

Contents

THE DEPARTMENT

| | |
|------------------------------------|---|
| Introduction..... | 2 |
| Staff and Affiliates..... | 3 |
| Visitors and Students..... | 4 |
| Comings and Goings..... | 5 |
| Roles and Responsibilities..... | 6 |
| Prizes, Projects and Honours..... | 7 |
| Seminars and Special Lectures..... | 8 |

STUDENTS

| | |
|---|----|
| Student Statistics..... | 10 |
| Part II Dissertation Titles..... | 11 |
| Part II Primary Sources Essay Titles..... | 12 |
| MPhil Essay and Dissertation Titles..... | 14 |
| PhD Theses..... | 17 |
| Transferable Skills..... | 19 |

THE LIBRARY

| | |
|---|----|
| Annual Report of the Whipple Library..... | 21 |
|---|----|

THE MUSEUM

| | |
|--|----|
| Annual Report of the Whipple Museum of the History of Science..... | 23 |
|--|----|

INDIVIDUALS

| | |
|--|----|
| Individual Reports of the Members of the Department..... | 29 |
|--|----|

SEMINAR PROGRAMMES 2000-01

| | |
|---------------------------|----|
| Michaelmas Term 2000..... | 65 |
| Lent Term 2001..... | 71 |
| Easter Term 2001..... | 77 |

The Department

Introduction

The academical year 2000-2001 was another bumper year for the Department of History and Philosophy of Science. Student and staff numbers have grown steadily and the Department is now bigger than ever (and desperate for additional space).

We had record numbers of HPS Part II students this year. 70 students applied for 35 places and in the end 41 students were admitted to the course. The year represented a culmination of years of study for many of the Department's PhD students with a record number of 13 PhD degrees being awarded during the course of the year. However, 14 new PhD students will be starting in 2001-2002, so PhD numbers should remain constant!

The 2001 Research Assessment Exercise concentrated our thoughts for much of the early part of the year. A submission was made at the end of March 2001 and results should be available in December 2001. Thanks to everyone who contributed to our submission. If you would like to have a look at what was sent in for assessment, a printout is available in the Office.

Congratulations to John Forrester, who was given a Personal Professorship from 1 October 2000, and also to Jim Secord and Martin Kusch, who were given Personal Readerships from October 2000.

Teaching Officer numbers continue to grow: Lauren Kassell took up a new post as University Assistant Lecturer in History of Medicine in October 2000; the Department was lucky enough to receive a new lectureship in Bioethics (the appointment to start in October 2002); Nick Hopwood and Martin Kusch were successful in obtaining research leave fellowships starting in October 2001 and Sarah Hodges and David Corfield were appointed as their temporary replacements.

In 2000-2001 a IB external examiner was appointed for the first time: our thanks to Professor David Edgerton for taking the time to chart this new territory and for doing a wonderful job.

Great things have happened in the Whipple Museum this year. As part of the government funded collections access project, new cases have been installed in the former teaching gallery, which is now known as 'discover'. The cases are stunning and congratulations to the museum team for putting in hours of dedicated work that have made such a difference. We are all looking forward to the completion of the final phase of the project, which will result in a new gallery being made of the museum store – the result being ultimate open access storage. Next time you are in the Department in the afternoon with a few minutes to spare make sure you visit 'discover'.

On a less grand note, we are pleased that the HPS kitchen has been completely refurbished at last and is very bright and sunny, with yellow tiles and a dishwasher. Thanks to Tamara for masterminding this project, alongside everything else. If you are a regular user of GITS, the Graduate IT Suite, you will notice a big difference next term as we have replaced all the old Macintosh computers with fast, robust G4s – thanks Mark!

Finally, our thanks to ALL members of the Department, whose continued effort makes HPS such a fun, lively and stimulating place to be.

Staff and Affiliates 2000-01

Administrative Staff

Ms Angela Culver
Ms Tamara Hug
Ms Dawn Moutrey
Mr David Thompson

Computing Staff

Mr Steve Ison
Mrs Mel Leggatt
Mr Mark Rogers

Cleaning Staff

Mr Brian Rowley
Mrs Tania Leeds

Library Staff

Ms Joanna Ball
Mrs Sonia Hollins
Mr John Huggett
Mrs Claire Jordan
Ms Sam Weston Smith
Dr Jill Whitelock

Museum Staff

Ms Corrina Bower
Mrs Elizabeth Hart
Mr Boris Jardine
Mr Dale Johnston
Ms Toni Parker
Ms Catriona West

Teaching Officers

Prof John Forrester
Dr Nick Hopwood
Prof Nick Jardine
Dr Lauren Kassell
Dr Martin Kusch
Prof Peter Lipton
Dr Simon Schaffer
Dr Jim Secord
Dr Liba Taub

Emeritus Staff

Dr Roger French
Prof Mary Hesse
Prof Michael Redhead

Associate Lecturer

Dr Deborah Thom

Affiliated Lecturers

Dr S de Chadarevian
Dr Patricia Fara
Dr M Frasca-Spada
Dr Richard Jennings
Dr Sachiko Kusakawa

Research Fellows

Dr Andrew Cunningham
Dr Mark Hogarth
Dr Harmke Kamminga

College Fellows

Dr Anjan Chakravartty
Ms Anandi Hattiangadi
Dr Tim Lewens
Dr Neil Manson
Dr Adam Mosley
Ms Sophie Page
Ms Katinka Ridderbos
Mr Greg Radick
Dr Richard Serjeantson
Mr Stephen Snobelen
Dr Karin Tybjerg

Affiliated Scholars

Dr Robert Anderson
Dr Debbie Banham
Dr Emm Barnes
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 Sophia Connell
Dr Harry Collins
Dr David Dewhirst
Dr Thomas Dixon
Dr Matthew Donald
Dr Aileen Fyfe
Dr Jeremy Gray
Dr Ole Grell
Dr John Henderson
Mr Peter Jones
Dr Lisbet Koerner

Prof Geoffrey Lloyd
Mr Scott Mandelbrote
Prof Stephen Mason
Dr Joan Mason
Dr James Moore
Dr Constantine Pagonis
Dr Sandu Popescu
Dr Dorothy Porter
Dr Matthew Ratcliffe
Prof Martin Rudwick
Prof Colin A. Russell
Dr Christine Salazar
Dr Max Satchell
Ms Anne Secord
Dr Otto Sibum
Dr Ilina Singh
Dr William Smeaton
Dr Richard Smith
Dr Emma Spary
Prof Paul Teller
Dr Jon Topham
Prof Gerard Turner
Dr Andrew Wear
Dr Paul White
Dr Frances Willmoth
Prof Elie Zahar

Supervisors

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

Visitors and Students 2000-01

Visiting Scholars

Dr Jon Arrizabalaga
Dr Davida Charney
Dr Dan Christensen
Dr Herman de Regt
Dr Peter Farago
Dr Alvaro Giron
Prof Paul E Griffith
Dr Anna Guagnini
Dr Sarah Jansen
Dr Maija Kallinen
Dr Pawel Kawalec
Dr Javier Moscoso
Dr Mariko Ogawa
Dr Philip Rehbock
Dr Dmitri Saprykin
Dr B Subbarayappa
Prof Paul Teller
Dr Anke to Heesen

Visiting Students

Peter Asaro
Hjalmar Fors
Karen Haugland
Lydia Jaeger
Jonas Larsson
Javier Lezaun
Havard Nilsen
Donald Opitz
Steve Ruskin

PhD Students

Charlotte Bigg
Anjan Chakravartty
Emir Chen
Rachel Cooper
Lucia Dacome
Katrina Dean
Talal Debs
Tamas Demeter
Kemal de Soysa
Jennifer Downes
Jim Endersby
Kate Fletcher
Gregory Fried
Susan Gamble
Catherina Gere

Christopher Haley
Anandi Hattiangadi
Rina Knoeff
Jeff Kochan
Gerald Kutcher
Timothy Lewens
Ilaria Lo Tufo
Helen Macdonald
Anna-Katherina Mayer
Adam Mosley
Greg Radick
Mike Rich
Eugenia Roldan-Vera
Sujit Sivasundaram
Stephen Snobelen
John Tresch
Joerg Tuske
Karin Tybjerg
Wen-Ji Wang

MPhil Students

Michael Bresalier
Vicky Carroll
Ben Cockayne
Carolyn Day
Andreas Demetriades
Christy Ferguson
Axel Gelfert
Rebecca McLeod
Michael Michael
Paul Miller
Ayesha Nathoo
Arash Pessian
Greta Petersen
Aimie Purser
Sadiya Qureshi
Rob Ralley
Torben Rees

NST Part II Students

Lucy Algeo
Nicholas Alton
Emma Bain
Parvinder Bassi
Oliver Boney
Chris Branson
Iain Carroll

Fiona Coutinho
Armand David
Tania Elias
Simon Fisherly
Sam Hart
Sharon Hart
Richard Humes
Elizabeth Jones
Nick Kennedy
Emer Larkin Crone
Vicki Leverett
Graeme Ludlow
Tom Lumbers
Anthony Molyneux
Hannah Oag
David Owen
Tom Phillips
Ben Please
Alexandra Pledge
Sarah Punshon
Benet Reid
Natalie Ryan
Arif Saad
James Southwood
Aideen Silke
Alison Spark
Clare Sproston
Mary Summers
Rachael Tait
Oliver Thomson
Mark Tregear
Thomas Walker
Karen Wood
Lucy Yates

MVST Part II Students

Iona Coltart
Mark Swindells

Comings and Goings

After working for more than two years as the Whipple Librarian, **Joanna Ball** left us in January 2001 to take up the post of Sub-Librarian at Trinity College, Cambridge.

Helen Blackman starts a Wellcome Research Fellowship with us in October 2001.

David Corfield was appointed to a Temporary Lectureship in Philosophy of Science, starting in October 2001.

Kirsty Corrigan joined us in July 2001 to continue the Library's project of cataloguing the Foster Pamphlet Collection.

Angela Culver joined the Department in September 2000, working in the office. She left in January 2001.

Elizabeth Hart became the Museum Attendant in April 2001.

Sarah Hodges was appointed to a Temporary Lectureship in History of Modern Medicine and Biology, starting in October 2001.

John Huggett joined the Library in October 2000 as RSLP Pamphlets Cataloguer for the Foster Collection. He left in June 2001 to take up a position as Retrospective Cataloguer at The London Library.

Computer Officers **Steve Ison** and **Mel Leggatt** left the Department in April 2001.

Boris Jardine joined the Museum as a Project Technician in April 2001.

Part-time Library Assistant **Clare Jordan** left in February 2001, having finished work on her special projects.

Dawn Moutrey joined us in June 2001 as the General Departmental Assistant, working in the Library, Museum and Office.

Museum Project Technician **Toni Parker** left in February 2001 to become Assistant Curator at Brighton Art Gallery and Museum.

Our new Computer Officer **Mark Rogers** joined us in May 2001, working half-time in HPS and half-time in Land Economy.

After many years of service, **Brian Rowley** retired from his part-time cleaning job in August 2001.

Jutta Schickore starts a Wellcome Research Fellowship with us in October 2001.

David Thompson joined us in December 2000 as the Department's Assistant Administrator.

Nicky Wayne started as a part-time cleaner in August 2001.

Samantha Weston Smith left in December 2000, after completing her work on the Library's HOST project, to take up a post as Senior Library Assistant at the Institute of Advanced Legal Studies.

The new Whipple Librarian **Jill Whitelock** joined us in March 2001.

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: Martin Kusch

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: Joanna Ball/Jill Whitelock

Departmental Secretary: Tamara Hug

General Board Members: Michael Akam, Ulinka Rublack

Co-options: Alex Oliver, Lauren Kassell, Neil Manson, Soraya de Chadarevian

Elected Senior Members: Marina Frasca-Spada, Nick Hopwood, Peter Jones, Scott Mandelbrote

Elected Junior Members: Helen Macdonald (Graduate); Nick Kennedy, Liz Jones and Clare Sproston (Undergraduates)

PHILOSOPHY FACULTY BOARD

HPS Representative: John Forrester

EXAMINERS

NST Part IB

Senior Examiner: Prof Nick Jardine

Examiners: Dr Nick Hopwood, Dr Lauren Kassell, Dr Martin Kusch

External Examiner: Dr David Edgerton (Imperial College, London)

NST Part II

Senior Examiner: Dr Jim Secord

Examiners: Dr John Forrester, Prof Peter Lipton, Dr Simon Schaffer

External Examiner: Dr Stephen Pumfrey (University of Lancaster)

MPhil

Senior Examiner: Dr Martin Kusch

External Examiner: Prof Geoffrey Cantor (University of Leeds)

Prizes, Projects and Honours

STUDENT PRIZES

Paul Miller and **Ayesha Nathoo** were jointly awarded the Fourth Waterman Prize for their outstanding contributions to the understanding and use of the Whipple Collection.

Victoria Carroll and **Axel Gelfert** were jointly awarded the Fourth Annual Jennifer Redhead Prize for the best performance in the MPhil essays.

Ben Please and **Sarah Punshon** were jointly awarded the 2001 Bronowski Prize for the best performance in the HPS Part II course.

NEW RESEARCH PROJECTS

Roger French was awarded £22,000 for a study leading to *New World, New Animals*, together with Miguel de Asua, from the Fundacion Antorchas, Argentina.

Cathy Gere is the named research assistant on a three year study of the impact of the new biotechnology on the constitution of collections of human biological materials, starting in October 2001, based at the King's College Cambridge Research Centre and funded with a grant from the Wellcome Trust.

