg, K. 'Nature and technology in mechanics in the Imperial Roman Period', Problemi di Macchinismo in Ambito Romano, Museo Civici, Como

March 2002

Tybjerg, K. 'Knowledge and machines: Hero of Alexandria's mechanical treatises', Ancient History Seminar, Department of Classics, Cambridge

May 2002

Tybjerg, K. 'Demonstrative practices in Hero of Alexandria', Histoire et historiographie de la démonstration mathématique dans les traditions anciennes, Columbia University Institute for Scholars at Reid Hall, Paris

JOHN VAN WYHE

In the past year John van Wyhe completed his PhD thesis 'Phrenology's nature and the spread of popular naturalism in Britain c. 1800-1850' and accepted a Senior Research Fellowship at the National University of Singapore (2001-2). While in Singapore John created a popular introduction to the history of Victorian science on *The Victorian Web* (<http://www.scholars.nus.edu.sg/landow/victorian/>). He also completed a new site: *The writings of Charles Darwin on the web* (<http://pages.britishlibrary.net/charles.darwin/>), a site which provides the digitised writings of Darwin in citable form.

Publications

Articles in journals

van Wyhe, J. 'The authority of human nature: the *Schädellehre* of Franz Joseph Gall', *British Journal for the History of Science*, March (2002) 17-42

In Press

Books

van Wyhe, J. *Phrenology and the origins of naturalism in Victorian Britain*, Ashgate Publishing

van Wyhe, J. (ed.) *The Constitution of Man and its receptions*, 3 vols, Thoemmes Press

Articles in books

van Wyhe, J. (2002) 'George Combe', *The Dictionary of Nineteenth-Century British Philosophers*, Thoemmes Press

van Wyhe, J. (2002) 'Phrenology', *Skeptic's Encyclopedia of Pseudoscience*, ABC-CLIO

van Wyhe, J., Eleven entries in *Dictionary of Nineteenth-Century British Scientists*, Thoemmes Press

Articles in journals

van Wyhe, J. 'Science vs. religion or my gods are better than your gods? The controversies over Combe's *Constitution of Man* 1826-60', *Intellectual News* (2002)

Lectures and Conferences

December 2001

van Wyhe, J. 'Naturforscher oder Scharlatan? Der Schädellehrer Franz Joseph Gall (1758-1828)', Sitzungssaal of the Rathaus of Weil der Stadt, Germany. Hosted by the Heimatverein Weil der Stadt

May 2002

van Wyhe, J. 'Natural laws and Victorian sciences', History of Science seminar, National University of Singapore

PAUL WHITE

Publications

Books

White, P. *Thomas Huxley: making the 'man of science'*, Cambridge University Press

Articles in books

White, P. 'Cross-cultural encounters: the co-production of science and literature in mid-Victorian periodicals' in R. Lockhurst and J. McDonagh (eds.) *Transactions and encounters: science and culture in the nineteenth century*, Manchester University Press, 75-95

In Press

Books

White, P. et al. (eds.) *The correspondence of Charles Darwin*, vol. 13, Cambridge University Press

Lectures and Conferences

November 2001

White, P. 'The experimental animal in Victorian Britain', Cambridge Cabinet of Natural History

September 2002

White, P., 'The conduct of belief and the formation of scientific communities', Conference on *Science and beliefs: from natural philosophy to natural science*, St. John's College, University of Durham

FRANCES WILLMOTH

Publications

Books

Forbes, E.G., Murdin, L. and Willmoth, F. (eds.) (2001) *The correspondence of John Flamsteed, the first Astronomer Royal*, vol. 3: 1703-1719, IOP Publishing. This completes the 3-volume set

Willmoth, F. (2002) *Your humble servant, John Flamsteed: letters and writings of the first Astronomer Royal*, Whipple Museum of the History of Science

Lectures and Conferences

November 2001

Willmoth, F. 'Flamsteed's letters', introducing an afternoon of seminars held at HPS on 22 November 2001, to mark the publication of the third volume of Flamsteed's *Correspondence* (Other contributors: Jenny Downes, Prof. Michael Hunter, Prof. Sir Alan Cook, Dr Rob Iliffe, Dr Jim Bennett)

Seminar Programmes 2001-02

Michaelmas Term 2001

RESEARCH METHODS SEMINARS

These two seminars on Research Methods and Topics in History and Philosophy of the Sciences are for all new Graduate Students. Each seminar will consist of short informal talks presenting research methodologies and areas and introducing the Guides to Research Resources in HPS 2001/02, which is available on the HPS website at www.hps.cam.ac.uk/students

The seminars take place on Thursday 4 October and Thursday 11 October at 4pm in Seminar Room 2. Tea is served at 3.45pm in Seminar Room 1. Organised by Marina Frasca-Spada (mfs10@cam.ac.uk) and Nick Jardine (nj103@cam.ac.uk)

- 4 October **1. Methods** Chaired by Nick Jardine
Peter Lipton, *Resources in philosophy*; Jim Secord, *Writing history*; Jill Whitelock, *Libraries*; Soraya de Chadarevian, *Interviews*; Patricia Fara, *Illustrations*; John Forrester, *The temptations of the academic researcher*
- 11 October **2. Topics** Chaired by Jim Secord
Lauren Kassell, *Medicine and magic*; Cathy Gere, *Gender and science*; Anjan Chakravartty and Tim Lewens, *Philosophy of the sciences*; Jim Endersby, *History of natural history*; Nick Jardine, *Historiography*; Marina Frasca-Spada, *History of philosophy*; Liba Taub, *Instruments*

DEPARTMENTAL SEMINARS

Seminars meet at 4.30pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane. There is tea beforehand in Seminar Room 1 at 4pm.

- 18 October **Stephen Mumford (University of Nottingham)**
Filled in Space

Philosophers have considered the question of the dispositional properties of basic particulars, such as the sub-atomic particles of physical theory. Given that such dispositional properties are supposed to be ungrounded and unstructured, the question arises of what kind of Being such dispositions have when unmanifested. I will argue that they have none and that when such basic particles are manifesting no disposition - when they cease to act - they cease to exist. Peter Simons allows objects with gappy existences but I argue that, in this case, such a view does not apply. Basic particles can be seen as foci of occurrences, out of which can be built the metaphysical notion of substance.

- 25 October **Alan Morton (Science Museum, London)**
Museums of the Future and the Future of Museums

- 1 November **Jimena Canales (Harvard University)**
Spectacular Psychology: Early Experimental Psychology in France

This paper is about early experimental psychology in France. While historians have usually traced the birth of experimental psychology to Germany, and particularly to the work of Wilhelm Wundt, this paper instead focuses on certain key experiments performed in France, starting in the 1850s, that would later become foundational for experimental psychology worldwide. The focus on Germany and Wundt as the birthplace of experimental psychology can in fact be traced back to Théodule Ribot's influential *La Psychologie Allemande Contemporaine (École Expérimentale)* (1879). At the time, however, Ribot was accused of 'inventing Wundt' and of obscuring the work of French authors. Indeed, the reaction-time experiments described by Ribot were already central to many investigations in France. From the human sciences, these ranged from Charles Brown-Séguard's studies

on nerve transmission to heated controversies between the medical faculty in Nancy and that of Paris on the seat of sensation and perception. We also have physiologists learning from the work of physicists and astronomers. For example, Jules Etienne Marey in 1868 turned to the Observatoire de Paris to learn about the astronomers' instruments for measuring the personal equation, and other physiologists were forced to learn about physicists' investigations on the duration of retinal impressions. By focusing on the controversies surrounding reaction-time experiments, this paper unearths a substantial amount of experimental work performed in France regarding questions of sensation, perception and volition in both healthy and pathological subjects.

8 November **Jim Endersby (HPS, University of Cambridge)**
Broad species, bottled ale and a good botanical horse: how to make yourself into a philosophical botanist

In 1843, Joseph Dalton Hooker returned from his four-year voyage to the Antarctic and started looking for a full-time paid position as a botanist. Yet, despite being the son of William Hooker, director of the Royal Botanic Gardens at Kew, it would take Joseph more than twenty years before he achieved his ambition and succeeded his father. His main difficulty was the low status of botany in Britain, which partly resulted from botanists' failure to tackle philosophical questions, such as plant distribution. Hooker assembled his botanical friends, bottles of ale and 'a good botanical horse' into a collecting network that allowed him to assemble the materials from which he published his major Floras. His wish to be paid to be philosophical shaped these networks, but examining them reveals that the apparently mundane practices of field collecting shaped Hooker's definition of philosophical.