Peter Jones was awarded the Reynolds Associates Research Fellowship in the History of the Health Sciences in September 2001.

James Moore has been awarded, unsolicited, a \$45,000 grant by the Andrew W. Mellon Foundation for preparation of a calendar of the correspondence of Alfred Russell Wallace at the Open University.

The following were successful in obtaining college research fellowships: **Anjan Chakravartty**, **Thomas Dixon**, **Anandi Hattiangadi**, **Tim Lewens**, **Adam Mosley**, **Sophie Page**, **Sujit Sivasundaram** and **Karin Tybjerg**.

RESEARCH LEAVE

Nick Hopwood has been granted a Wellcome research leave award to work for two years from September 2001 on 'Embryos, ancestors and the unborn: Visualizing human origins, 1790–1950'.

During the academic year 2001-2002, **Martin Kusch** will be a fellow at the *Wissenschaftskolleg zu Berlin*.

NATIONAL HONOURS

Michael Redhead was awarded a Fellowship of King's College, London (FKC) and made a Centennial Professor at LSE and Co-Director of the Centre for Philosophy of Natural and Social Science at LSE.

Seminars and Special Lectures

RAUSING LECTURE

Professor Rosalind H. Williams (Massachusetts Institute of Technology) delivered the sixth Annual Hans Rausing Lecture in the History of Technology and Industry on 22 May 2001 on the subject 'Roots and Routes: Living in a Technological World'.

SPECIAL LECTURE

Joe Cruz (Williams College) delivered a special lecture on 'The Failure of Naturalised Epistemology' on 20 November 2000.

SPECIAL SEMINAR

Professor Daniel J. Kevles (California Institute of Technology) gave a special seminar on 'Obligations, Judgment and Data: Reflections on the Science and Politics of the Baltimore Case' on 12 November 2000.

MIT WORKSHOP

The University of Cambridge/Massachusetts Institute of Technology Workshop, held on 20 and 21 May 2001, was part of a joint initiative between the History Faculty and the HPS Department in Cambridge, in collaboration with the MIT History Department and MIT Program in Science, Technology and Society. The first day focussed on the history of technological innovation, and the second day explored areas of common interest through a series of paired papers.

SEMINAR SERIES

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

Psychoanalysis and the Humanities Seminar (organised by Maud Ellmann and Mary Jacobus) ran fortnightly in Michaelmas, Lent and Easter terms.

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

History of Modern Medicine and Biology Seminar (organised by Nick Hopwood and Harmke Kamminga) was held fortnightly in Michaelmas and Lent terms.

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

Cabinet of Natural History (organised by Helen Macdonald) took place in Michaelmas, Lent and Easter Terms.

Seminars on Research Methods in History and Philosophy of the Sciences (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.

Cambridge Historiography Group (organised by Serafina Cuomo, Marina Frasca-Spada and Nick Jardine) met fortnightly in Michaelmas term.

Medieval Science and Philosophy Reading Group (organised by Sachiko Kusukawa, John Marenbon and David Chart) was held in Michaelmas, Lent and Easter terms.

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

Philosophy of Physics Reading Group (organised by Katinka Ridderbos) met fortnightly in Michaelmas and Lent terms.

Philosophy Workshop (organised by Anandi Hattiangadi and Martin Kusch) was held fortnightly in Michaelmas, Lent and Easter terms.

History of Science Workshop (organised by Jenny Downes) took place fortnightly in Lent and Easter terms.

EPACTS, the seminar for the study of Early Physics, Astronomy, Cosmology and Technology (organised by Adam Mosley and Jenny Downes) ran fortnightly in Lent and Easter terms.

Evolution Reading Group (organised by Thomas Dixon) ran fortnightly in Michaelmas, Lent and Easter terms.

Students

Student Statistics 2000-01

STUDENT NUMBERS

| | | |
|-----------------------|---------|----|
| Undergraduates | NST II | 41 |
| | MVST II | 2 |
| | NST IB | 72 |
| Graduates | MPhil | 17 |
| | PhD | 34 |

EXAMINATION RESULTS

| | | | |
|----------------|-------|----|--------|
| NST II | First | 9 | (22%) |
| | 2i | 29 | (71%) |
| | 2ii | 3 | (7%) |
| | 3 | 0 | |
| | Fail | 0 | |
| MVST II | First | 0 | |
| | 2i | 0 | |
| | 2ii | 2 | (100%) |
| | 3 | 0 | |
| | Fail | 0 | |
| NST IB | First | 16 | (23%) |
| | 2i | 26 | (36%) |
| | 2ii | 28 | (39%) |
| | 3 | 1 | (1%) |
| | Fail | 1 | (1%) |

GRADUATE DEGREES AWARDED

| | | |
|------------------------------|----|--------------------------|
| MPhil degrees awarded | 17 | |
| PhD submissions | 13 | <i>awarded: 12</i> |
| MLitt degrees awarded | 0 | <i>to be examined: 1</i> |

Part II Dissertation Titles

A history of home pregnancy diagnosis kits
Allied response to the medical experiments carried out upon Jewish victims
Alternative medicine and the West
An analysis of Asimov's 'Science of Psychohistory'
An examination of the perception of Russian science in post Second World War America
Andrei Sakharov: physics and peace
Anglo American reception of the Dachau hypothermia experiments
Aspects of Wittgenstein's private language argument
Caricatures of T.H Huxley
Chemists: a defence of chemical warfare
Childlessness in popular medical education: Joseph Dulberg's 'Sterile Marriage'
Constructing puerperal insanity
David Livingstone and the science of exploration
Displaying Listerian surgery
Does genetic modification threaten personal identity? What ethical implications does this have for the use of genetic therapy?
Doyle's 'The Lost World' and images of the contemporary man of science
Edward Jorden, Simon Forman and the invention of hysteria in 1603
Experimental approaches to the behaviour of 'individuals in a social world'
Free will and determinism in classical Islamic doctrines
How did war become more about scientists than infantry?
Incommensurability and the causal theory of reference
Induction and deduction collapsed
Investigating invisible man: early modern physiology and the works of Vesalius, Fernel, Harvey and Boyle
Mbeki and AIDS
Mutiny and Malady: cholera in British India
Northcote Thomas, government anthropologist in southern Nigeria, 1909-1915
Ralph Fowler: the teaching of Theoretical Physics in 1920s and 30s
Science education through theatre: translating scientific knowledge
Science in early nineteenth century periodicals
Searle's Chinese Room Problem
Serial section cinematography
Supertasks in physics and philosophy
The gorilla: showcase of the colonised and reflection of the colonisers
The history of syphilis in Africa
The infiltration of X-rays into medical practice
The influence of Hume on scientific thought in the 20th century
The influence of war in the development of plastic surgery
The most strange and admirable discovery of the three Witches of Warboys, the history of the family and the history of witchcraft in Elizabethan England
The provision of Western medical aid to Africa
The Young R.A Fisher, 1890-1918
Visual representation of gender, genius and madness in the Victorian Age
Who needs possible worlds
Women and medicine at Cambridge

Part II Primary Sources Essay Titles

Bostocke, ‘The Difference Between the Ancient Physic and the Modern Physic’

Astronomy, religion and alchemical medicine in Richard Bostocke’s Apology of 1585

Paracelsianism, religion and politics: Richard Bostocke’s ‘The difference between the ancient Phisicke...and the latter Phisicke’ (1585) in context

Arthur Conan Doyle, *The Lost World*

An ape or an angel? Intelligence, morality and evolution in *The Lost World*

‘An unanswerable argument.’ How is scientific proof achieved in *The Lost World*?

Chivalry and honour in *The Lost World*

Discovery, heroism and popularisation: Malone’s part in the scientific endeavour in Arthur Conan Doyle’s *The Lost World* (1912)

Does *The Lost World* present science and journalism as being fundamentally opposed?

Doyle’s use of characters to depict the scientific community and climate

Gender stereotypes naturalised in *The Lost World*

Hidden messages: evolutionary theory in *The Lost World*

How and why is *The Lost World* a comic novel?

How are sciences used to support racial hierarchies in *The Lost World*?

How does *The Lost World* show how astonishing testimony is managed in the scientific community?

‘Malone and his filthy Fleet Street crew may all be yelping our praises yet’. Is *The Lost World* focussed on a conflict between science and journalism?

Malone’s self-development through scientific exploration, occurring during the adventures of *The Lost World*

Reporting the Lost World: journalistic style and heroic individualism

Science fiction and fictionalised science

The Lost World: a novel of self-development?

The Lost World: an appeal to our intuition

The Lost World: life beyond Sherlock Holmes?

The science of deduction: ‘spontaneously occurring facts’ and problems of authority in Sherlock Holmes and *The Lost World*

What image of the ‘ideal’ scientist is portrayed by Arthur Conan Doyle in *The Lost World*?

‘Woman-as-child-as-primitive’ in *The Lost World*

Epicurus’s letter to Pythocles

Why did Epicurus write this letter to Pythocles?

Sigmund Freud, ‘A fragment of the analysis of a case of hysteria’

A fragment of failure: Freud’s hysterical analysis of Ida Bauer

A re-evaluation of ‘Fragment of an Analysis of a Case of Hysteria’ by literary analysis

Autocracy, reassurance and unconscious transformations: Freud’s rebuttal techniques in ‘Fragment of an Analysis of a Case of Hysteria’

Dora: Freud’s lifeline or pitfall? Does Freud use the case of Dora to authenticate his psychoanalytic theory, or does the case exemplify to critics the failings of the theory?

Frederick Crews recently called this paper ‘one of the worst instances on record of sexist hectoring by a reputed healer’. Is this accurate?

Freud and Dora: a struggle for power?

Freud and Dora: the problems of the psychoanalyst-patient relationship

Freud’s fragment

Freud’s use of theory and evidence in Dora’s case

If (with apologies to Mr Rudyard Kipling)

The subject-object dichotomy in Freud’s case of ‘Dora’: how does it relate to the tradition of treating hysteria and what purpose does it serve?

The theme of normality in Freud’s ‘Fragment of an Analysis of a Case of Hysteria’

David Hume, ‘Of Miracles’

‘Seeing’ reason: our belief and David Hume’s manipulation of it in ‘Of Miracles’

Describe Hume’s use of various persuasive methods to endear his point of view in ‘Of Miracles’ to the reader

Does a ‘traditional interpretation’ do justice to Hume’s arguments in ‘Of Miracles’?

Human testimony leads us to all our historical beliefs. Then why do we believe in history when we are not prepared, on the basis of testimony, to believe in miracles?

Hume, expert testimony and the sociology of science

Is Hume right when he says that testimony is epistemically subordinate to direct experience?
Is science a modern day miracle according to David Hume?
Must a miracle violate a law of nature?
The importance of Hume's 'Of Miracles' to the transformation of the sciences during the nineteenth century
The Tao of 'Of Miracles'

Plato's criticism of Protagorean Relativism

A second refutation of Protagoras: the characterisation of Sophists in the Theaetetus
Infallibilism, relativism and self-refutation in the Theaetetus
Relativism vs. infallibilism in Part I of the Theaetetus
Seeking knowledge: the implicit message of an inconclusive dialogue
Self-refutation arguments and their implications in Plato's Theaetetus
The 'List Proposal': Plato and Feyerabend in agreement

X-ray image of Mrs Rontgen's hand

'A photo of a man's hand.' How has the X-ray of Mrs Rontgen's hand been gendered?
AAC Swinton's replication of Rontgen's X-ray of the hand
Fashionable women and X-ray portraiture in The New York Times
Horror and the X-ray of Mrs Rontgen's hand
How did the X-ray photograph of Mrs Roentgen's hand become a medical image?
Identities of the first hand X-ray
Life is but a waking shadow
Mrs Roentgen's hand: an offensive image to the Victorian public?
Mrs Rontgen's hand
Mrs Rontgen's hand and the popular press
Standardising Mrs Rontgen's hand
Telling picture stories: using an image
The spectacle of death in life
The written and the visual: the relationship between words and pictures
The X-ray image of Mrs Rontgen's hand: an objective or mystical representation?
Why was it 'the hand that did it'?
X-ray image of Frau Rontgen's hand: analysis of the visual response it provoked in the artist Marcel Duchamp

Alan Turing, 'Computing machinery and intelligence'

'The search for intelligent life?' Turing's test for acculturation
How right was Turing?
How Turing missed the point about consciousness
Is Turing's imitation game a valid test for intelligence?
Rationale for redesign: the humanity of the Turing test
The nature of conversation: how the Turing test is undermined
The relative importance of deceit and subject similarity in the ability to pass the Turing Test
Turing's own learning machine would fail the Turing Test
Turing's test
Was Turing a functionalist?