15 November **Deep Kanta Lahiri Choudhury (Faculty of History, University of Cambridge)**
The technology of telegraphy and the telegraphy of technology: the Indian Empire, 1860-1900

The paper is on the economy and imagination of the telegraph in the Indian Empire, c.1860-1900. India in the larger sense became a crucial area in the geo-political set up of the British Empire, especially with the formation of the first global telecommunication system. The paper will argue towards a method with which to understand both the imagination, economy and society created by communication technology as much as this technology itself existed within a particular imagination, structure of time and society.

22 November **A Flamsteed Celebration** (from 3.30pm)

To mark publication of the final volume of *The correspondence of John Flamsteed, the first Astronomer Royal (1646-1719)*, a group of speakers will discuss Flamsteed's place in the history of astronomy and the context in which his work was carried out. Consideration of the general problems of editing letters and relating them to other source material will be complemented by examining the testimony of letters as evidence for the nature and context of particular aspects of Flamsteed's work. Contributors will include: Jim Bennet, Jenny Downes, Michael Hunter, Rob Iliffe and Frances Willmoth. There will be two sessions, with a break between them to allow viewing of a Flamsteed exhibition in the Whipple Museum.

29 November **Nancy Cartwright (London School of Economics)**
How not to get causes from probabilities

HISTORY OF MODERN MEDICINE AND BIOLOGY

Seminars take place on alternate Tuesdays from 5.00-6.30pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane, Cambridge. Tea is served from 4.30pm. All welcome. Organised by Soraya de Chadarevian (sd10016@cam.ac.uk)

9 October **Volker Hess (Max-Planck Institut, Berlin)**
Body techniques and fever charts: introducing the thermometer in the hospital

23 October **Andrew Cunningham (HPS, University of Cambridge)**
Pathology before and after the French Revolution

6 November **Jutta Schickore (HPS, University of Cambridge)**
Insurmountable limits, disturbances, peculiarities: exploring the means of microscopy

20 November **Robert Olby (University of Pittsburgh)**
Molecularizing the neurosciences: the case of Holger Hydén on memory

EARLY MEDICINE AND NATURAL PHILOSOPHY

Medicine and Magic

Seminars take place on alternate Tuesdays at 5pm in Seminar Room 1, Department of History and Philosophy of Science. Tea is served from 4.30pm. Organised by Lauren Kassell (ltk21@cam.ac.uk) and Sophie Page

- 16 October **Cornelius O'Boyle (Wellcome Institute, London)**
Astrological Almanacs in Fifteenth-Century English Medicine
- 30 October **Jonathan Hughes (University of East Anglia)**
The World of the Late Medieval Alchemist
- 13 November **Charles Burnett (Warburg Institute)**
Diseases and Planets
- 27 November **Penny Bayer (University of Warwick)**
Lady Margaret Clifford (1560-1616), Christopher Tylour (fl.1580-c.1598), and Alchemical Notions of Health

PSYCHOANALYSIS AND THE HUMANITIES

Seminars take place on alternate Wednesdays from 5.00 to 6.30pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Tea is served from 4.40pm. All welcome. Organised by Mary Jacobus (mlj25@cam.ac.uk) and David Hillman

- 10 October **Anita Sokolsky (Williams College)**
Melancholy, Stoppard's Arcadia, and Complexity Theory
- 24 October **Cathy Gere (HPS, University of Cambridge)**
The Psyche Element: Archeology, Psychoanalysis, and Dionysian Modernity
- 7 November **David Hillman (Faculty of English, University of Cambridge)**
Insides and Outsides: Belief, Scepticism, and Shakespeare
- 21 November **Malcolm Pines (British Psychoanalytical Society)**
Mirroring in Human Development, with a Glance at Ovid

PSY STUDIES

History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

All seminars start at 5.00pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Tea is served before each seminar at 4.40pm. Organised by John Forrester (jpf11@cam.ac.uk) and Deborah Thom (dt111@cam.ac.uk)

- 17 October **Michael Molnar (Research Director, Freud Museum, London)**
Electricity and the Organ of the Soul: Freud and Fleischl-Marxow, 1883-1895
- 31 October **Philip Kuhn (Poet and Historian)**
Testing narratives and persecuted speech: readings of the newspaper reports concerning Dr Ernest Jones's 1906 trial for indecent child assault
- 14 November **Greg Fried (HPS, University of Cambridge)**
Freud and the Perils of Humour
- 28 November **Sally Alexander (Goldsmith's College, University of London)**
The Psychopathology of Everyday Life: British Culture between the Wars

CABINET OF NATURAL HISTORY

Unless otherwise stated, meetings take place at 1pm on Mondays in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Feel free to bring lunch with you. Organised by Vicky Carroll (vlc21@cam.ac.uk) and Sadiyah Qureshi (sq203@cam.ac.uk)

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| 8 October | Sam Alberti (University of Manchester)
Chapels of science: provincial Natural History collections in nineteenth-century England |
| 15 October | Jim Moore (Open University)
Space-invaders: Darwin and Wallace on biogeography |
| 22 October | Cabinet Fungus Hunt |
| 29 October | Paul White (HPS, University of Cambridge)
The experimental animal in Victorian Britain |
| 5 November | Rainer Broemer (University of Aberdeen)
Natural History and the Italian Nation after 1861 |
| 12 November | Michael Bravo (Scott Polar Research Institute, University of Cambridge)
The Moravian experiment: colonial natural history, missionary artisans, and religious conversion (1730-1830) |
| 19 November | Steve Baker (University of Central Lancashire)
Art after ethics? Debating the place of the living animal in contemporary works of art |
| 26 November | Jim Secord (HPS, University of Cambridge)
The naturalist of parts: composite caricatures in nineteenth-century England |

EPISTEMOLOGY READING GROUP

We will be reading articles from *The Social Construction of What?* by Ian Hacking. The book is available in paperback in the philosophy section at Heffers, 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 of the HPS Department and are open to all. Organised by Peter Lipton (Peter.Lipton@kings.cam.ac.uk)

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| 4 October | 'Why Ask What?' |
| 11 October | 'Too Many Metaphors' |
| 18 October | 'What about the Natural Sciences?' |
| 25 October | 'Madness: Biological or Constructed?' |
| 1 November | 'Kind-making: The Case of Child Abuse' |
| 8 November | 'Weapons Research' |
| 15 November | 'Rocks' |
| 22 November | 'The End of Captain Cook' |

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 from 10 October at 1pm in Seminar Room 1 of the HPS Department, and are open to all researchers. For more information or to add your name to the list of e-mail recipients, contact Anjan Chakravartty (Anjan.Chakravartty@kings.cam.ac.uk) or Tim Lewens (tml1000@hermes.cam.ac.uk).

EPACTS

Early Physics, Astronomy, Cosmology and Technology Seminar

Meetings take place fortnightly on Wednesdays in M4 New Court, Trinity College, at 6pm. All are welcome. For further information, contact Adam Mosley (ajm1006@cus.cam.ac.uk).