Alessandro Volta, 'On Electricity'

How and why were French theories of the operation of the voltaic pile during the Napoleonic period different from
Alessandro Volta's original theory of its operation as expressed in his 1800 letter to Sir Joseph Banks?
How were the style and structure of the letter decisive factors in deciding the animal electricity controversy?
Networks of Communications

MPhil Essays and Dissertations

Michael Bresalier

Essays

Georges Canguilhem's philosophy of medicine (supervised by John Forrester)

Generations of a virus culture: the developing chick egg as an experimental system in virus research, ca 1930s-1940s (supervised by Nick Hopwood)

London's Bowel Problem: Questions of Networks and Hygiene in a Mid-Victorian Sewage System (supervised by Simon Schaffer)

Dissertation

Ecologies of Influenza: Concepts of Evolution and Emergence in Virus Research, 1940-1950 (supervised by Nick Hopwood)

Vicky Carroll

Essays

Gadamer and Meaning Finitism (supervised by Martin Kusch)

Waterton's relics: an essay on taxidermy and preservation (supervised by Nick Jardine)

Britain through the looking-glass: narrative and the exhibition of science at The Festival of Britain, 1951 (supervised by Simon Schaffer)

Dissertation

Charles Waterton: Reception, Self-fashioning, Death (supervised by Jim Secord)

Ben Cockayne

Essays

Quine's Underdetermination Thesis (supervised by Peter Lipton)

Psychologism in the Theory of Grammar (supervised by Martin Kusch)

The existence of imageless thought: an intractable controversy (supervised by Martin Kusch)

Dissertation

Problems of consciousness (supervised by Peter Lipton)

Carolyn Day

Essays

Clothing and Consumption: Early 19th Century Ideals of Feminine Beauty (supervised by Jim Secord)

Evelyn Fox Keller: the secrets of non-reductionist methodology (supervised by Martin Kusch)

Some observations on the uses of the London Bills of Mortality (supervised by Andrew Cunningham)

Dissertation

Victorian clothing and textiles (supervised by Jim Secord)

Andreas Demetriades

Essays

The Neurobiological Argument for the Basis of Consciousness: An Appraisal of Francis Crick's 'Astonishing Hypothesis' (supervised by Peter Lipton)

Enter the squid: Alan Hodgkin's introduction of a new model to British Physiology (supervised by Soraya de Chadarevian)

Head-injuries in the Hippocratic corpus (supervised by Christine Salazar)

Dissertation

The Impact of WW II on the work of Hodgkin and Huxley (supervised by Soraya de Chadarevian)

Christy Ferguson

Essays

Defending Realism against the Pessimistic Induction (supervised by Peter Lipton)

I am cyborg, hear me roar! Donna Haraway's sci-fi feminism (supervised by Martin Kusch)

RU-486 and the de-medicalisation of abortion in the United States in the early 1990s (supervised by Nick Hopwood)

Dissertation

The Abortion Pill (supervised by Nick Hopwood)

Axel Gelfert

Essays

Quantum theory of condensed matter and the invention of the transistor (supervised by Simon Schaffer)

Bayesianism and the Epistemology of testimony (supervised by Martin Kusch)

What is it like to Spray a particle? (supervised by Peter Lipton)

Dissertation

Testimony in the Sciences (supervised by Martin Kusch)

Rebecca McLeod

Essays

Women are sick and men write their bodies.... (supervised by John Forrester)

Anatomical sheets and the reformation: the work of Gilles Godet (supervised by Lauren Kassell)

Rules versus exemplars in the philosophy of science (supervised by Peter Lipton)

Dissertation

Anatomical illustrations in early modern England (supervised by Lauren Kassell)

Michael Michael

Essays

Towards a new theory of logical truth: explaining the intuition (supervised by Peter Lipton)

Maclaurin's treatise of fluxions (supervised by Simon Schaffer)

Fodor on concepts and the ontology of doorknobs (supervised by Martin Kusch)

Dissertation

Clifford's mathematics (supervised by Simon Schaffer)

Paul Miller

Essays

Enframing and 'the Saving': A Critique of Latour's Reading of Heidegger on Technology (supervised by Martin Kusch)

Equipose and the ethics of randomised clinical trials (supervised by Peter Lipton)

Sounding the depths: trials and tribulations in the development of sounding machines (supervised by Liba Taub)

Dissertation

Philosophical Problems in Evaluating Research Risks (supervised by Peter Lipton)

Ayesha Nathoo

Essays

Phrenology goes bust! The material culture of a nineteenth century popular science (supervised by Jim Secord)

Critiques of attention deficit/hyperactivity disorder and Ritalin medication: boys' problems and problem boys (supervised by Ilina Singh)

Milgram's Obedience Experiments: a case study of the disputability of experiments in the Social Sciences (supervised by Martin Kusch)

Dissertation

Pain and Sickle-cell Anaemia (supervised by Nick Hopwood)

Arash Pessian

Essays

Time travel and necessity (supervised by Mark Hogarth)

Incommensurability and the causal theory of reference (supervised by Richard Smith)

The Zeiss System (1865-1875): individuality and multidirectionality (supervised by Simon Schaffer)

Dissertation

Contrastive explanation (supervised by Peter Lipton)

Greta Petersen

Essays

Georg Buechner's 'Lenz' and Naturphilosophie (supervised by Nick Jardine)

Sociology of knowledge in Max Scheler's *Der Genius des Kreiges und der Deutsche Krieg* (supervised by Martin Kusch)

The literary culture of microscope manuals in mid-nineteenth-century Germany: audience, organisation and authorial strategies (supervised by Nick Hopwood)

Dissertation

Natural history and collecting in Stifter's *Nachsommer* (supervised by Nick Jardine)

Aimie Purser

Essays

Latour's Metaphysics (supervised by Martin Kusch)

Images of Nietzschean strength associated with tuberculosis (supervised by Nick Jardine)

Renaissance Images of Pain (supervised by Lauren Kassell)

Dissertation

Somatic Symbolisation: Illness as Metaphor and Psychosomatic Theories of Conversion (supervised by John Forrester)

Sadiya Qureshi

Essays

The Belfast Address: its polemical nature and vision of materialism (supervised by Nick Jardine)

Tipu's Tiger (supervised by Jim Secord)

Is Evolutionary Psychology anything to worry about? (supervised by Tim Lewens)

Dissertation

The Hottentot Venus (supervised by Jim Secord)

Rob Ralley

Essays

Wills and contradictories: Scotus, Ockham and a theory of contingency (supervised by Marenbon)

'The infallible demonstration of Mechanics': Henry Power and his Experimental Philosophy (supervised by Andrew Cunningham)

The 'Petition of the Physicians' of 1421: university politics and the legitimisation of medical knowledge in fifteenth century England (supervised by Lauren Kassell)

Dissertation

The Conjoint College of Physicians and Surgeons (1423-24) (supervised by Lauren Kassell)

Torben Rees

Essays

The meaning of logic (supervised by Peter Lipton)

Maybe not quite so naïve realism (supervised by Martin Kusch)

Whatever happened to the ether?: Einstein and National Socialism (supervised by Mark Hogarth)

Dissertation

Chalmers on Consciousness (supervised by Martin Kusch)

PhD Theses

AWARDED

Henry Atmore

The great Victorian way: materiality and memory in mid-nineteenth century technological culture (supervised by Jim Secord)

Anjan Chakravartty

Semirealism: the metaphysical foundations for scientific realism (supervised by Peter Lipton)

Lucia Dacome

Policing bodies and balancing minds: self and representation in eighteenth century Britain (supervised by Marina Frasca Spada)

Talal Debs

Representation and symmetry: an analysis of the tension between objectivity and conventionality in modern physics (supervised by Michael Redhead)

Aileen Fyfe

Industrialised conversion: the Religious Tract Society and popular science publishing in Victorian Britain (supervised by Jim Secord)

Tim Lewens

Organisms and artefacts – design in nature and elsewhere (supervised by Nick Jardine)

Ilaria Lo Tufo

Retif de la Bretonne's *La Découverte Australe* and the global reshaping of society (supervised by Nick Jardine)

Adam Mosley

Bearing the heavens: astronomers, instruments and the communication of astronomy in early-modern Europe (supervised by Liba Taub and Nick Jardine)

Greg Radick

Animal language in the Victorian evolutionary debates (supervised by Simon Schaffer)

Eugenia Roldàn-Vera

Book export and the transmission of knowledge from Britain to early-independent Spanish America (supervised by Nick Jardine)

Stephen Snobelen

William Whiston: natural philosopher, prophet, primitive Christian (supervised by Simon Schaffer)

Karin Tybjerg

Doing philosophy with machines: Hero of Alexandria's rhetoric of mechanics in relation to the contemporary philosophy (supervised by Geoffrey Lloyd)

SUBMITTED

John Tresch

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

TO BE SUBMITTED BY OCTOBER 2001

Charlotte Bigg

Spectroscopy in Europe 1880-1925 (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 radiation experiments: a case of contested conduct (supervised by Simon Schaffer)

Sujit Sivasundaram

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

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 has, in consultation with Colleges, identified the ways in which *undergraduates* can acquire and develop certain skills and attributes throughout their University career. These skills, as well as enhancing academic performance, can be used beyond University, and are sought after by employers. Students should be 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)

| <i>University</i> | <i>College</i> |
|---|---|
| <ul style="list-style-type: none"> • Lectures • Seminars • Discussion groups and classes • Examinations | <ul style="list-style-type: none"> • 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)

| <i>University</i> | <i>College</i> |
|--|---|
| <ul style="list-style-type: none"> • Written Dissertation Essays Extended essays on primary sources • Oral Presentations at seminars, study groups and classes Debating Chairing of research seminar meetings (post-grads) • Non-verbal Use of visual material Setting up of case-studies of objects in the Whipple Museum | <ul style="list-style-type: none"> • 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

| <i>University</i> | <i>College</i> |
|---|--|
| <ul style="list-style-type: none"> • Balancing workload and extracurricular activities, meeting deadlines | |
| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Organisation of events (entertainment, lectures, society events) • Managing workload for exams and for coursework |

INTERPERSONAL SKILLS

| <i>University</i> | <i>College</i> |
|--|---|
| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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

| <i>University</i> | <i>College</i> |
|--|--|
| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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

| <i>University</i> | <i>College</i> |
|---|---|
| <ul style="list-style-type: none"> • Use of CD-ROM, on-line resources and databases in the Library and in the Museum • Use of Departmental computer facilities for use of WWW and email <p>University Computing Service courses, leaflets, publications Occasional University Library classes on use of on-line databases</p> | <ul style="list-style-type: none"> • Use of College computing facilities |

FOREIGN LANGUAGE SKILLS

| <i>University</i> | <i>College</i> |
|---|---|
| <ul style="list-style-type: none"> • Ancient Greek and Latin classes for non-classicists • German classes from the Pressland Fund for Nat.Sci.s • Translation for coursework <p>Language Centre, Diploma/Certificate in Modern Languages</p> | <ul style="list-style-type: none"> • Language clubs/societies • Conversation exchange |

The Library

Annual Report of the Whipple Library

INTRODUCTION

2000-2001 has been a particularly eventful year for the Whipple Library.

There have been several changes in staff during this time. Joanna Ball, Whipple Librarian since 1998, left the Library at the end of January 2001 to take up the position of Sub-Librarian at Trinity College. She was replaced by Jill Whitelock, formerly Information Resources Advisor at the Forvie Research Library in Cambridge.

Samantha Weston-Smith completed her work as HOST Project Officer in December and moved on to a position as Senior Library Assistant at the Institute of Advanced Legal Studies. John Huggett joined the Library in October as RSLP Pamphlets Cataloguer for the Foster Collection, and completed over half of the project (2,917 records) before leaving in June 2001 to take up a position as Retrospective Cataloguer at The London Library. He was replaced by Kirsty Corrigan, formerly Library Assistant at Tyndale House in Cambridge. Clare Jordan, part-time Library Assistant since January 2000, left the Library in February 2001, having finished work on her special projects.

The number of readers has increased yet again during this period, with a total of over 700 users registered compared with 650 in 1999-2000, and 25,500 items loaned compared with 17,000 last year.

NEW ACQUISITIONS

The Whipple has benefited from the support offered by Cambridge University Press to all College and University libraries, in the form of an account credited with £1,899.00 for the purchase of Press titles. This arrangement, which will continue for the next two years, is an important and greatly appreciated contribution to the book fund, and has allowed the Library to expand its holdings significantly.

The Library has received several donations throughout the year and is grateful for all these gifts, including several books on the history of science transferred from Girton College Library, which fill gaps in the collection from the first half of the last century.

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

Valmont-Bomare, J.C. *Dictionnaire raisonné universel d'histoire naturelle*. Paris, 1765.

Grimes, J.S. *Phreno-geology: the progressive creation of man, indicated by natural history*.

London, 1851 *Bound with* *Compend of the phreno-philosophy of human nature*. Boston;

London, 1850.

Wood, T. *The Rev. J.G. Wood: his life and work*. London, 1890.

RARE BOOK COLLECTION

Following on from the HEFCE Non-formula funding project to provide full cataloguing records for the Whipple collection, Silvia De Renzi's exhibition *Instruments in Print: Books from the Whipple Collection* opened in the Whipple Museum in November 2000 and ran till the June of the following year. A catalogue accompanying the exhibition was also published, and the Library receives regular orders for this from booksellers in the UK and abroad.

Work on 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. Over 2000 full catalogue records were created by Sam Weston-Smith, and 150 items have been conserved. The programme's aim is to increase access by researchers to printed and archival resources relating to the history of nineteenth-century science and technology from 1801-1914, and the Whipple Library remains actively involved in the project as it enters the dissemination phase, through attendance at Partner's Meetings and collaboration in the creation of Web pages for the project.

The RSLP Pamphlets Project has passed the half way mark, with over 2,900 records completed of a total of 5,117. As well as being added to the Union Catalogue, these records are also loaded on the CURL public access catalogue on the Web (COPAC, <http://www.copac.ac.uk>), making the collection widely accessible to the academic community, and use of the pamphlets has greatly increased since the project began.

ELECTRONIC DEVELOPMENTS

Our Web pages continue to be redesigned and upgraded, with an additional page for Current Awareness including information on receiving contents pages by email, as well as the Library's monthly accessions list and details of journals received.

SPECIAL PROJECTS

Sonia Hollins has produced a number of user guides to finding information in the library, to citations and bibliographies, and to the Library's electronic resources. Copies are available in the Library services area to take away, or may be consulted on the Library's Web pages.

The signage in the library has been improved with additional bay-end signs listing the subjects for each letter, making browsing of the collection easier.

Work has also begun to catalogue all of the Department's PhD theses located in the Librarian's Office. Currently, there is only an alphabetical list of these available, but with online catalogue records with subject-headings, the collection will be properly indexed and fully accessible for research.

The Museum

Annual Report of the Whipple Museum of the History of Science

We have enjoyed yet another busy year within the Museum. Our largest project by far is the Collections Access Project now entering its third and final year. We are grateful for funding for the Collections Access Project by the Designation Challenge Fund, administered by *re:source* (the Council for Museums, Archives and Libraries), on behalf of the Department for Culture, Media and Sport.

This additional funding has resulted in several new staff joining the Whipple Museum. Corrina Bower continues as the Project Assistant. Toni Parker (Project Technician) left in February to become Assistant Curator at Brighton Art Gallery and Museum, and Boris Jardine and Lisa Newble now share the post of Project Technician (which has since become full time through additional funding). Sally Austin is employed to develop further interpretative materials for the *discover* gallery.

In addition, during the summer vacation the Museum was pleased to be able to employ Nicky Reeves (HPS Part II student) to undertake preparation for an exhibition to be opened Michaelmas 2002. The exhibition entitled 'Representations of the Double Helix' is curated by Dr Soraya de Chadarevian with Dr Harmke Kamminga, and is an expanded version of that presented in 1995 at the Clinical School, Addenbrookes. The exhibition receives support from MRC Laboratory of Molecular Biology.

During the past year the museum has been grateful to the many students and temporary workers who have undertaken the role of Museum attendant; Toni Parker, Kemal de Soysa, Jenny Downes, Pru Allgood and Erin Coyle. We are delighted to welcome our new museum attendant, Elizabeth Hart. Elizabeth is a hit with the visitors as she can be seen encouraging them to explore the collection and ask questions.

The Museum is also proud to be able to provide work experience, for several student placements:

Daniel Peacock, Cottenham Village College
Chris Camps, Linton Village College
David Jordan, Manor Village College

These students were able to undertake a varied and interesting work placement learning new skills including the photography of artefacts, handling of objects and writing of condition reports. By providing this work experience, the Whipple is able to offer a special museum training experience to young people in the community, whilst gaining from their interest and enthusiasm.

The Museum has been able to offer summer placements for Chris Camps and Daniel Peacock to work on the Collections Access Project.

TEACHING AND EXHIBITIONS

Instruments in Print

Opened November 2000. The Whipple Library and Museum jointly produced this exhibition organised by Dr Silvia De Renzi. *Instruments in Print* presents books on scientific instruments published between 1600 and 1950 collected by our founder, Robert S. Whipple, during the first half

of the last century. (This collection was donated to the University of Cambridge in 1944.) The exhibition explores issues related to the production and use of the wide range of books which have accompanied instruments since the introduction of print. The variety of original audiences for these books are highlighted, as are examples of the diverse uses to which they could be put, including teaching, providing recreation, and helping practitioners as varied as carpenters, astronomers and sailors. The exhibition includes a section on books from the 'reference shelf' in Mr Whipple's library, that is, books that Whipple used as he became a collector. Most of these volumes were written by fellow collectors, dealers in antique instruments and rare books of science, or people otherwise involved in the conservation of 'scientific relics'.

discover

discover was opened by the Vice Chancellor, Professor Sir Alec Broers on Thursday 21 June, with a speech by Dr David Dewhirst of the Institute of Astronomy (Dr Dewhirst has been involved with the Whipple Museum since his student days in the 1950's).

The Whipple Museum of the History of Science celebrated the completion of the first stage of its three-year Collections Access Project, with the opening of a new gallery, called *discover*. *discover* showcases the breadth and the depth of the Whipple's holdings with object-rich displays and the use of special cases with drawers. *discover* facilitates access to a significantly larger percentage of the collection than would typically be displayed in most museums. The proportion of the collections on display within this new gallery has risen from 3% to 8.3%!

In 1997, the collections of the Whipple Museum were designated as pre-eminent by the Department of Culture, Media and Sport (DCMS). The Whipple Museum has been able to install *discover* with special funding from the Designation Challenge Fund, administered by *re:source* (the Council for Museums, Archives and Libraries), on behalf of the Department of Culture, Media and Sport.

A new visitor-friendly database has also been designed and installed. The significantly improved access to objects and documentation is enhancing visitor enjoyment and involvement, as well as opening new learning opportunities. This innovative approach is particularly appropriate within the university setting, because the Whipple Museum plays an important role in the teaching and research of the Department of History and Philosophy of Science.

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 Curator offers lecture-demonstration classes on instruments, models and collections for Papers 1, 2 and 3. With Dr Taub's enthusiasm and encouragement 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; work undertaken during academic year 2000-2001 is listed below:

MPhil Essays

Paul Miller, (Darwin) 'Sounding the depths: trails and tribulations in the development of the sounding machine'

Ayesha Nathoo, (New Hall) 'Phrenology goes bust! The Material Culture of a nineteenth century popular science'

OUTREACH

Dale Johnston is 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 organises '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.

During 2000-2001, The Whipple Museum participated in 'Cambridge Discovery' with two special open evenings. On February 8th visitors were offered the opportunity to explore and comment upon our new gallery *discover* whilst it was being installed. On May 15th visitors were treated to presentations from two MPhil students of the Department. Ayesha Nathoo spoke about the phrenological heads of the Museum's collection whilst Paul Miller spoke on the Massey Depth Sounder.

National Science Week

Once again, the Whipple contributed to the University's participation in National Science Week by hosting special openings on both Saturdays. Toni Parker, with assistance from Corrina Bower and Catriona West, developed 'Eye Spy' trails for our younger visitors adopting the 'Codes and Puzzles' theme of the University for National Science Week.

In addition the Museum has developed a photographic trail (an idea from our own Head of Department, Professor Peter Lipton and his sons Jacob and Jonah). Visitors are presented with visual 'details' and challenged to locate the object within the gallery displays.

These trails have become very popular especially with younger visitors (as comments in the Visitor books attest).

DONATIONS

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

Trevor Philip & Sons has set up an annual 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. This year there were two deserving students, Ayesha Nathoo and Paul Miller; Trevor Phillip generously doubled the prize.

The Worshipful Company of Instrument Makers continue to generously provide funds to enable students to travel to see instruments pertinent to their research.

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

Another anonymous donor once again generously supported 'behind the scenes' work undertaken by a student, during the summer vacation.

GRANTS AWARDED

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 has been 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.

During this period Museum staff have been invited to present two seminar papers to Designation Challenge Fund workshops. Catriona West and Paul Webb presented a paper on the development of the Museum's computerised database for public use. Catriona West and Dale Johnston (Outreach Officer) presented a paper on the application and benefits of undertaking evaluation studies of visitor spaces.

Year Two of the Collections Access Project

April 2000 to March 2001

Year Two of our project saw the completion of *discover*.

During the Winter vacation period, work was carried out in the reserve store area, beginning its transformation into the 'Study Gallery'. This work included the laying of a new floor, the introduction of security features to windows and doors, as well as the provision of ethernet/internet capabilities.

In addition objects on display in *discover* continued to be photographed (for inclusion on the public database) and have condition reports written.

Year Three of the Collections Access Project

April 2001 to March 2002

Having officially opened *discover* on 21 June, we are now concentrating on the completion of the new Study Gallery. Museum staff have recently finished the reorganisation of a sub-store within the Museum reserve stores, in order to facilitate access to the newly created Study Gallery. Six hundred and seventy (670) objects, including many large pieces such as transmitters and tripods, are now stored on purpose built shelving rather than within old laboratory cupboards.

The arrival of the new display cases is planned for mid August 2001, when installation of the artefacts will proceed. In the interim period Museum staff will continue to prepare objects for display by carrying out photography, condition reports and basic remedial conservation.

In addition the Museum will undertake a summative evaluation study of *discover* during the summer vacation period. A small team to be supervised by the Project Assistant Corrina Bower will carry out tracking studies and exit interviews of the new gallery *discover*.

Sally Austin, an education specialist, has joined us to spearhead the research and writing of interpretative materials for *discover* and the Study Gallery. Lisa Newble, a recent Cambridge (Archaeology & Anthropology) graduate interested in museum work, will develop database catalogue records for objects on display in the galleries. Boris Jardine, who recently completed an A-level in photography, will target photography of those objects to be displayed in the Study Gallery (for inclusion in the database), as well as additional images for use in the interpretative

materials. Two local students, Christopher Camps and Daniel Peacock, who have both previously done work-experience stints at the Whipple, will work during the summer months as general project technicians, helping in a variety of ways.

Corrina Bower continues as the Project Assistant, with Catriona West as the Project Manager and Dr Liba Taub as Project Director. Toni Parker, Project Assistant, left us in February 2001 to join Brighton Museum and Art Gallery as Assistant Curator (Maternity Leave).

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.

- Archaeological Institute and Jesus College
October 2001 to March 2002
 - HC3 Metronome, Key switch and battery cell
 - HC6 Hydrometer and weights
 - HC15 Helmholtz resonators and Siren
 - HC18 "The Box of Stars"
 - HC21 2 boxes of weights
 - HC28 Chemistry model building kit
 - HC29 Boxed set of drawing instruments
 - HC31 Balance
 - HC39 Anatomical model of an ear

- Archaeology and Anthropology Museum, 'Collected Sights'.
March 2001 to February 2003
 - 0653 Slides for stereoscopic viewer
 - 2036 Magic lantern projector
 - 2174 Survey camera and plates
 - 2689 Tailboard camera
 - 3979 callipers for anthropomorphic measurements
 - 3996 Stereoscopic viewer
 - T119 Newman and Guardia Camera

- British Museum, 'Korean Gallery'.
October 2000 to May 2001, extension of loan granted until November 2001
 - 0935 Korean Astronomical Screen

- Science Museum, Nuclear Physics Gallery.
Long term loan
 - 3370 Dees from a cyclotron

RECENT ACQUISITIONS: OCTOBER 2000 TO SEPTEMBER 2001

| | | | |
|------|--|------|--|
| 5789 | Universal sun dial | 5812 | Musser copernican planetarium |
| 5790 | The 'dragoyle' air tester | 5813 | Electro-galvanomic machine |
| 5791 | Gyroscope | 5814 | Barometer |
| 5792 | Geological samples | 5815 | Atomic models |
| 5793 | Microscopic preparations | 5816 | Philosophical toy |
| 5794 | Model of the crystal structure of beta manganese | 5817 | Slide box |
| 5795 | Mathematical model | 5819 | Cylindrical periodic table |
| 5796 | Astronomical diagrams | 5820 | Atlas etudes geographiques |
| 5797 | Anatomical model of a foetus | 5821 | Mechanical calculator |
| 5798 | Atlas des champignons; mushroom atlas | 5822 | Slide rule |
| 5799 | Tray of shells | 5823 | Magnetic entertainment's toy |
| 580 | Anatomical model of a human ear | 5824 | Demonstration mirror |
| 5800 | Sinclair ZX spectrum computer | 5825 | Anatomical model of a human eye |
| 5801 | Cylindrical position line slide rule | 5826 | Botanical models of pathological fungi |
| 5802 | Geological exploration set | 5827 | Print 'A Chymist' |
| 5803 | Compendium | 5828 | Print 'A Geometrician' |
| 5804 | Anatomical model of the human brain | 5829 | Atlas of Astronomy |
| 5806 | Natural history displays | 5830 | Pocket electronic calculator by Casio |
| 5807 | Etching; plate from a book | 5831 | Quadrant (paper) |
| 5808 | Student microscope | 5832 | Children's educational orrery |
| 5809 | P8 aperiodic magnetic compass | 5833 | Assay balance |
| 5810 | Astronomical model | 5834 | Ivory dial |
| 5811 | Astronomical model | 5835 | Ivory dial |
| | | 5836 | Microscope |

Individuals

Individual Reports of the Members of the Department

DEBBY BANHAM

Dr Banham has almost completed the survey she has been conducting of medieval medical and scientific manuscripts for the Wellcome Trust-funded electronic Thorndike and Kibre project (eTK), based in the Department and directed by Peter Murray Jones of King's College. They hope to complete the work in the coming academic year.