- 17 October G. L'E. Turner, Appendix, 'The Attribution of Unsigned Instruments', in his *Elizabethan Instrument Makers* (WL K.239)
S. Lubar, 'Learning from Technological Things', and J. Corn, 'Object Lessons/Object Myths? What Historians of Technology Learn from Things' in W. D. Kingery (ed), *Learning from Things* (Copies in box file 31)
- 31 October M. Shank, 'Galileo's Day in Court', *Journal of the History of Astronomy* 25 (1995), 236-243
M. Biagioli, 'Playing with the Evidence', *Early Science and Medicine* 1 (1996), 75-105
M. Shank, 'How shall we practise history? The Case of Mario Biagioli's Galileo Courtier', *Early Science and Medicine* 1 (1996), 106-150
- 14 November Seneca, *Natural Questions*, Book 1, 'Lights in the Sky' (Copies in box file 31)
- 28 November Plutarch, *Concerning the Face Which Appears in the Orb of the Moon* (WL B.180)

MEDIEVAL SCIENCE & PHILOSOPHY READING GROUP

We will be reading the *Dragmaticon Philosophiae* by William of Conches, in the translation entitled *A Dialogue on Natural Philosophy*, translated by Italo Ronca and Matthew Curr. The group will meet in L1 Great Court, Trinity College, at 1pm on Thursdays, and each session will consist of a discussion of a portion of the text, introduced by one member of the group. The text should be available on reserve in the Whipple Library of the Department of History and Philosophy of Science, and in the medieval authors section of Heffers, although it is quite expensive. Everyone is welcome, and welcome to bring their lunch. Further information is available from David Chart (dc132@cam.ac.uk).

- 4 October Book One (The Nature of the World)
- 11 October Book Two (The Elements)
- 18 October Book Three (The Heavens)
- 25 October Book Four (Astronomy)
- 1 November Book Five (Meteorology)
- 8 November Book Six, Part One (The Earth)
- 15 November Book Six, Part Two, Chapters 7 – 17 (Human Physiology)
- 22 November Book Six, Part Two, Chapters 18 – 27 (Senses and Thought)

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. Papers are deposited in Box File 30 in the Whipple Library one week in advance of each meeting and are also circulated by e-mail. Meetings take place on alternate Wednesdays at 1pm in Seminar Room 1, Department of History and Philosophy of Science. You are welcome to bring lunch with you. Please contact Kemal de Soysa (ktmd2@cam.ac.uk) to receive papers by e-mail.

- 17 October **Nicholas Dew (St. Catherine's College, Cambridge)**
Atlantic triangulation: the French expedition to Goree and the Antilles, 1682-83
- 31 October **Michael Michael (HPS, University of Cambridge)**
The relationship between W. K. Clifford's mathematics and his scientific naturalism
- 14 November **Kemal de Soysa (HPS, University of Cambridge)**
Cor Caroli: The Construction of a Constellation
- 28 November **Sadiah Qureshi (HPS, University of Cambridge)**
Displaying Sara Baartman, the 'Hottentot Venus'

SCIENCE AND LITERATURE READING GROUP

The Science and Literature Reading Group will be continuing this term, under temporary new management. We will be reading more chapters of Rebecca Stott's forthcoming book on Darwin's early barnacle research; it's not essential to have read last term's chapters, so newcomers are very welcome. Please contact Rebecca at R.K.Stott@anglia.ac.uk and she will e-mail out copies of the first session's chapters. The venue has changed from last year, but the timings are still the same, on alternate Tuesdays between 8 and 10pm. We will start on Tuesday 6 November at 8pm, and see how we go; the room is booked until mid-December. The group will meet in Sidgwick Hall at Newnham College: turn right through the porters' lodge, along the main corridor and follow the marked diversion route.

PHILOSOPHY OF MATHEMATICS READING GROUP

The Philosophy of Mathematics Reading Group meets fortnightly on Fridays at 2pm in Seminar Room 1. Organised by David Corfield (dnc24@cam.ac.uk)

During this term the readings address the question 'What should philosophers of mathematics be doing?' You can find copies of the texts in a folder in the Whipple Library. Please contact me if you wish to attend.

- 12 October Jeremy Gray (1992) 'The nineteenth-century revolution in mathematical ontology' in Gillies D. (ed.) *Revolutions in Mathematics*, OUP.
Gray argues that changes in the philosophical conceptions of the nature of mathematics during the nineteenth-century were driven by the practical needs of mathematicians. We shall arrange a date to meet up with him to discuss our reading of his article.
- 26 October Jamie Tappenden (1995) 'Extending Knowledge and "Fruitful Concepts": Fregean Themes in the Foundations of Mathematics', *Nous* 29(4): 427-467.
Here the foundational aims of Frege as conceived by contemporary philosophers of mathematics are severely questioned. Frege is shown to be closely involved with, and influenced by, late nineteenth-century mathematicians.
- 9 November Penelope Maddy (1998a) 'How to be a naturalist about mathematics' in G. Dales and G. Oliveri (eds.) *Truth in Mathematics*, 161-180; and (1998b) 'Naturalizing Mathematical Methodology' in M. Schirn (ed.) *Philosophy of Mathematics Today*, 175-193.
A philosopher argues that philosophy of mathematics should engage in the rational reconstruction of theoretical developments within mathematics, taking axiom choice in set theory as a case study. Internal mathematical reasons are to be found, while metaphysical arguments are to be ignored.
- 23 November Saunders Mac Lane (1986) 'The Mathematical Network', Chap. 12 of *Mathematics: Form and Function*.
A mathematician argues that philosophy of mathematics should not ask about the truth of a piece of mathematics, but rather whether it is correct, responsive, illuminating, promising and relevant.

Lent Term 2002

DEPARTMENTAL SEMINARS

Seminars meet at 4.30pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane. There is tea beforehand in Seminar Room 1 at 4pm. Organised by Simon Schaffer (sjs16@cam.ac.uk)

17 January **Barbara Saunders (Clare Hall, Cambridge; University of Louvain)**
The Deadly Time-Machine

In many disciplines Berlin and Kay's Basic Color Terms (1969) is cited as support for the cross-cultural universality of an evolutionarily emerging number of basic colour categories. Although the exact meaning of basic colour terms (BCTs) has never been spelled out, here is how they might be understood. The referent could be a set of colour chips (colour-in-the-world), a set of neurons in the brain or functionally defined term in a language-of-thought (colour-in-the-head), words in different languages labelling basic colours (colour semantics), or the experience or sensation associated with basic colour categories (phenomenal colour). As basic colours are claimed to be universals, the exact reference of a BCT is irrelevant because all levels are connected by linking propositions in one-to-one correspondence. Berlin and Kay's results are assimilated in a variety of disciplines: cognitive science, artificial intelligence, psychology, linguistics and anthropology, and it has been said that there is a small chromatic zeitgeist loose in the world (Byrne and Hilbert 1997). 'Colour' on this account is a universal, autonomous domain, programmed by evolution, governed by a species-specific organ, known as 'the colour space'. It is claimed to be the evolutionary solution for integrating a physically heterogeneous collection of distal stimuli into a small set of visually salient equivalence classes, deployed in a variety of perceptual conditions. It has prompted the claim that Berlin and Kay's evolutionary sequence constitutes 'a primary epigenetic rule serving color category development' linking genes, neurons and the evolutionary development of macro-cognitive behaviour (Lumsden 1985, p. 5808). In contrast to this theory, I shall argue that the theory of Basic Color Terms runs on two foundational myths: i) camera obscura epistemology; ii) the denial of coevalness. In this presentation I shall show how together they form a deadly time-machine, that locks the narrative in place.

24 January **Jerry Kutcher (Columbia University College of Physicians and Surgeons)**
The Production of Trustworthy Knowledge: Clinical Trials, Ethical Review and the Reduction of Risk

During the period following World War II, clinical trials became the standard method for producing medical knowledge about new therapies in the US. However, by the mid-1960s a series of public disclosures of unethical experimentation, culminating in the thalidomide scandal, threatened the viability of a medical research enterprise that had grown to enormous proportions. The National Institutes of Health (as well as the Food and Drug Administration) introduced prescriptive rules to govern medical research. In particular, grant proposals had to demonstrate an independent determination of the subject's welfare, the methods to secure informed consent, and the risks and potential medical benefits. A number of bioethicists, among them Ruth Faden and Tom Beauchamp in their influential *A History and Theory of Informed Consent*, have claimed the NIH rules marked another significant step in the affirmation of the autonomy rights of patients. In this presentation I argue rather that regulators, particularly James Shannon at the NIH, began to realise that it was no longer tenable for trust in the ethical probity of research to be held by individual investigators. These NIH regulators appreciated that the increasingly potent therapeutic regimes on offer in clinical trials was exposing the medical community to appreciable and unpredictable risks of scandals and the further erosion of public support. Shannon instituted a new system of governance that transferred the authority for sanctioning research from researchers who were seemingly impossible to control to local peer review committees. This system would moderate the experimental risks that researchers were willing to take through peer pressure, thereby reducing the risks to the medical community. As a consequence, peer review would restore the public's trust through demonstrable institutional practices that would control medical investigations. In this new system of governance, researchers were de-centred – but so were patients. Informed consent was instrumental to maintaining public trust and not a means for affirming autonomy rights.