Publications

Articles in journals

Banham, D.A.R. et al. 'Bibliography for 1999', *Anglo-Saxon England* 29 (2000), 297-358

Reviews

Banham, D.A.R. Review of H. Magennis, *Anglo-Saxon Appetites: Food and Drink and their Consumption in Old English and Related Literature* in *English Historical Review* 115.463 (2000), 922-923

In Press

Articles in books

Banham, D.A.R. (2001) 'Investigating the Anglo-Saxon materia medica: Latin, Old English and archaeobotany' in Robert Arnott (ed.) *The Archaeology of Medicine*, Routledge

Banham, D.A.R. (2001) 'Be hlafum and wurtum: 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

August 2001

Banham, D.A.R. 'Scandinavian influence on Anglo-Saxon agriculture?', International Society of Anglo-Saxonists, University of Helsinki

ANDREW BARRY

Publications

Books

Barry, A. (2001) *Political Machines: Governing a Technological Society*, London & New York: Athlone

Articles in books

Barry, A. (2001) 'Interaktivitet: Konsumenter, borgere og kultur' in K. Asdal, B. Brenna & I. Moser (eds.) *Teknovitenskapelige Kulterer*, Oslo: Spartacus, 273-292

Articles in journals

Barry, A. 'Invention and Anti-Invention' *Cambridge Anthropology*, 21, 3, 1999/2000, 62-70

Reviews

Barry, A. Review of P Wright, *Tank* in *Times Higher Education Supplement*, 27th April 2001

Conference papers

December 2000

'The Anti-Political Economy', workshop on the Technological Economy' organised by the Department of Sociology, Goldsmiths College and *Economy and Society*

March 2001

'Hegemonies and Politics', workshop on 'Hegemonies' organised by the Centre for Science Studies, Lancaster University and the Centre for Technology, Innovation and Culture, Oslo University at Lancaster University

JEREMY BUTTERFIELD

Dr Butterfield is one of two directors of the NATO-funded conference 'Bell's Theorems, Probability and Modality', that occurred in August 2001, at the University of Cracow, Poland.

Publications

Articles in books

Butterfield, J. and Isham, C. (2001) [JNB first author], 'Spacetime and the Philosophical Challenge of Quantum Gravity' in C. Callender and N. Huggett (ed.) *Physics Meets Philosophy at the Planck Scale*, Cambridge University Press, 33-89; available at LANL archive: gr-qc/9903072

Articles in journals

Butterfield, J. and Isham, C. (2001) [JNB second author], 'Some Possible Roles for Topos Theory in Quantum Theory and Quantum Gravity' in *Foundations of Physics*, No 30, 2000, 1707-1735; available at LANL archive: gr-qc/9910005.

Reviews

Butterfield, J. Review of D. Dieks and P. Vermaas (ed.) *The Modal Interpretation of Quantum Mechanics*, in *Metascience* No. 9 (2000) 489-494

Butterfield, J. Review of Y. Guttman, *The Concept of Probability in Statistical mechanics*, in *Mind* No. 109 (2000) 923-926

Butterfield, J. Review of H. Kragh, *Quantum Generations*, in *Nuncius*, No 15 (2000), 784-787

Butterfield, J. Review of W. Dickson, *Quantum Chance and Nonlocality*, in *Philosophy of Science* No. 68, (2001) 263-266

Butterfield, J. Review of J.Barrett, *The Quantum Mechanics of Minds and Worlds*, *European Journal of Philosophy* 9, 2001, 230-233

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

Butterfield, J. 'Some Worlds of Quantum Theory', R.Russell et al (eds.), *Quantum Physics and Divine Action*, Vatican Observatory Publications; available at: quant-ph/0105052; PITT-PHIL-SCI00000204

Articles in journals

Butterfield, J. 'The End of Time?' forthcoming in *British Journal for the Philosophy of Science* (a research article that is ostensibly a review of J. Barbour, *The End of Time*); available at: gr-qc/0103055; PITT-PHIL-SCI00000104

Reviews

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

Lectures and Conferences

October 2000

Butterfield, J. 'Selecting a Model: In praise of Akaike', invited lecture at DHS-DLMPS Joint Conference 'Scientific Models', University of Zurich, Switzerland

April 2001

Butterfield, J. 'Sieve-Valued Valuations in Quantum Theory', invited lecture at International Quantum Structures Association conference, Cesenatico, Italy

Butterfield, J. 'A Topos Perspective on Quantum Theory', invited lecture at HPS Department, University of Pittsburgh.

June 2001

Butterfield, J. 'The Hole Argument and Gauges', invited lecture at conference 'General Covariance and the Quantum', University of Pavia, Italy

September 2001

Butterfield, J. 'Sieve-Valued and Interval-Valued Valuations in Quantum Theory', contributed lecture at Xth annual UK Foundations of Physics conference, Queen's University, Belfast, UK

SORAYA DE CHADAREVIAN

Publications

Articles in books

de Chadarevian, S. (2001) 'DNA' and 'Molecular Biology' in A. Hessenbruch (ed.) *Reader's Guide to the History of Science*, Fitzroy Dearborn

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 [publication delayed]

Reviews

de Chadarevian, S. Review of N. Rasmussen, *Picture Control: The Electron Microscope and the Transformation of Biology in America, 1940-1960* in *Isis* 91 (2000), 400-401.

In Press

Books

de Chadarevian, S. *Designs for Life. Molecular Biology after World War II*, Cambridge University Press, (Autumn 2001)

de Chadarevian, S. and Hopwood, N. (eds.) *Displaying the Third Dimension: Models in the Sciences, Technology and Medicine*, Stanford University Press (accepted for publication)

Guest-edited issues

de Chadarevian, S. and Strasser, B. (eds.) *Molecular Biology in Postwar Europe* Special issue, *Studies in History and Philosophy of Biological and Biomedical Sciences* (June 2002)

Articles in books

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

Hopwood, N. and de Chadarevian, S. 'Dimensions of modelling' in S. de Chadarevian and N. Hopwood (eds.)

Displaying the Third Dimension: Models in Science, Technology and Medicine, Stanford University Press

de Chadarevian, S. 'John Cowdery Kendrew (1917-1997)', *New Dictionary of National Biography*, Oxford University Press

Articles in journals

de Chadarevian, S. 'Reconstructing life. Molecular biology in postwar Britain', *Studies in History and Philosophy of Biological and Biomedical Sciences* (June 2001)

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*

de Chadarevian, S. Review of W. Summers, *Félix d'Herelle and the Origins of Molecular Biology* in *Social History of Medicine*

Lectures and Conferences

September 2001

de Chadarevian, S. 'Bild einer Entdeckung. Watson, Crick und die Doppelhelix' [Portrait of a discovery. Watson, Crick and the double helix], Annual meeting of the German Society for the History of Science, Technology and Medicine, Hamburg

April 2001

de Chadarevian, S. 'Reconstructing life. Molecular biology in postwar Britain', Seminar Royal Institution, London

March 2001

de Chadarevian, S. 'Mapping the worm's genome. Tools, networks, patronage', Workshop *The Mapping Cultures of 20th Century Genetics*, Max-Planck Institut für Wissenschaftsgeschichte, Berlin

February 2001

de Chadarevian, S. 'A brief history of the LMB', LMB post-graduate lectures series, Cambridge

ANJAN CHAKRAVARTTY

Publications

Articles in journals

Chakravartty, A. 'The Semantic or Model-Theoretic View of Theories and Scientific Realism', *Synthese*, No. 3 (2001), 127: 325-345

In Press

Reviews

Chakravartty, A. Review of E. Agazzi & 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 C. Norris, *Quantum Theory and the Flight From Realism: Philosophical Responses to Quantum Mechanics* in *Metascience*

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

Lectures and Conferences

January 2001

Chakravartty, A. 'The Concept of Structure in Scientific Realism', Annual Conference of the Philosophical Society of Southern Africa, Durban

Chakravartty, A. 'Kinds and Realisms', Department of History and Philosophy of Science, University of Cambridge

November 2000

Chakravartty, A. 'What Structural Realism Can and Cannot Be', Moral Sciences Club, University of Cambridge

Chakravartty, A. 'Causal Properties, Dispositions, and Ontic Structuralism', Annual Conference of the Graduate Centre, City University of New York

DAVID CHART

Publications

Books

Chart, D. (2000) *A Theory of Understanding: Philosophical and Psychological Perspectives*, Ashgate Publishing

Reviews

Chart, D. Review of N. Maxwell *The Comprehensibility of the Universe: A New Conception of Science* in *Philosophical Books* No. 41 (2000), 283–285

Chart, D. Review of S. Fuller *Thomas Kuhn: A Philosophical History for our Times* in *Science and Public Policy* No. 27 (2000), 461–462

In Press

Reviews

Chart, D. Review of J. H. Fetzer (ed.) *Science, Explanation, and Rationality: The Philosophy of Carl G. Hempel* in *The British Journal for the History of Science*

Lectures and Conferences

December 2000

Chart, D. ‘Technological Progress and Technological Revolution’, Centre for Philosophical Studies, University of London

SOPHIA CONNELL

Publications

Articles in journals

Connell, S.M. ‘Aristotle and Galen on sex difference and reproduction: a new approach to an ancient rivalry’, *Studies in the History and Philosophy of Science*, Vol. 31, No. 3 (2000), 405-427

Reviews

Connell, S.M. Review of W. Kullman and S. Follinger, *Aristotelische Biologie: Intentionen, Methoden, Ergebnisse* in *Journal of Hellenic Studies*, 2000

In Press

Articles in journals

Connell, S.M. ‘Towards an Integrated Approach to Aristotle as a Biological Philosopher’, *Review of Metaphysics*

Reviews

Connell, S.M. Review of J. Lennox, *Aristotle’s Philosophy of Biology* in *British Journal for the Philosophy of Science*

Lectures and Conferences

September 2000

Connell, S.M. ‘Feminism and Evolutionary Psychology’, European Feminist Research Conference, Biblioteca del Centro di Documentazione delle Donne, Bologna

November 2000

Connell, S.M. ‘Gender and Evolutionary Psychology’, Fifth Symposium on Gender Research, Christian-Albrechts Universitaet zu Kiel

KATRINA DEAN

During 2001, Katrina Dean has been researching histories of Australian physics at archives and libraries around Australia, with the assistance of a Fellowship from the Australian Federation of University Women. She would also like to thank the Holland Rose Fund for a research grant and Professor Rod Home and Dr David Miller for supervision while working away from Cambridge.

Lectures and Conferences

December 2000

Poster at British Society for the History of Science Postgraduate Conference, Leeds University

March 2001

Dean, K. 'Colonizing the Cavendish,' University of Melbourne History and Philosophy of Science and Social Theory Postgraduate Conference, Mount Macedon, Australia

TAMAS DEMETER

During the past year Tamas Demeter's research was supported by an External Research Studentship from Trinity College, Cambridge. He also received a Hungarian State Eotvos Scholarship, and a joint grant from the Hungarian Academy and the British Academy. He was awarded the 2000 Academy Junior Award at the Hungarian Academy of Sciences.

Publications

Books

Demeter, T. (2001), Jozsef Balogh, *Voces Paginarum*, Budapest: Kave (edited with an introduction)

Articles in journals

Demeter, T. 'Meaning and Cartesian Thoughts', *Wittgenstein-Jahrbuch*, 2000, 49-62

Reviews

Demeter, T. Review of Frank Jackson, *From Metaphysics to Ethics* in *Philosophischer Literaturanzeiger* 54 (2001), 175-177

Demeter, T. Review of Stephen Mumford, *Dispositions* in *Philosophischer Literaturanzeiger* 54 (2001), 186-187

Demeter, T. Review of Beth Savickey, *Wittgenstein's Art of Investigation* in *Wittgenstein-Jahrbuch* 2000, 155-159

THOMAS DIXON

Dr Dixon took up a three-year British Academy Postdoctoral Fellowship (held in the Faculty of Divinity) in October 2000, in conjunction with a three-year non-stipendiary Junior Research Fellowship at Churchill College. He continues to organise the HPS Evolution Reading Group.

Publications

Reviews

Dixon, T. Review of A. Ford, *Faith and Science* in *Epworth Review* 27.3 (2000), 110-111

Dixon, T. Review of P. Luscombe, *Groundwork of Science and Religion* in *Expository Times* (2000), p. 106

In Press

Books

Dixon, T. (ed.) (2001) *The Life and Collected Works of Thomas Brown (1778-1820)*, Thoemmes Press, 8 vols

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)

Reviews

Dixon, T. 'The Spectre of Dr Moreau: Ethical Facts and Scientific Values' (Essay review of S. Clark, *Biology and Christian Ethics* and C. Deane-Drummond, *Creation Through Wisdom*), *Times Literary Supplement* (2001)

Lectures and Conferences

April 2001

Dixon, T. 'Plagiarist or Positivist? Thomas Brown's French Connections', Scottish Enlightenment in European Context Conference, University of Glasgow

June 2001

Dixon, T. 'The emotions: the construction of a psychological category', King's College London Emotions Group

JENNY DOWNES

Seminar Paper

February 2001

Downes, J. 'The past is a foreign country: reflections on anachronism in the history of science', History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge

JIM ENDERSBY

During the past year, Jim Endersby founded and organised the Science and Literature Reading Group. During the year they have read a variety of sources on the topics 'Bodies and machines: the limits of the human' (Michaelmas term) and 'Degeneration' (Lent term); and were also able to read the manuscript of Rebecca Stott's forthcoming popular work *Darwin and the Barnacle* (Easter Term). Jim Endersby started a website on Joseph Dalton Hooker and the history of botany generally (www.jdhooker.org.uk) and in September 2000 he also found time to get married, to Dr Pamela Thurschwell.

His postgraduate research is being supported by an External Research Studentship from Trinity College Cambridge, and he also received a grant from the Newton Trust and the Raymond and Edith Williamson Fund.

Publications

Articles in journals

Endersby, J. "'The Realm of Hard Evidence": novelty, persuasion and collaboration in botanical cladistics', *Studies in the History and Philosophy of the Biological and Biomedical Sciences*, Vol. 32, No. 2, 343–360

Endersby, J. 'Joseph Hooker: the making of a botanist', *Endeavour*. Vol. 25, No. 1, (March 2001), 3–7

In Press

Articles in books

Endersby, J. 'Joseph Dalton Hooker', forthcoming entry for the *New Dictionary of National Biography*, Oxford University Press

Endersby, J. 'Gentlemanly Generation: Darwin on heredity, reproduction and marriage', chapter for the *Cambridge Companion to Darwin*, Cambridge University Press (forthcoming, early 2002)

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* (forthcoming, scheduled August 2001)

Reviews

Endersby, J. Review of P. Hoffenberg, *An Empire on Display* in *Metascience* (scheduled for 2002)

Endersby, J. Review of R. Paddle, *The Last Tasmanian Tiger* in *British Journal for the History of Science* (scheduled for late 2001)

Endersby, J. Review of J. E. Strick, *Sparks of Life: Darwinism and the Victorian debates over spontaneous generation* in *Quarterly Review of Biology* (scheduled for late 2001)

Endersby, J. Review of R. Drayton, *Nature's Government: Science, Imperial Britain and the 'Improvement of the World'* in *Studies in the History and Philosophy of the Biological and Biomedical Sciences* (scheduled for 2001)

PATRICIA FARA

Publications

Articles in books

Fara, P. (2000) 'Faces of genius: images of Newton in eighteenth-century England' in G. Cubitt and A. Warren (eds.) *Heroic reputations and exemplary lives*, Manchester University Press, 57–81

Articles in journals

- Fara, P. 'Isaac Newton lived here: sites of memory and scientific heritage', *British Journal for the History of Science*, No. 33 (2000), 407-26
- Fara, P. 'The Dilettanti Society', *Endeavour*, No. 25 (2001), 1-2
- Fara, P. 'Images of Charles Darwin', *Endeavour* No. 24 (2000), 143-4

Reviews

- Fara, P. Review of N. Guicciardini, *Reading the Principia: the debate on Newton's mathematical methods for natural philosophy from 1687 to 1736* in *British Journal for the Philosophy of Science* No. 51 (2000), 935-9
- Fara, P. Review of M. Kemp, *Visualizations: The Nature Book of Art and Science* in *Endeavour* No. 25 (2001), 39
- 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), 335-7

In Press

Books

- Fara, P. *Isaac Newton: the making of genius*, Macmillan
- Fara, P. *An entertainment for angels: electricity and enlightenment*, Icon Books

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

Articles in journals

- Fara, P. and D. Money, 'Isaac Newton and Augustan Anglo-Latin poetry,' *Studies in the History and Philosophy of Science*
- Fara, P. 'The Seventh Solvay Conference', *Endeavour*
- Fara, P. 'The Oxford University Museum', *Endeavour*

Reviews

- Fara, P. Review of S. Crane (ed.), *Museums and memory* in *Canadian Journal of History*
- Fara, P. Review of L. Koerner, *Linnaeus: nature and nation* in *Annals of Science*
- Fara, P. Review of R. MacLeod, *The 'Creed of science' in Victorian England* in *Notes and Records of the Royal Society*
- Fara, P. Review of M. Llasera, *Représentations scientifiques et images poétiques en Angleterre au XVIII siècle: à la recherche de l'invisible* in *Isis*

Lectures and Conferences

April 2001

- Fara, P. 'Christian philosopher or local hero?', Victorian Periodicals conference, MIT
- Fara, P. 'Advertising genius: Images of Isaac Newton', Wellesley College, Massachusetts

July 2001

- Fara, P. 'Look and learn: Images of Isaac Newton', Locating the Victorians conference, London

September 2001

- Fara, P. 'Franklin and the lightning conductor', King's Lynn Society

JOHN FORRESTER

Appointed to Personal Professorship, Professor of History and Philosophy of the Sciences, October 2000.

Publications

Articles in books

- Forrester, J. (2000) 'What kind of truth?' in Peter Brooks and Alex Woloch (eds.) *Whose Freud? The Place of Psychoanalysis in Contemporary Culture*, Yale University Press, 311-323

Lectures and Conferences

November 2000

Forrester, J. 'Psychoanalysis and Privacy', paper given to Psychoanalysis & the Humanities Seminar, Faculty of English/Department of History and Philosophy of Science, University of Cambridge

March 2001

Forrester, J. 'Talk.com: The fate of Freud in the 21st Century?', public lecture given at Princeton University, with Elaine Showalter, respondent

Forrester, J. 'Psychoanalysis in Strange Places: Is a "Global" Disciplinary History Feasible?', Department of History, Work-in-Progress Seminar, Princeton University

Forrester, J. 'Voyeurism, Ethics, Epistemology - The Case of Robert Stoller's *Sexual Excitement*', paper given to Program in History of Science Seminar, Princeton University

Forrester, J. 'Freud in Cambridge', paper delivered to conference 'Minding History', sponsored by the Freud Museum, University of London Union

MARINA FRASCA-SPADA

Dr Frasca-Spada is still an affiliated lecturer; a member of the HPS board; 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. Also member of the Management Committee of the British Society for the History of Philosophy; HPS Director of Studies and Fellow of St Catharine's College since Oct 2000; and Philosophy Director of Studies at Newnham, Pembroke and Lucy Cavendish.

Publications

Books

Frasca-Spada, M. and Jardine, N. (eds.) (2000) *Books and the Sciences in History*, Cambridge University Press

Articles in books

Frasca-Spada, M. and Jardine, N. (2000) 'Introduction: Books and the sciences', in *Books and the Sciences in History*

Frasca-Spada, M. 'Compendious footnotes', contribution to *Books and the Sciences in History*

Articles in journals

Frasca-Spada, M. 'The many lives of eighteenth-century philosophy', review article, *British Journal for the History of Philosophy* 9/1 (2001), 135-44

Reviews

Book reviews in the *British Journal for the History of Philosophy and Mind*

In Press

Articles in books

Frasca-Spada, M. 'Hume's sense impressions', in M. Martin and others (eds.) *The Problems of Perception and Vision: From Antiquity to the Present Day*, Routledge

Frasca-Spada, M. 'Quixotian confusions and Hume's imagination' in M. Frasca-Spada and P.J.E. Kail (eds.), *Impressions of David Hume*

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

Articles in journals

Frasca-Spada, M. 'Hume on sense impressions and objects', *Vienna Circle Institute Yearbook* 9 (2001)

Lectures and Conferences

July 2000

Frasca-Spada, M. 'Hume on sense impressions and objects', plenary lecture at the 3rd International History of Philosophy of Science Conference, HOPOS 2000, University of Vienna and Institute of the Vienna Circle

May 2001

Invited speaker to "Humean Readings 2", University of Rome "La Sapienza", Dipartimento di studi filosofici ed epistemologici, Gruppo nazionale di ricerca sull'Illuminismo britannico, Villa Mirafiori, Rome (Italy)

September 2001

Co-organiser with P.J.E. Kail of the conference *Hume Studies in Britain*, Department of History and Philosophy of Science, Cambridge

Frasca-Spada, M. 'Quixotian confusions and Hume's imagination', conference *Hume Studies in Britain*

ROGER FRENCH

Publications

Books

French, R. *Ancients and Moderns in the Medical Sciences*, Variorum/Ashgate

French, R., C. O'Boyle and F. Salmon (eds.) (2000) *El Aprendizaje de la Medicina en el Mundo Medieval*, Granada (Dynamis 20)

Articles in books

French, R. 'Where the philosopher finishes the physician begins' in R. French, C. O'Boyle and F. Salmon (eds.) (2000) *El Aprendizaje de la Medicina en el Mundo Medieval*, Granada (Dynamis 20)

French, R. 'Roger of Hereford: astrology and the school of Hereford' in Whitehead and Eisel (eds.) *A Herefordshire Miscellany*

In Press

Books

French, R. *Canonical Medicine: Gentile da Foligno and Scholasticism*, Leiden (Brill), due September 2001

French, R. *Medicine Before Science*, Cambridge University Press

French, R. and M. de Asua, *New World, New Animals*, Ashgate

Articles in books

French, R. 'Harvey and the circulation of the blood', *Enciclopedia Italiana*

Grant

£22,000 for a study leading to *New World, New Animals*, together with Miguel de Asua, from the Fundacion Antorchas, Argentina.

GREG FRIED

In March 2001 Greg Fried was awarded the Hooper Declamation Prize at Trinity College, for 'This House Believes that the World is Flat', a speech on parallelism and alienation.

Lectures and Conferences

Michaelmas and Lent terms

Founded and chaired the Cambridge Humour Seminar. Speakers from Cambridge and other UK universities discussed psychological, sociological, historical and philosophical aspects of humour

January 2001

Fried, G. 'Humour and Deflation', MPhil seminar, Italian Department, University of Cambridge

February 2001

Fried, G. 'The Metaphysics and Epistemology of Humour', HPS Departmental Seminar, University of Cambridge

July 2001

Fried, G. 'How Humour is Bad for us', Conference on Humour and Laughter: Theory and Applications, Queens University Belfast

September 2001

Fried, G. 'What Humour Teaches', Conference on Laughter and Translation, St Hugh's College, Oxford

AILEEN FYFE

Aileen Fyfe's PhD was approved in October 2000, and she graduated in December. She took up a Lectureship in the History of Science and Medicine at the Department of History, National University of Ireland, Galway in September 2000, and has therefore spent most of the intervening time writing lectures and coping with a new country.

She is on the Council of the British Society for the History of Science, and remains a committee member of the (British) Book Trade History Group.

In Press

Articles in books

Fyfe, A., 'Periodicals and Book Series: Complementary Aspects of a Publisher's Mission' in G. Cantor et al, *Science Serialised*

Lectures and Conferences

November 2000

Fyfe, A. 'Industrialized Conversion: publishing popular science and religion in Victorian Britain', *HSS 2000*, History of Science Society annual meeting, Vancouver

February 2001

Fyfe, A., 'Industrialized Conversion: evangelicals and popular science publishing in Victorian Britain', *Scientia* seminar, The Queen's University of Belfast

July 2001

Fyfe, A., 'Evangelicals and Popular Science Publishing in Victorian Britain' (poster display), *Locating the Victorians*, London

AXEL GELFERT

Publications

Articles in journals

Gelfert, A. and W. Nolting, 'The absence of finite-temperature phase transitions in low-dimensional many-body models: a survey and new results', (Topical Review), *Journal of Physics: Condensed Matter* 13 (July 2001) R505-R524

Gelfert, A. 'On the role of dimensionality in many-body theories of magnetic long-range order', arXiv.org:cond-mat/0106031, 1-100

Reviews

Gelfert, A. 'Back to the future', review of Freeman Dyson, *The Sun, the Genome, and the Internet* and of Michio Kaku, *Visions*, in *Science and Public Policy*, vol. 28, No. 3 (June 2001) 230-232

Other articles

Gelfert, A. 'Joschka's World', Europa Online (ouegas.org), Feb. 2001 (German version in: Humboldt, 45 No. 5/6, April 2001, 1)

Gelfert, A. 'Der letzte Khuza', in *Khuza. Der Mythos - Die Debatte*, Badisches Landesmuseum Karlsruhe 2000, 70-71 (reprinted from *Süddeutsche Zeitung*, 14 July 2000)

CATHY GERE

Cathy Gere is the named research assistant on a three year study of the impact of the new biotechnology on the constitution of collections of human biological materials, which will start in October 2001 and will be funded with a grant from the Wellcome Trust. The project is to be based at the King's College Cambridge Research Centre and she will be a research associate of the college.

Publications

Articles in Journals

Gere, C. 'William Harvey's Weak Experiment: the archaeology of an anecdote', in *History Workshop Journal*, No. 51 (2001), 19-36

Lectures and Conferences

November 2000

Gere, C. 'The Birth of Tragedy: Friedrich Nietzsche and archaeological modernism', Department of History and Philosophy of Science, University of Cambridge

May 2001

Gere, C. 'Fakes and False Memories: techniques of reconstruction in archaeology and psychoanalysis', Department of History and Philosophy of Science, University of Cambridge

JEREMY GRAY

Publications

Books

Gray, J.J. (2000) *The Hilbert Challenge*, Oxford University Press

Articles in books

Gray, J.J. (2001) Five bibliographical essays ('Algebra ancient and modern', 'Axiomatics', 'Function', 'Geometry', 'Group theory') in the *Reader's Guide to the history of science*, ed. Arne Hessenbruch, Fitzroy Dearborn

Reviews

Gray, J.J. Review of Charles Seife *Zero: The biography of a dangerous idea*, in *Notices of the American Mathematical Society* October 2000, 1018-1081.

Gray, J.J. Review of Leonard Mlodinow, in *Euclid's Window: The Story of Geometry from Parallel Lines to Hyperspace*. The Free Press 2001, *Nature*, vol. 411, 21 June 2001, 888-9

In Press

Books

Gray, J.J. (2001) *Bolyai and Geometry*, Dibner Press, MIT

Articles in books

Gray, J.J. (2001) 'Mathematics and Natural Science in the 19th Century: the success of the classical approaches – Poincaré, Volterra, Levi-Civita, Hadamard', to appear in *Changing Images of Mathematics in History*, Harwood

Gray, J.J. (2001) 'Languages for mathematics and the language of mathematics in a world of nations', to appear in *Mathematics Unbound: The Evolution of an International Mathematical Community, 1800-1945*, ed. K.H. Parshall, to be published by the American and London Mathematical Societies.