7 February **Stuart Clark (University of Wales, Swansea)**
Demonic Dreams and Visual Paradoxes

Until the early modern period, the interpretation of dreams was dominated by moral questions, rather than epistemological ones, although the latter were certainly not absent. In the period between Montaigne and Descartes (and presumably beyond) epistemological issues become much more important, perhaps even fusing with moral ones. What might have brought this about was the debate about whether witchcraft experiences were merely dreams, a debate which flourished within demonology from the 1430s onwards and was certainly going strong by the time Montaigne tackled both epistemological scepticism and witchcraft in his 'Essays'. It seems to be a significant debate in this context, because it confronted (as only a debate about the devil's powers could confront) the possibility of total deception. I treat this as visual deception only by taking dream experiences to be essentially visual ones. In other words, witchcraft theory created opportunities for discussing demonic dreams as epistemological and visual paradoxes – the sort of paradoxes usually reserved for philosophical discussion. The paper ends with the chapter in Malebranche's 'De la recherche de la verité' on 'People Who Imagine Themselves to be Sorcerers and Werewolves'.

14 February **Margaret Osler (University of Calgary)**
New Wine in Old Bottles: Gassendi and the Aristotelian Origin of Physics

The demise of Aristotelianism is the main theme of many accounts of the Scientific Revolution. Accordingly, the rise of modern science coincided with and depended upon the rejection of Aristotelian physics. Examination of physics texts from the early modern period calls for a more complicated understanding of the relationship between Aristotelian physics and early modern natural philosophy. In this paper I argue that although much of the content of early modern physics was the result of profound intellectual changes that involved the replacement of Aristotelian concepts with those associated with Galileo's new science of motion and the mechanization of nature, the form in which natural philosophers wrote about physics continued to follow the Aristotelian model. This continuity of form was reflected in the definition of physics, certain methodological tenets, and the order in which topics were treated. In other words, the discipline of physics retained its Aristotelian format even while its content underwent dramatic conceptual change. An examination of Pierre Gassendi's 'Physics' is a compelling illustration of this thesis.

21 February **Alexander Bird (University of Edinburgh)**
Scientific Progress and the Aim of Belief

What is scientific progress? Answer: science or a particular scientific field progresses precisely when it generates an increase in knowledge. I argue that this view has advantages over rival realist/external accounts (e.g. progress as increasing verisimilitude) as well as over anti-realist/internal accounts (such as the accounts of the positivists, Lakatos, and Kuhn). Separately, I also argue that the aim of belief in knowledge, and hence that progress in scientific belief is success in generating scientific knowledge.

28 February **Frank Jackson (Australian National University)**
Mind and Illusion

Much of the contemporary debate in the philosophy of mind is concerned with the clash between, on the one hand, certain strongly held intuitions, and, on the other, what science tells us about the mind and its relation to the world. What science tells us about the mind points strongly towards some version or other of physicalism. The intuitions, in one way or another, suggest that there is something seriously incomplete about any purely physical story about mind. Most philosophers given a choice between going with science and going with intuitions, go with science. Although I once dissented from the majority at least as far as one argument from a certain epistemic intuition goes, I have capitulated and now see the really interesting issue as being where the arguments from the intuitions, the arguments that seem so compelling, go wrong. I now think that the case for physicalism is sufficiently strong that we can be confident that the arguments from the intuitions go wrong somewhere, but where is somewhere? This paper offers an answer to that question for the knowledge argument against physicalism. I start with a reminder about the argument. I then consider two ways of dismissing it and explain why I am unmoved by either. The discussion here delivers two constraints that any satisfying physicalist reply should meet. The rest of the paper gives the answer I favour. It rests on a representationalist account of experience and, as the title suggests, I say *inter alia* that there is a pervasive illusion that conspires to lead us astray when we think about what it is like to have a colour experience.

7 March **Christopher Cullen (School of Oriental and African Studies, London)**
Actors, networks and 'disturbing spectacles' in institutional science: second century Chinese debates on astronomy

Ancient Western records provide only fragmentary materials for a history of institutionalised science. But from ancient China the evidence is rich and plentiful. Not only can we trace the development of the technical aspects of state-sponsored mathematical and observational astronomy in detail from a relatively early stage, but we can also follow the course of a series of acerbic debates on astronomical questions that took place at the highest levels of the imperial court. The records of these debates have only now begun to be studied. As well as adding new dimensions to our picture of ancient science, they also prompt us to reassess and perhaps modify widely accepted views of a contrast between a contestational ancient west and a consensus-centred east.

14 March **Charlotte Bigg (Max Planck Institute for History of Science, Berlin)**
'To see is to know': Mechanisms of Authenticity in the 1886 interview between Nadar and Chevreul

At the end of August 1886, the Parisian photographer and socialite Nadar carried out an interview with the organic chemist Michel Eugène Chevreul on the occasion of the latter's hundredth birthday. In the subsequent article, Nadar described at length his methods for recording mechanically Chevreul's appearance and voice, all intended, he argued, to supply readers with an unmediated and intimate access to the great scientist's mind and character. The paper analyses the technical and rhetorical means by which Nadar sought to achieve such an authenticity, drawing on the contemporary search in scientific and literary circles for a 'science of immediacy', expressed in Honoré de Balzac's dictum 'voir c'est savoir', as well as in Chevreul's own scientific practices. Nadar's project constituted an innovative portrayal of the scientific persona, which contrasted with the more conventional images produced simultaneously at the official celebrations held in honour of the hundred-year-old scientist. It implied a different conception of science and technology and of their publics.

LITERATURE AND SCIENCE 1700-1830

A series of six lectures and classes on Mondays at 10am in the Meade Room, Faculty of Economics, Sidgwick Avenue. Photocopies of sources for classes will be provided: contact Nigel Leask or Patricia Fara (pf10006@cam.ac.uk).

21 January *Class:* Newtonian Poetry
28 January *Lecture:* **Simon Schaffer (HPS):** Newton and Defoe
4 February *Class:* Romantic Botany: Erasmus Darwin and William Blake
11 February *Lecture:* **Richard Drayton (Faculty of History):** Natural History and the Poetics of Colonialism
18 February *Class:* Sparks of Life: Frankenstein
25 February *Lecture:* **Patricia Fara (HPS):** Metaphors of Magnetism

HISTORY OF MEDICINE

Seminars will take place on Tuesdays from 1.00 - 2.00pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. **Please note the change of time.** Please feel free to bring your lunch.

History of Modern Medicine and Biology

Organised by Sarah Hodges (seh52@cam.ac.uk) and Soraya de Chadarevian (sd10016@cam.ac.uk)

22 January **Susan Jones (University of Colorado-Boulder)**
Creating a Scientific Context for Contingent Knowledge in American Veterinary Medicine
5 February **Maneesha Lal (School of Oriental and African Studies, London)**
Osteomalacia in India: Framing a veiled disease
19 February **Lara Marks (Cambridge Group for the History of Population and Social Structure)**
Sexual chemistry: the power of the pill in the past and the future
5 March **Birgit Griesecke (Max-Planck Institute, Berlin)**
Night scientists at work: the Bristol Circle drug experiments

Early Medicine and Natural Philosophy: Medicine and Magic

Organised by Lauren Kassell (ltk21@cam.ac.uk) and Sophie Page (slp12@cam.ac.uk)

- 29 January **Luke Davidson (London)**
The Kiss of Life, the Untold Story (1774-1825)
- 12 February **David Juste (Warburg Institute, University of London)**
Medical Astrology in the Early Middle Ages
- 26 February **Emilie Savage-Smith (University of Oxford)**
Countering Disease with Magic: Medieval Islamic Artefacts vs. Texts
- 12 March **Erik Midelfort (University of Virginia)**
Joseph Gassner and Franz Anton Mesmer, Exorcism and Magnetism

PSYCHOANALYSIS AND THE HUMANITIES

Seminars take place on alternate Wednesdays from 5.00 to 6.30pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Tea is served from 4.40pm. All welcome. Organised by Mary Jacobus (mlj25@cam.ac.uk) and David Hillman

- 23 January **Steve Tift (Williams College)**
The Suppression of Eisenstein's Bezhin Meadow: Filicide and the Contradictions of the Cultural Symptom Under Stalin
- 6 February **Margot Waddell (British Psychoanalytical Institute)**
'A Local Habitation and a Name': The Dream Interpreter's Place in the Psychoanalytic Process
- 20 February **Mary Jacobus (Faculty of English, University of Cambridge)**
Palinurus and the Tank: Wilfred Bion, War Trauma, and Nameless Dread
- 6 March **Laura Marcus (Sussex University)**
Bryher in Berlin: Cinema and Psychoanalysis between the Wars

PSY STUDIES

History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

All seminars start at 5.00pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane on alternate Wednesdays. Tea is served before each seminar at 4.40pm. Organised by John Forrester (jpf11@cam.ac.uk) and Deborah Thom (dt111@cam.ac.uk)

- 30 January **Chris Waters (Director, Williams College Oxford Programme)**
Edward Glover, the Institute for the Scientific Treatment of Delinquency, and the Question of Homosexual Law Reform in Mid-Twentieth-Century Britain
- 13 February **Adam Phillips (London)**
The Analyst and the Bait
- 27 February **Joanna Bourke (Birkbeck College, London)**
Fear – an emotional history
- 13 March **Mary Target (British Psycho-Analytical Society and UCL)**
Psychoanalysis, Universities and Psychological Research: A Toxic Mixture?

CABINET OF NATURAL HISTORY

Meetings take place at 1pm on Mondays in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Feel free to bring lunch with you. Organised by Vicky Carroll (vlc21@cam.ac.uk) and Sadiya Qureshi (sq203@cam.ac.uk)

- 21 January **John Gascoigne (University of New South Wales)**
Improvement and science in early colonial Australia

28 January	Kate Bennet (Department of English, University of Cambridge) Editing the Cabinet: Aubrey's Brief Lives
4 February	Susie West (Cambridge University Library) The making and meanings of country house libraries in the long eighteenth century
11 February	Sujit Sivasundaram (HPS, University of Cambridge) Believing Beaver or Sinful Sloth?: The Evangelical Natural History of the Colonised Mind, c. 1810
18 February	Felix Driver (Royal Holloway, University of London) John Septimus Roe and the Art of Navigation, c. 1812-1830
25 February	David Anderson (University of Aberdeen) Arctic Fantasies: The Translocation and Resurrection of Bisons, Musk Oxen and Mammoths
4 March	Ann Starr How to Look at a Monster: Observational Drawing and Historical Context
11 March	Martin Rudwick (HPS, University of Cambridge) The antiquity of man before Lyell's <i>Antiquity of Man</i>

EPACTS

Early Physics, Astronomy, Cosmology and Technology Seminar

Meetings take place fortnightly on Wednesdays in M4 New Court, Trinity College, at 6pm. All are welcome. For further information, contact Adam Mosley (ajm1006@cus.cam.ac.uk).

EPISTEMOLOGY READING GROUP

We will be reading articles from *New Essays on the A Priori*, edited by Paul Boghossian and Christopher Peacocke (OUP, 2000). The book should be available in paperback in the Philosophy section at Heffers, and two copies will be 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 of the HPS Department and are open to all. Organised by Peter Lipton (Peter.Lipton@kings.cam.ac.uk)

17 January	Quassim Cassam, 'Rationalism, Empiricism, and the A Priori'
24 January	Philip Kitcher, 'A Priori Knowledge Revisited'
31 January	Peter Railton, 'A Priori Rules: Wittgenstein on the Normativity of Logic'
7 February	Paul Boghossian, 'Knowledge of Logic'
14 February	Frank Jackson, 'Representation, Scepticism, and the A Priori'
21 February	Michael Friedman, 'Transcendental Philosophy and A Priori Knowledge: A Neo-Kantian Perspective'
28 February	Martin Davies, 'Externalism and Armchair Knowledge'
7 March	Thomas Nagel, 'The Psychophysical Nexus'

PHILOSOPHY OF MATHEMATICS READING GROUP

The Philosophy of Mathematics Reading Group meets fortnightly on Fridays at 2pm in Seminar Room 1. You can find copies of the texts in a folder in the Whipple Library. Organised by David Corfield (dnc24@cam.ac.uk)

25 January	Ruelle D. (1988) 'Is our Mathematics Natural? The Case of Equilibrium Statistics', Bull. Amer. Math. Soc. 19, pp. 259-268.
8 February	Atiyah M. (1976) 'Global Geometry', in Atiyah Collected Works, vol. 1: Early Papers, General Papers. Oxford University Press, pp. 217-228.
22 February	Thurston W. (1994) 'On Proof and Progress in Mathematics', Bull. Amer. Math. Soc., 30(2), pp. 161-177.
8 March	Rotman B. (1997) 'Thinking Dia-Grams: Mathematics, Writing, and Virtual Reality' in B. Herrnstein Smith and A. Plotnitsky (eds.) <i>Mathematics, Science and Postclassical Theory</i> , Duke University Press, pp.17-39

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. Papers are deposited in Box File 30 in the Whipple Library one week in advance of each meeting and are also circulated by e-mail. Meetings take place on alternate Wednesdays at 1pm in Seminar Room 1, Department of History and Philosophy of Science. You are welcome to bring lunch with you. For further information please contact Jenny Downes (jdd26@cam.ac.uk)

- 30 January **Katie Eagleton (HPS, University of Cambridge)**
Chaucer's Treatise on the Astrolabe
- 13 February **Michael Bresalier (HPS, University of Cambridge)**
Membranes as Media: Culturing Flu Virus on the Developing Chick Egg, 1936-1942
- 27 February **Vittoria Feola (Faculty of History, University of Cambridge)**
Antiquity and Heraldry in Ashmole's History of the Order of the Garter
- 13 March **Richard Noakes (HPS, University of Cambridge)**
Rewriting 'Physics and Psychics': A Revisionist History of the Victorian Physics and the
Evanescent

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 from 23 January at 1pm in Seminar Room 1 of the HPS Department, and are open to all researchers. For more information or to add your name to the list of e-mail recipients, contact Anjan Chakravartty (Anjan.Chakravartty@kings.cam.ac.uk) or Tim Lewens (tml1000@hermes.cam.ac.uk).

SCIENCE AND LITERATURE READING GROUP

The group will start meeting again this term at 8pm on Tuesdays in the Godwin Room at Clare College. Organised by Jim Endersby. Call (01223) 527850 or e-mail jje21@cam.ac.uk for more information.

Utopian visions

The theme for this term is utopias, focussing particularly on those in which science plays a major role: here are the titles we've agreed. I have asked Heffers to have all of these in stock (apart from 'Masculine Birth of Time') for the start of term; they are also all available from Amazon.

- 29 January Francis Bacon, *New Atlantis* and 'The Masculine Birth of Time'
New Atlantis is available in a cheap paperback edition from Croft's Classics (Harlan Davidson), in the UL (180.d.98.29) and is in many college libraries. The 'Masculine Birth of Time' is in *The Philosophy of Francis Bacon* by Benjamin Farrington, but photocopies will be on reserve in the Whipple Library and will be sent to anyone who requests a copy.
- 12 February Jonathan Swift, 'A Voyage to Laputa', from *Gulliver's Travels*
Available in several cheap paperback editions, is in the UL (9002.d.9582) and most college and some departmental libraries.
- 26 February Edward Bulwer-Lytton, *The Coming Race*
Available in a cheap paperback (Woodbridge Press Publishing Co), it also is in the UL (8001.e.17) and some college and departmental libraries. It is also available as an e-book from Amazon.co.uk.
- 12 March Ursula Le Guin, *The Dispossessed: An Ambiguous Utopia*
There is a cheap paperback (HarperPrism); it's in the UL (1994.7.783) and some college and departmental libraries.