Gray, J.J. (2001) 'Non-Euclidean geometry', to appear in the *Oxford Companion to the History of Modern Science*

Gray, J.J. (2001) 'Poincaré, Duchamp, and Intellectual Aesthetics', to appear in *Poincaré and Duchamp*, Springer Verlag, New York

Articles in journals

Gray, J.J. 'Weierstrass, Luzin, and intuition', to appear in *American Mathematical Monthly*

Lectures and Conferences

October 2000

Gray, J.J. 'Symbols and suggestions; the communication of mathematics in print', Math ML Conference, Champaign, Illinois

November 2000

Gray, J.J. 'Poincaré – between physics and philosophy', Kant and the Exact sciences, Dibner Institute, MIT

February 2001

Gray, J.J. 'Learning from mistakes - non-Euclidean reflections', British Society for the History of Mathematics Research in Progress Conference, Queen's College, Oxford

May 2001

Gray, J.J. 'Anxiety and Abstraction in 19th Century Mathematics', Workshop on the History of Mathematics in the Last 25 Years: New Departures, New Questions, New Ideas, Tel Aviv and Jerusalem, Israel

NICK HOPWOOD

Appointed a University Lecturer and granted a Wellcome research leave award to work for two years from September 2001 on 'Embryos, ancestors and the unborn: Visualizing human origins, 1790–1950'. Continued as an advisory editor of *Studies in History and Philosophy of Biological and Biomedical Sciences*.

Publications

Articles in books

Hopwood, N. (2000) 'Haeckel, Ernst' in Arne Hessenbruch (ed.) *Reader's Guide to the History of Science*, Fitzroy Dearborn, 317-318

In Press

Books

Hopwood, N. (2001) *Embryos in Wax: Models from the Ziegler Studio*, Whipple Museum of the History of Science and Medizinhistorisches Institut Bern

Hopwood, N. *Displaying the Third Dimension: Models in the Sciences, Technology and Medicine*, edited with S. de Chadarevian, Stanford University Press

Articles in books

Hopwood, N. (2001) '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

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

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. 'Dimensions of modelling', with S. de Chadarevian, in S. de Chadarevian and N. Hopwood (eds.) *Displaying the Third Dimension: Models in the Sciences, Technology and Medicine*, Stanford University Press

Hopwood, N. 'Plastic publishing in embryology' in S. de Chadarevian and N. Hopwood (eds.), *Displaying the Third Dimension: Models in the Sciences, Technology and Medicine*, Stanford University Press

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*

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*

Lectures and Conferences

November 2000

Hopwood, N. 'Kontroversen um Ernst Haeckels Embryonenbilder', ETH workshop on 'Ganz normale Bilder. Zur visuellen Herstellung von Selbstverständlichkeiten im historischen Kontext', Ascona, Switzerland

May 2001

Hopwood, N. 'Modelling the unborn: Freiburg and the trade in wax embryos around 1900', Institute of the History of Medicine, University of Freiburg im Breisgau, Germany

Hopwood, N. "'Eine Gesellschaft von Wachshomunculi": Modelling embryos around 1900', Institute of the History of Medicine, University of Heidelberg, Germany

June 2001

Hopwood, N. 'Norms of development', Dibner Seminar in History of Biology, 'From Embryology to Evo-Devo', Marine Biological Laboratory, Woods Hole, MA, U.S.A.

Hopwood, N. 'Medical revolutions', two lectures in the University of Georgia Foundation Fellows Program, Cambridge

NICK JARDINE

Publications

Books

Jardine, N. and Frasca-Spada, M. (eds., with an introduction) (2000) *Books and the Sciences in History*, Cambridge University Press

Jardine, N. (2000) *The Scenes of Inquiry*, 2nd edition with three supplementary essays, Clarendon Press

Jardine, N., Frasca-Spada, M. and Macdonald, H. (eds., with an introduction) (2000) *Garden Party Talks III: On Books*, Department of History and Philosophy of Science, University of Cambridge

Jardine, N., Raven, F., Stearn, W. T. and Frasca-Spada, M. (eds.) (2001) *J. E. Raven: Plants and Plant Lore in Ancient Greece*, Leopard's Head

Articles in books

Jardine, N. (2000) 'Amateurs of ancient botany' in F. Raven and others, *J. E. Raven: Plants and Plant Lore in Ancient Greece*, Leopard's Head, 41-45

Jardine, N. (2000) 'Books, Texts, and the Making of Knowledge' in N. Jardine and M. Frasca-Spada (eds.) *History of the Sciences, History of the Book*, Cambridge University Press, 393-407

Jardine, N. (2000) 'Higher Fungi (agarics and boletes) from Thetford forest and Bradfield Woods' in M. Frasca-Spada and others (eds.) *Garden Party Talks III: On Books*, Cambridge, 101-112

Articles in journals

Jardine, N. 'Koyré's Kepler / Kepler's Koyré', *History of Science* 38 (2000), 363-376

Jardine, N. 'Koyre's Intellectual Revolution', *La Lettre de la Maison Française d'Oxford* 13 (2001), 11-25

Jardine, N. 'Routine authorship and intellectual innovation: A reply to William Whewell', *Intellectual News* 8 (2001), 5-9

Reviews

Jardine, N. 'Celestial architect', essay review of J. R. Voelkel, *Johannes Kepler and the New Astronomy* in *Journal for the History of Astronomy* 31 (2000), 265-266

Editing journals

Co-editor with M. Frasca-Spada of *Studies in History and Philosophy of Science*

Editor of *Studies in History and Philosophy of Biological and Biomedical Sciences*, with special issues on History and Philosophy of Taxonomy and on The Rockefeller Foundation and the Biomedical Sciences

In Press

Articles in books

Jardine, N. and Segonds, A. '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*, Schwabe: Basel

Jardine, N. 'Sammlung, Wissenschaft, Kulturgeschichte', in A. te Heesen and E. Spary (eds.), *Sammeln als Wissen*, Wallstein: Göttingen

Articles in journals

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

RICHARD C. JENNINGS

Publications

Reviews

Jennings, R. C. 'Welfare, rights and justice', review of the Nuffield Council on Bioethics, *Genetically Modified Crops: the Ethical and Social Issues*, in *Science and Public Policy* No. 27, (2000), 307-8

Lectures and Conferences

September 2000

Jennings, R. C. 'Professional responsibility, regulation and the law' to an informal meeting of the Ethics Committee of the British Computer Society. Reported on page 17 of the November 2000 issue of *The Computer Bulletin*.

November 2000

Jennings, R. C. 'The application of ethical theory to ethical issues in computing' to the Ethics Committee of the British Computer Society. Notes of talk circulated with the minutes of the meeting.

January 2001

Jennings, R. C. 'Teaching Computer Ethics in Cambridge' read at the LTSN Symposium on The Teaching of Ethics and Professional Issues held at the University of Greenwich. The paper is available online through the LTSN resource website: <<http://www.ics.ltsn.ac.uk:80/pub/ethics01/RichardJennings.doc>>

PETER JONES

This year has seen the completion of the Wellcome Trust funded part of the project to convert to electronic form and update Thorndike and Kibre, *Catalogue of Incipits of Medieval Scientific Writings in Latin*. The next stage of the project, co-directed by Peter Jones and Professor Linda E. Voigts (University of Missouri, Kansas City) will seek to make the data available via the World Wide Web.

Peter Jones was awarded the Reynolds Associates Research Fellowship in the History of the Health Sciences in September 2001.

Publications

Articles in books

Jones, P.M. (2000), 'Medical Libraries and Medical Latin 1400-1700' in W. Bracke and H. Deumens (eds.) *Medical Latin from the Late Middle Ages to the Eighteenth Century*, Brussels: Koninklijke Academie voor Geneeskunde van België, 115-135

Articles in journals

Jones, P.M. and Olsan, L.T. 'Middleham Jewel: Ritual, Power, and Devotion', *Viator* No. 31(2000), 249-290

Jones, P.M. 'Encounters with amulets', *Societas Magica Newsletter*

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*

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 (2001)

Lectures and Conferences

October 2000

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

February 2001

Jones, P.M. 'Medical libraries in the sixteenth century', Seminar in the History of the Book 1450-1800, All Souls College, Oxford

March 2001

Jones, P.M. Arizona 'Fear and expectation in the later Middle Ages', Medieval Academy of America, Tempe, Arizona

May 2001

Jones, P.M. 'The surgeon as storyteller', Symposium on Writing and Disease, Crêt-Bérard, Lausanne, Switzerland

June 2001

Jones, P.M. 'The surgeon as storyteller', Symposium on The Medieval Patient, St Andrews University

HARMKE KAMMINGA

Publications

Articles in books

Kamminga, H. (2000) "'Axes to grind": popularising the science of vitamins, 1920s and 1930s' in D.F. Smith and J. Phillips (eds.) *Food, Science, Policy and Regulation in the Twentieth Century*, Routledge, 83-100

In Press

Articles in books

Kamminga, H. (2001) 'Hopkins and biochemistry' in P. Harman and S. Mitton (eds.) *Cambridge Scientific Minds*, Cambridge University Press, 172-186

Lectures and Conferences

April 2001

Kamminga, H. 'Building biochemistry, changing the world: the science and politics of unification in interwar Cambridge', Centre for the History of Science, Medicine and Technology, University of Manchester

September 2001

Kamminga, H. 'Transforming science, transforming society I. The unity of science ideology from the Great War to the Cold War', Museum of History of Science, Cuban Academy of Sciences, Havana, Cuba

Kamminga, H. 'Transforming science, transforming society II. Pursuits of unification and the shaping of biochemistry in the 1920s and 1930s', School of Biology, University of Havana, Cuba

LAUREN KASSELL

Lauren Kassell took up the post of University Assistant Lecturer in the department in October 2000. She has been elected to an Official Fellowship at Pembroke College, where she will direct studies in HPS. She has also been elected to the Social History Society Executive Committee.

Publications

Articles in books

Kassell, L. (2000) 'Reading for the philosophers' stone' in M. Frasca-Spada and N. Jardine (eds.) *Books and the Sciences in History*, Cambridge University Press

In Press

Articles in books

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

MARTIN KUSCH

During the academic year 2000-2001, Dr Kusch acted as MPhil manager. In January, the University promoted him to a readership. He continued as Advisory Editor for *Studies in History and Philosophy of Science* (Series A). He served as external assessor of philosophy grant applications to the Academy of Finland, and accepted an invitation to be a member of the *Beirat* for a large interdisciplinary research project on psychological and philosophical aspects of the will, organised by the Max-Planck Institute for Psychological Research in Munich. He began work on a book on Kripke's meaning scepticism. He hopes to be able to make good progress with this project during the academic year 2001-2002 when he shall be a fellow at the *Wissenschaftskolleg zu Berlin*.

Publications

Articles in books

Kusch, M. (2001) 'The Politics of Thought: A Social History of the Debate between Wundt and the Würzburg School' in L. Abertazzi (ed.) *The Dawn of Cognitive Science: Early European Contributors*, Kluwer Academic Publishers, 61-88

Reviews

Kusch, M. "'A General Theory of Societal Knowledge'? Aspirations and Shortcomings of Alvin Goldman's Social Epistemology', Essay Review of A. I. Goldman, *Knowledge in a Social World* in *Studies in History and Philosophy of Science*, Vol. 32, No. 1 (2001), 183-192

Kusch, M. Review of S. Haack, *Manifesto of a Passionate Moderate: Unfashionable Essays* in *British Journal for the Philosophy of Science* Vol. 52 (2001), 169-173

In Press

Books

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

Articles in journals

Kusch, M., 'Testimony in Communitarian Epistemology', *Studies in History and Philosophy of Science*

Lectures and Conferences

December 2000

Kusch, M. 'Testimony in Communitarian Epistemology', Science Studies Centre, Department of Psychology, University of Bath

January 2001

Kusch, M. 'Context and Socialism: Comments on Helen Longino's Social Epistemology', Gender Studies Group, University of Cambridge University

February 2001

Kusch, M. 'Testimony', Jackman Lecture, Institute of History and Philosophy of Science and Technology, University of Toronto

March 2001

Kusch, M. 'Testimony', Department of Philosophy, University of Cork

May 2001

Kusch, M. 'Meaning Finitism and Truth', Conference on Cognitive Science, Department of Philosophy, University of San Sebastian (awarded the prize for the best contributed paper)

SACHIKO KUSUKAWA

In Press

Articles in books

- Kusukawa, S. (2001) 'The Reception of Melanchthon's textbooks in sixteenth-century Cambridge and Oxford', in G. Frank (ed.) *Melanchthon und Südwesteuropa*, Thorbecke
- Kusukawa, S. (2001) 'Melanchthon', in D. Bagchi and D. Steinmetz (eds), *The Cambridge Companion to Reformation Theology*, Cambridge University Press
- Kusukawa, S. (2001) '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*, Dordrecht: Kluwer
- Kusukawa, S. (2001) 'Mediations of Zabarella in Northern Europe: The preface of Johann Ludwig Hawenreuter' in G. Piaia (ed.) *The Presence of Paduan Aristotelianism in Early Modern Philosophy*, Padua

Reviews

- Kusukawa, S. Review of M. Collins, *Medieval Herbals: the illustrative traditions* in *Times Literary Supplement*
- Kusukawa, S. Review of J. R. Christianson, *On Tycho's Island, Tycho Brahe and His Assistants, 1570–1601* in *History*
- Kusukawa, S. Review of A. Grafton and N. Siraisi (eds.) *Natural Particulars: nature and the disciplines in Renaissance Europe in Early Science and Medicine*

Lectures and Conferences

September 2000

- Kusukawa, S. 'Mediations of Zabarella in Northern Europe 1586-1617 (II)', *The Presence of Paduan Aristotelianism in Early Modern Philosophy*, University of Padua

March 2001

- Kusukawa, S. 'Varieties of functions of illustrations in sixteenth-century herbals', *L'image scientifique: Renaissance et époque moderne*, Département d'Histoire, Ecole normale supérieure, Paris, France
- Kusukawa, S. with Scott Mandelbrote, 'The herbals of Robert Morison', *History of the Book Seminar*, All Souls College, Oxford

TIM LEWENS

Tim Lewens took up a post as Junior Research Fellow at Clare College in October 2000. In January 2001 he submitted his PhD dissertation, *Organisms and Artefacts—Design in Nature and Elsewhere*, which was awarded in June 2001. In 2000-1 he has been director of studies in philosophy at Corpus Christi, he has been appointed organiser of the Cambridge Bioethics Forum, he has been active in securing a Wellcome Trust grant in bioethics at the King's College Research Centre, and he has been appointed as a consulting editor to *Studies in History and Philosophy of Science C*. In January and February 2001 he was a visitor at the Museum of Comparative Zoology, Harvard University.