MEDIEVAL SCIENCE & PHILOSOPHY READING GROUP

We will be reading *De Ente et Essentia* by St Thomas Aquinas, in the translation entitled *Essence and Existence* in Aquinas *Selected Philosophical Writings*, in the Oxford World's Classics series. The group will meet in L1 Great Court, Trinity College at 1pm on Thursdays, and each session will consist of a discussion of an aspect of the text, introduced by one member of the group. As the text is short, but dense, people should try to read the whole thing before the first meeting. The text is available on reserve in the Whipple Library of the Department of History and Philosophy of Science, and in the medieval authors section of Heffers. It is an inexpensive paperback, and well worth buying for anyone with an interest in medieval philosophy. Everyone is welcome, and welcome to bring their lunch. Further information is available from David Chart (dc132@cam.ac.uk).

GENDER AND SCIENCE READING GROUP

The Gender and Science Reading Group is a discussion forum devoted to exploring the role of gender as a category of analysis within the history and philosophy of science. In addition to reading published work, the group also serves as a workshop space for work-in-progress, as and when the opportunity arises. Meetings are fortnightly at 1pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane. Please feel free to bring your lunch. Copies of the readings are available on reserve in the Whipple Library. For more information, contact Sarah Hodges (seh52@cam.ac.uk)

- 24 January Andrew Warwick, 'Exercising the Student Body: Mathematics and Athleticism in Victorian Cambridge' in Christopher Lawrence and Steven Shapin (eds), *Science Incarnate: Historical Embodiments of Natural Knowledge*. Chicago and London: University of Chicago Press, 1998 (pp. 288-326).
Paula Gould, 'Women and the Culture of University Physics in Late Nineteenth-Century Cambridge' *British Journal for the History of Science*, 1997, 30: 127-149.
- 7 February Anne Fausto-Sterling, *Sexing the Body: Gender Politics and the Construction of Sexuality*. New York: Basic Books, 2000. Chapter 6 ('Sex Glands, Hormones and Gender Chemistry') and Chapter 7 ('Do Sex Hormones Really Exist?'), pp. 146-194.
- 21 February Evelyn Fox Keller, *The Century of the Gene*. Cambridge, MA: Harvard University Press, 2000. Chapter 3 ('The Concept of a Genetic Program: How to Make an Organism'), pp. 73-102.
- 7 March Miranda Fricker, 'Feminism and Epistemology: Pluralism without Postmodernism,' in Miranda Fricker and Jennifer Hornsby (eds), *The Cambridge Companion to Feminism and Philosophy*. Cambridge: Cambridge University Press, 2000.

BIOLOGICAL SCIENCES READING GROUP

We would like to invite everyone interested to the first meeting of the reading group on biological sciences and visual representations in the 19th and first half of the 20th century. The meeting will take place in Seminar Room 1 on Friday 18 January at 1pm when we shall decide what we will be reading this term. Feel free to bring your lunch!

Michael Bresalier (mcb37@cam.ac.uk), Tatjana Buklijas (tb236@cam.ac.uk), Ayako Sakurai (as464@cam.ac.uk)

Easter Term 2002

GERD BUCHDAHL – IN MEMORIAM

Thursday 25 April

Gerd Buchdahl, one of the architects of History and Philosophy of Science as an independent discipline, first Head of the Department of History and Philosophy of Science, fellow of Darwin College, founder of Studies in History and Philosophy of Science, and internationally distinguished Kant scholar, died aged 86 on 17 May 2001.

3.30 Tea in Seminar Room 1

4.00 **Nick Jardine:** Memorial Address

4.30 **Mary Hesse, Michael Hoskin, Martin Rudwick, John Forrester, Simon Schaffer:** Memories

5.30 **Peter Lipton:** History of Science and Philosophy of Science

SPECIAL LECTURE

Professor Paul Rabinow (University of Berkeley, California)

‘Only motion: reflections on the idea of progress’

In light of recent ethnographic work on bio-technology and forms of life, this lecture will address the anthropological question of whether there is progress in history (and culture). Or whether this is still a question.

Thursday 2 May at 4.30pm

McCrum Lecture Theatre, Beldam Building, Bene't Street, Cambridge

Tea served before the lecture at 4pm in Seminar Room 1, Department of HPS

Drinks served afterwards at 6pm in Room G2, Department of Social Anthropology

Presented jointly with the Department of Social Anthropology

INAUGURAL LECTURE

Professor John Forrester

‘Freud in Cambridge’

Thursday 9 May at 5pm

Mill Lane Lecture Room 3

Tea served before the lecture at 4.30pm in Seminar Room 1, Department of HPS

Drinks served afterwards at 6pm in King's College Fellows' Garden, Queens' Road

SEVENTH ANNUAL HANS RAUSING LECTURE

Professor Harry Collins (University of Cardiff)

‘When is science? The logic and sociology of seeing nothing’

Thursday 30 May at 4.30pm

The Old Labs, Newnham College

Drinks served after the lecture at 6pm in the Principal's Lodge, Newnham College

DEPARTMENTAL SEMINARS

Seminars meet at 4.30pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane. Tea is served beforehand in Seminar Room 1 at 4pm. Organised by Simon Schaffer (sjs16@cam.ac.uk)

16 May **Nancy Hunt (University of Michigan)**
An infertility scare in Colonial Africa

Years ago, I stumbled across a file of letters between a private francophone Belgian planter and a distinguished Flemish scholar and priest about this colonial planter's campaign to reinspire fertility among a 'dying race' of Congolese subjects in the Belgian Congo. The planter was a bit of an eccentric named Charles Lodewyckx. Not at all reluctant to investigate Congolese women's sexual hygiene habits, he began a crusade in 1946 to alter their enema and douching practices. The priest was squeamish about the planter's coarse tongue, but found his campaign appropriately inspirational for a people who seemed to have lost the will to procreate.

When and why did infertility scares emerge in colonial Africa? And what kinds of science and knowledge did infertility scares produce? In this case, there were multiple actors and epidemiologies at play, and degenerationist language was profuse. In this paper, I will focus on the theories and practices of the doctors who entered the Mongo scene from the 1930s. Theirs was a biomedical, rather than a psychological or a historical epidemiology in the making. They hypothesized about degeneration and endocrinology, tracked venereal disease, set up a special infertility clinic, performed pelvic exams and salpingectomies, and experimented with psychological tests designed to diagnose a desire for modernity. Somehow Lodewyckx received a state-funded motor car for his work in the 1950s, but not without a battle that pitted the humanitarian professionals of late colonialism against a meddlesome, charismatic planter whose work generated more popular favour than did the practices of colonial gynecology.

23 May **Nicholas Jardine (HPS, University of Cambridge)**
Whigs and stories: Herbert Butterfield and the historiography of science

In *The Whig Interpretation of History* (1931) Herbert Butterfield inveighed against 'the study of the past with reference to the present'; and since the 1960s historians of science have routinely denounced as Whiggish the application of present-day categories to the activities of past persons who lacked those categories. In this talk I shall argue that much of the concern about conceptual presentism has been misguided. Butterfield himself barely touched on it, while he wrote at length about the impacts of presentism on the stories historians tell. The practical issues he highlighted – the relation of monographic to general history, the treatment of processes of historical transition, and the finality of historical narratives – remain crucial to historians of the sciences.

6 June **David Corfield (HPS, University of Cambridge)**
Higher dimensional algebra: an escape route for the philosophy of mathematics?

In comparison to its glorious past, the philosophy of mathematics has today fallen on hard times. Sporadic efforts have been made to take a historical or sociological turn, but these attempts to bring to bear on mathematics analysis matching the richness of contemporary studies of science seem to fizzle out. What is needed is a better co-ordinated effort that focuses on striking episodes in recent mathematics. In this paper I outline my hopes that an investigation of the ongoing programme of research whose names include 'Higher Dimensional Algebra' and 'Postmodern algebra' may play this role.

13 June **Kristine Haugen (Warburg Institute, University of London)**
Imagining things: theories and practices in early modern psychological inquiry

Early modern accounts of epistemology and mental activity have been eagerly studied in recent decades, especially for their relationship to actual habits of inquiry and argument in early modern natural philosophy. But early modern scholars also took the operations of the soul to be themselves an object for natural philosophy, an assumption that enabled a copious literature on psychology while generating profound methodological difficulties: it was by no means clear how one might translate the customs and the polemics of (say) astronomers or natural historians to the more nebulous, not to say quicksand-like, field of psychology. Through a double case study of Hume's *Treatise of Human Nature* (1739-40) and J H S Formey's *Mélanges philosophiques* (1754), this paper explores the consequences of one particular attempt at such a translation: the project of constructing a psychology 'without hypotheses.' In both Hume's and Formey's arguments, the crucial role of the empirically

given was filled alternately by ‘experiment’ derived from autobiography and from earlier texts, and by a dense bricolage of terms and entities taken from the psychological writings of classical antiquity and the sixteenth and seventeenth centuries. Despite their radically contrasting tendencies – Formey trumpeted his theological orthodoxy, while Hume remained resoundingly silent about metaphysics – these texts converged in their strategies for negotiating a field where practice itself was a form of theory.

PSYCHOANALYSIS AND THE HUMANITIES

Seminars take place from 5.00 to 6.30pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Tea is served from 4.40pm. All welcome. Please note that this term’s seminars run on selected Wednesdays; they are not held fortnightly. Organised by Mary Jacobus (mlj25@cam.ac.uk) and David Hillman

- 1 May **Sarah Wilson (Reader in Art History, Courtauld Institute)**
Freud according to Cézanne: Lyotard, art, and psychoanalysis
- 22 May **Susan Budd (British Psychoanalytical Society)**
Psychoanalysis, reading and misreading
- 29 May **Daniel Pick (Department of History, Queen Mary College, University of London; British Psychoanalytical Society)**
‘Rome or Death’: General Garibaldi, nationalism and the problems of psycho-biography

PSY STUDIES

History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

All seminars start at 5.00pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Tea is served before each seminar at 4.40pm. Organised by John Forrester (jpf11@cam.ac.uk) and Deborah Thom (dt111@cam.ac.uk)

- 8 May **Joel Eigen (Charles A. Dana Professor of Sociology, Franklin and Marshall College)**
Missing persons: consciousness and criminality in the Victorian court
- 15 May **Peter Brooks (Sterling Prof. of Comparative Literature & French, Yale; currently Eastman Visiting Professor, University of Oxford)**
Inevitable discovery

CABINET OF NATURAL HISTORY

Meetings take place at 1pm on Mondays in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane. Feel free to bring lunch with you. Organised by Vicky Carroll (vlc21@cam.ac.uk) and Sadiah Qureshi (sq203@cam.ac.uk)

- 29 April **Emma Reisz (Faculty of History, University of Cambridge)**
Manning the frontier: botany in Singapore, 1859-1912
- 6 May **Vicky Carroll (HPS, University of Cambridge)**
Crocodiles, Catholics and country houses: visiting Charles Waterton (1782-1865)
- Tuesday 7 May **Cabinet outing to the Natural History Museum**
- 13 May **Paul Greenhalgh (Nova Scotia College of Art and Design)**
Modernity and display: competing hierarchies and the visual arts in the Fin de Siècle
- 20 May **Gillian Beer (Faculty of English, University of Cambridge)**
Darwin in South America: geology and the imagination
- 27 May **Sara Pennell**
Curs and cures; or, how (and why) to treat the bite of a mad dog in the early modern era
- 3 June **Cathy Gere (HPS, University of Cambridge)**
Pots, vats and buckets of ice: a history of brain archiving
- 10 June **Cabinet Garden Party**
Richard Drayton (Faculty of History, University of Cambridge)
The nature of Afghanistan

EPACTS

Early Physics, Astronomy, Cosmology and Technology Seminar

Meetings take place fortnightly on Wednesdays in M4 New Court, Trinity College, at 6pm. All are welcome. For further information, contact Adam Mosley (ajm1006@cus.cam.ac.uk).

EPISTEMOLOGY READING GROUP

We will continue to read articles from *New Essays on the A Priori*, edited by Paul Boghossian and Christopher Peacocke (OUP, 2000). Two copies of the book 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 of the HPS Department and are open to all. Organised by Peter Lipton (Peter.Lipton@kings.cam.ac.uk)

25 April	Tyler Burge, 'Frege on Apriority'
2 May	Penelope Maddy, 'Naturalism and the A Priori'
9 May	Hartry Field, 'Apriority as an Evaluative Notion'
16 May	Paul Horwich, 'Stipulation, Meaning, and Apriority'
23 May	Stephen Yablo, 'Apriority and Existence'
30 May	Bob Hale & Crispin Wright, 'Implicit Definition and the A Priori'
6 June	Stewart Shapiro, 'The Status of Logic'
13 June	Bill Brewer, 'Externalism and A Priori Knowledge of Empirical Facts'

PHILOSOPHY OF MATHEMATICS READING GROUP

The Philosophy of Mathematics Reading Group meets fortnightly on Fridays at 2pm in Seminar Room 1. Copies of the readings are available at the desk in the Whipple Library. Organised by David Corfield (dnc24@cam.ac.uk)

3 May	Andrew Pickering (1997) 'Concepts and the Mangle of Practice: Constructing Quaternions' in Herrnstein Smith B. and Plotnitsky A. (eds.) (1997), <i>Mathematics, Science, and Postclassical Theory</i> . Durham: Duke University Press, 40-82.
17 May	McLarty C. (2000) 'Voire-Dire in the Case of Mathematical Progress.' in Grosholz E. and Breger H. (eds.) <i>The Growth of Mathematical Knowledge</i> , Kluwer, 260-279.
31 May	Benis-Sinaceur H. (2000) 'The Nature of Progress in Mathematics: The Significance of Analogy' in Grosholz E. and Breger H. (eds.), <i>The Growth of Mathematical Knowledge</i> , Kluwer, 281-293.
14 June	TBA

GENDER AND SCIENCE READING GROUP

The Gender and Science Reading Group is a discussion forum devoted to exploring the role of gender as a category of analysis within the history and philosophy of science. In addition to reading published work, the group also serves as a workshop space for work-in-progress, as and when the opportunity arises. Meetings are fortnightly at 1pm on Thursdays in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane. Please feel free to bring your lunch. Copies of the readings are available on reserve in the Whipple Library. For more information contact Sarah Hodges (seh52@cam.ac.uk).

2 May	Judith Butler, 'Contingent Foundations: Feminism and the Question of Postmodernism' in Judith Butler and Joan Scott, <i>Feminists Theorize the Political</i> . New York and London: Routledge, 1992.
16 May	Sally Haslanger, 'Feminism in Metaphysics: Negotiating the Natural' in Miranda Fricker and Jennifer Hornsby, <i>Feminism in Philosophy</i> . Cambridge: Cambridge University Press, 2000.

- 30 May Preface, Acknowledgements, 'Historical Introduction' and 'Marital Status and Sexual Outlet' (pp. v-34; 263-296) in Alfred Kinsey et al, *Sexual Behavior in the Human Male*. Philadelphia and London: WB Saunders Company, 1948.
- 13 June Foreword, Table of Contents, Acknowledgements, 'Scope of the Study', 'Extra-Marital Coitus' (pp. vii-21; 409-445) in Alfred Kinsey et al, *Sexual Behavior in the Human Female*. Philadelphia and London: WB Saunders Company, 1953.

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. Papers are deposited in Box File 30 in the Whipple Library one week in advance of each meeting and are also circulated by e-mail. Meetings take place on alternate Wednesdays at 1pm in Seminar Room 1, Department of History and Philosophy of Science. You are welcome to bring lunch with you. The last three speakers' titles are to be finalised; please contact Jenny Downes (jdd26@cam.ac.uk) for up to date information.

- 8 May **Michael Bresalier (HPS, University of Cambridge)**
Membranes as media: culturing flu virus on the developing chick egg, 1936-1942
- 22 May **Katrina Dean (HPS, University of Cambridge)**
The Melbourne physics laboratory: governing nation, empire and science
- 5 June **Jenny Downes (HPS, University of Cambridge)**
'Celestial America': Hevelius, 17th-century celestial mapping, and the rhetoric of discovery
- 19 June **Janet Vertesi (HPS, University of Cambridge)**
Visual testimony: an epistemology of scientific illustration

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 from 1 May at 1pm in Seminar Room 1 of the HPS Department, and are open to all researchers. For more information, or to add your name to the list of e-mail recipients, please contact Anjan Chakravartty (Anjan.Chakravartty@kings.cam.ac.uk) or Tim Lewens (tml1000@hermes.cam.ac.uk).

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. Call 01223 527850 or e-mail jje21@cam.ac.uk for more information.

Imagining scientists

This term we will be looking at the images of scientists (and their precursors) in literature – a topic that we will be continuing through the late nineteenth and early twentieth centuries in Michaelmas term next year.

- 30 April Christopher Marlowe 'Dr Faustus' (1604)
Marlowe's play is available in several cheap paperback editions. The WW Norton/New Mermaids edition, edited by Roma Gill (£5.99) is especially recommended and should be available from Heffers and Amazon. The play is also in the UL (1985.8.3271) and many college and departmental libraries.
- 14 May Thomas Shadwell 'The Virtuoso' (1676)
Shadwell's play is available in a cheap paperback series called Regents Restoration Drama (University of Nebraska Press), edited by Marjorie Hope Nicolson and David Stuart Rodes.

- However, you will need to order it from a bookshop or on-line. It is also in the UL (723:22.c.95.60) and may be in some college and departmental libraries.
- 28 May Robert Browning 'Paracelsus' (1835)
Browning's poem is in most of the larger collections of his work, which include several paperback editions. There are several editions in the UL (e.g. 721:26.c.95.1) and in most college and departmental libraries.
- 11 June Mary Shelley 'Frankenstein' (1818)
The original 1818 text is available as a cheap paperback (£2.99) from Oxford World's Classics, edited by Marilyn Butler. We will be concentrating on the 1818 text, so if you buy a different edition, check which text it uses. The third edition (1831) is also available in the same series at the same price, edited by M.K. Joseph, and those who are really fascinated may want to read and compare the two. The 1818 text is available in several editions in the UL (e.g. 2001.8.8296) and will be found in most college and departmental libraries.

LATIN THERAPY GROUP

This is a new group designed for postgraduate students who have to read Latin sources as part of their research. The aim is to provide translation practice and mutual help by members taking turns to bring short passages from the texts they are working on to the whole group. These passages are circulated several days before the meeting so that we can all have a shot at translating them and compare our results. We will meet 3 - 4.30 pm every Friday starting on 19 April, in Seminar Room 1. Tea and biscuits included. No text is too bizarre for us, whether classical, medieval or neo-Latin! Please contact Jenny Downes (jdd26@cam.ac.uk) if you are interested in joining.

MEDIEVAL SCIENCE & PHILOSOPHY READING GROUP

We will be reading *De Esse Dei* (On the Existence of God) by Duns Scotus, in the translation and edition on pages 34–81 of Duns Scotus, *Philosophical Writings*, edited and translated by Allan Wolter and published by Hackett. 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 medieval authors section of Heffers. Everyone is welcome, and welcome to bring their lunch. Further information is available from David Chart (dc132@cam.ac.uk)

- 25 April The Triple Primacy: Efficient Causation (pages 38–47)
 2 May The Triple Primacy: Final Causation and Pre-eminence (pages 47–49)
 9 May The Interrelation of the Three Primacies and the Unity of the Divine Nature (pages 49–52)
 16 May Intellect and Will: First and Second Conclusions (pages 52–58)
 23 May Intellect and Will: Third and Fourth Conclusions (pages 58–61)
 30 May The Infinity of the First Being: First Proof (pages 62–68)
 6 June The Infinity of the First Being: Further Proofs (pages 68–75)
 13 June Solution of the Question and Replies to initial arguments (pages 75–81)

PHILOSOPHY OF LANGUAGE READING GROUP

This is to announce a new reading group for anyone interested in philosophy of language. We propose to start the group by getting back to basics with readings on sense and reference. We will be reading articles from the *Oxford Readings on Meaning and Reference*, edited by A. W. Moore (OUP, 1993). 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. Meetings will take place on Tuesdays 1-2pm in Seminar Room 1 of the HPS Department. All are welcome, and please feel free to bring your lunch. Organised by Mark Sprevak (mds26@cam.ac.uk), Axel Gelfert (ag288@cam.ac.uk) and Christina McLeish (cm40@cam.ac.uk)

- 30 April Frege, 'On Sense and Reference'
 7 May Dummett, 'Frege's Distinction Between Sense and Reference'
 14 May Strawson, 'On Referring'

21 May	Quine, 'Mind and Verbal Dispositions'
28 May	Davidson, 'Truth and Meaning'
4 June	McDowell, 'On the Sense and Reference of a Proper Name'
11 June	Dummett, 'What Does Appeal to Use Do for the Theory of Meaning'
18 June	Evans, 'The Causal Theory of Names'

SCIENCE AND THE VISUAL READING GROUP

Science and the Visual Reading Group is a forum for discussing the relationship between science and visual representations. This term we will be reading about the transformation of media across time and the role it played in the production and communication of scientific knowledge. Meetings are fortnightly at 1pm on Fridays in Seminar Room 1. Feel free to bring your lunch. For more information, contact Michael Bresalier (mcb37@cam.ac.uk) or Ayako Sakurai (as464@cam.ac.uk)

26 April	<p>Introduction: The Media and the Visual</p> <ol style="list-style-type: none"> 1. E. Eisenstein, <i>The Printing Press as an Agent of Change</i>, Cambridge, 1979. 'The unacknowledged revolution' and 'Defining the initial shift' (Whipple E.357 A,B) 2. Adrian Johns, <i>The Nature of the Book</i>. Introduction. (Whipple E.792 A,B)
10 May	<p>The Visual at the time of Scientific Revolution</p> <ol style="list-style-type: none"> 1. Martin Kemp, 'Vision and Visualisation in the Illustration of Anatomy and Astronomy from Leonardo to Galileo' in Gay Freeland, Anthony Coronos (eds.), <i>1543 And All That</i>, 2000, pp.17-52. (Whipple B455) 2. James Franklin, 'Diagrammatic Reasoning and Modelling in the Imagination: The Secret Weapons of the Scientific Revolution' in Gay Freeland, Anthony Coronos (eds.), <i>1543 And All That</i>, 2000, pp.53-116. (Whipple B455)
24 May	<p>Visual Representation in the Age of the Steam Press</p> <ol style="list-style-type: none"> 1. Bernard Lightman, 'The Visual Theology of Victorian Popularizers of Science: From Reverent Eye to Chemical Retina', <i>Isis</i>, vol.91, no.4, 2000, pp.651-680. (In the Whipple) 2. Simon Schaffer, 'On Astronomical Drawing' in Caroline A. Jones, Peter Galison, <i>Picturing Science, Producing Art</i>. New York-London, Routledge, 1998. (Whipple, E.781 A,B)
7 June	<p>Photography</p> <p>Nancy Leys Stephan, <i>Picturing Tropical Nature</i>, London, 2001. Chapter 3 'Racial Degenerations', pp.85-119 and Chapter 4 'Racial Transformations', pp. 120-148. (Whipple W.828)</p>
21 June	<p>The Visual in Cyber Space</p> <ol style="list-style-type: none"> 1. M. Lynch, S. Edgerton, 'Abstract Painting and Astronomical Image Processing' in A. I. Farber (ed.), <i>The Elusive Synthesis, Aesthetics and Science</i>, Netherlands, 1996, pp.103-124. (Copy in the Box 31 in the Whipple Library) 2. Bruno Latour, <i>Iconoclash</i> (http://www.ensmp.fr/~latour/IKONOK/IKONOK-presentation.html) 3. Martin Kemp, Marina Wallace. <i>Spectacular bodies</i>, London, Hayward Gallery, 2000. Chapter 1 and 3. (Whipple V.677) 4. Catherine Waldby, 'The body and the digital archive: the Visible Human Project and the computerisation of medicine', <i>Health: an Interdisciplinary Journal for the Social Study of Health, Illness and Medicine</i>, vol. 1, no. 2, 1997. (Copy in the Box 31 in the Whipple Library)