Publications

Articles in journals

- Lewens, T. 'Sex and Selection: A Reply to Matthen', *British Journal for the Philosophy of Science* 52 (2001), 589-598
- Lewens, T. 'No End to Function Talk', *Studies in History and Philosophy of Biological and Biomedical Sciences* 32 (2001), 179-190

In Press

Articles in journals

- Lewens, T. 'Adaptationism and Engineering', *Biology and Philosophy*
- Lewens, T. 'Darwininnovation!', *Studies in History and Philosophy of Science*

Lectures and Conferences

October 2000

- Lewens, T. 'Ethics, Evolution and Environment', Forum For the Future, London

December 2000

Lewens, T. 'Does Technology Evolve?', Centre for the Philosophy of Natural and Social Sciences, London School of Economics

May 2001

Lewens, T. 'Prospects for Evolutionary Policy', Moral Sciences Club, Cambridge University

June 2001

Lewens, T. 'Technological Evolution: Good News and Bad News', Human Behavior and Evolution Society Conference, University College London

July 2001

Lewens, T. 'The Trials of Life: Natural Selection and Random Drift', International Society for the History, Philosophy and Social Studies of Biology, Quinnipiac, US

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 the Personnel Committee. He served as Advisor Editor for *Studies in the History and Philosophy of Science* and on the Editorial Board of *The British Journal for the Philosophy of Science*. In February 2001 he gave the Eddington Memorial Lecture.

Publications

Review

Lipton, P. Review of Thomas Kuhn, *The Road Since "Structure"* and of Steve Fuller, *Thomas Kuhn in London Review of Books*, Vol 23 No 14 (19 July 2001) 30-31

In Press

Edited volume

Kusch, M. and Lipton P. *Testimony*, special issue of *Studies in the History and Philosophy of Science*

Articles in books

Lipton, P. 'What Good is an Explanation?' in G. Hon and S. Rackover (eds.) *Explanation: Theoretical Approaches and Applications*

Lipton, P. 'Is Explanation a Guide to Inference?' in G. Hon and S. Rackover (eds.) *Explanation: Theoretical Approaches and Applications*

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

Lipton, P. 'Accepting Contradictions' in Peter Clark and Roger Young (eds.) *The Philosophy of Bas van Fraassen*

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

Articles in journals

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

Lipton, P. 'The Reach of the Law', *Philosophical Books*

Lipton, P. 'Psillos on the Pessimistic Induction', *Metascience*

Kusch, M. and Lipton, P. 'Testimony: A Primer', *Studies in the History and Philosophy of Science*

Reviews

Lipton, P. Review of Colin Howson, *Hume's Problem: Induction and the Justification of Belief* in *The British Journal for the Philosophy of Science*

Conferences and Lectures

October 2000

Lipton, P. 'Waiting for Hume', Hume Studies in Britain Conference, Cambridge

Lipton, P. 'The Philosophy of Science in the Teaching of Science', Homerton College, Cambridge

December 2000

Lipton, P. 'Science and Religion', University of Birmingham

February 2001

Lipton, P. 'Science, Religion and Truth', Eddington Memorial Lecture, Cambridge

March 2001

Lipton, P. 'Prediction and Prejudice', Queens' College, Cambridge

April 2001

Lipton, P. 'Accepting Contradictions', Conference on Bas Van Fraassen's Philosophy of Science, University of Dundee

July 2001

Lipton, P. 'The Truth about Science', Institute of Criminology, Cambridge

Lipton, P. 'Philosophy on the Edge of Science', International Summer School, Cambridge

Lipton, P. 'Will the Sun Rise Tomorrow?', Higher Education Summer School, Cambridge

Lipton, P. 'The Truth about Science', Summer Academy, University of Groningen

August 2001

Lipton, P. 'The Structure of Scientific Explanation', International Comenius Course, University of Groningen

HELEN MACDONALD

Commissioned to write book for the series 'Animal' to be published by Reaktion Books on the natural and cultural history of falcons. Published book of poetry *Shaler's Fish*, Etruscan Books, and poems also included in: Tuma, K. (ed). *Twentieth Century British and Irish Poetry*, Oxford University Press.

Publications

Books

Frasca-Spada, M., Jardine, N. and Macdonald, H. J. (eds) (2000) *Garden Party Talks III*, Cambridge Group for the History of Natural History and the Environmental Sciences

Articles in books

Gott, E. J., Macdonald, H.J. and Fox, N.C. (2000) 'The Saker Falcon *Falco cherrug* in the Kyrgyz Republic' in R. D. Chancellor and B.-U. Meyburg (eds) *Raptors at risk; Proceedings of the V World Conference on Birds of Prey and Owls, Midrand, Johannesburg, South Africa, 4-11 August 1998*, Hancock House, World Working Group on Birds of Prey

Levin, A., Watson, M., Macdonald, H.J. and Fox, N.C. (2000) 'The Saker Falcon *Falco cherrug* in Kazakstan' in R. D. Chancellor and B.-U. Meyburg (eds) *Raptors at risk; proceedings of the V World Conference on Birds of Prey and Owls. Midrand, Johannesburg, South Africa, 4-11 August 1998*, Hancock House, World Working Group on Birds of Prey

Reviews

Macdonald, H. J. (2001) Review of C.R. Preston, 'The Red-tailed Hawk' in *The Ibis* 143(1), 160–161.

Macdonald, H. J. (2001) Review of Glinski, R. L. (ed) 'The Raptors of Arizona' in *The Ibis* 143(1), 163

In Press

Articles in journals

Macdonald, H. "What Makes You a Scientist is the Way You Look at Things": Ornithology and the Observer 1930–1955', *Studies in History and Philosophy of Biomedical and Biological Sciences*

Lectures and Conferences

January 2001

Macdonald, H. "What Makes You a Scientist is the Way You Look at Things": Ornithology and the Observer 1930–1955', 2001 BSHS Postgraduate Conference, University of Leeds

June 2001

Macdonald, H. 'Hawks and Doves' Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

SCOTT MANDELBROTE

Publications

Articles in books

- Mandelbrote, S. (2000) 'The religion of Thomas Harriot' in R. Fox (ed.) *Thomas Harriot: An Elizabethan Man of Science*, Ashgate, pp. 246-79
- Mandelbrote, S. (2001) 'The English Bible and its Readers in the Eighteenth Century' in I. Rivers (ed.) *Books and their Readers in Eighteenth-Century England*, Continuum, pp. 35-78, 257-61

Articles in journals

- Mandelbrote, S. 'Représentations bibliques et édéniques du jardin à l'âge classique', *XVIIe siècle*, 52 (2000), 645-53
- Mandelbrote, S. 'Religious Belief and the Politics of Toleration in the Late Seventeenth Century', *Dutch Review of Church History*, 81/2 (2001), 1-22
- Mandelbrote, S. 'The Hammer of Heretics: Joseph Beaumont, Master of Peterhouse from 1663 to 1699', *Peterhouse Annual Record*, 1999/2000, pp. 13-19

Reviews

- Mandelbrote, S. Review of Peter Harrison, *The Bible, Protestantism, and the Rise of Natural Science* in *Journal of Theological Studies*, NS 52 (2001), pp. 429-33

In Press

Books

- Mandelbrote, S. (October 2001) *Footprints of the Lion: Isaac Newton at Work*, Cambridge University Library

Articles in books

- Mandelbrote, S. (2001) 'Le lieutenant de Dieu et la quête de la tolérance' in O. Zegna Rata (ed.) *Le rattachement des Pays de l'Ain à la France*, Droz
- Mandelbrote, S. (2002) 'Newton and Eighteenth-Century Christianity' in I.B. Cohen and G. Smith (eds.) *The Cambridge Companion to Newton*, Cambridge University Press

Articles in journals

- Mandelbrote, S. 'Newton and Religion: Some Reflections on Koyré's Interpretation of Newton's Philosophy and Theology', *La lettre de la Maison Française d'Oxford* (2001)
- Mandelbrote, S. 'Writing the History of the English Bible in the Early Eighteenth Century', *Studies in Church History*, 38 (2002)
- Mandelbrote, S. Review of Penelope Gouk, *Music, Science and Natural Magic in Seventeenth-Century England*, in *Sixteenth-Century Journal* (2001)

Lectures and Conferences

Scott Mandelbrote expects to deliver papers at the Francis Bacon conference (on Bacon's use of the Bible) and the Cultures of Blood conference (on biblical prohibitions on eating blood and their application in the early modern period), both in September 2001.

October 2000

- Mandelbrote, S. 'Scientific and Medical Libraries, 1650-1750', History of Libraries in Britain colloquium, London
- Mandelbrote, S. 'Newton's anti-Trinitarianism, 1680-2000' and 'The Newton Project', both at Newton 2000 conference, William Andrews Clark Library, UCLA

January 2001

- Mandelbrote, S. 'Continental Influences on English Biblical Scholarship in the Late Seventeenth Century', Britons Abroad conference, Cambridge

June 2001

- Mandelbrote, S. 'The Newton Project', ESF conference, Reconstructing Science, Ravenna

NEIL MANSON

In Press

Articles in journals

Manson, N. 'The limitations and costs of Lycan's "simple" argument', *Analysis*, 61.4, October 2001, 319-23

Manson, N. 'Epistemic Consciousness', *Studies in the History and Philosophy of Science*, 2002

Lectures and Conferences

November 2000

Manson, N. 'Low-minded reason explanations and the folk psychology debate', Moral Sciences Club, Cambridge

Manson, N. 'Repression, first-person authority and epistemology of mind', Psy Studies Seminar, Department of History and Philosophy of Science, University of Cambridge

Manson, N. 'Epistemic Consciousness, History and Philosophy of Science Departmental Seminar, University of Cambridge

March 2001

Manson, N. 'How does mental talk shape our thinking about agency?', St John's College Moral Sciences Club, Cambridge

May 2001

Manson, N. 'Conveying Reasons', Philosophy Department seminar, University of Bristol

JOAN MASON

Publications

Articles in books

Mason, J. (2001) 'Measuring Inequality to reach Equity' in A. Colosimo, B. Degen and N. Dewandre (eds.) *Women and science: Making change happen*, European Commission DG for Research/C.5, 137-141

Reviews

Mason, J. 'Alice queries science's wonderland', essay review of Gayle Greene, 'The Woman Who Knew Too Much: Alice Stewart (1906-) and the Secrets of Radiation' in *Times Higher Education Supplement*, 12 January 2001, p 34

Mason, J. Essay review of Gayle Greene, 'The Woman Who Knew Too Much: Alice Stewart (1906-) and the Secrets of Radiation' in *Physics and Society*, 30 (1), 15, January 2001

Mason, J. 'Unbinding Athena', review of Henry Etzkowitz, Carol Kemelgor and Brian Uzzi, *Athena Unbound: the Advancement of Women in Science and Technology in Chemistry in Britain*, February 2001, p 49

Mason, J. 'Women in Science: outsiders and insiders', essay review of Judith Glover, 'Women and Scientific Employment' in *Science and Public Policy*, 28 (2) April 2001

Mason, J. 'Women in Science – a question of survival', essay review of Judith Glover, 'Women and Scientific Employment' in *Chemistry in Britain*, 2001

In Press

Articles in books

Mason, J. (2000) 'Hertha Ayrton (1854-1923)' in Nina Byers (ed.) *Contributions of Twentieth Century Women to Physics*, Institute of Physics Publishing

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

Lectures and Conferences

October 2000

Mason, J. Panellist, discussion of Women in Science at the Royal Institution

November 2000

Mason, J. 'Euro and UK perspectives on women in science', talk given to RESNET group at the University of East Anglia

January 2001

Mason, J. 'The ETAN report: gender mainstreaming in EU science', paper given at Oxford-Cambridge ETAN meeting, St Hilda's College, Oxford

July 2001

Delegate of the Royal Society to the 21st Congress of IUHPS/DHS, Mexico City 2001

Mason, J. 'Women in the World's Academies of Science', paper given at the 21st Congress of IUHPS/DHS, Mexico City

Mason, J. 'Hertha Ayrton (1854-1923), Lady Electrician and Suffragist', paper given at the 'Locating the Victorians' conference in Kensington (read by Prof. Meri-Jane Rochelson, Florida State University)

STEPHEN F. MASON

Publications

Articles in books

Mason, S. F. (2000), Chapter 2, 'From Pasteur to Parity Nonconservation: theories of the Origin of Molecular Chirality' in Nina Berova, Koji Nakanishi and Robert W Woody (eds.) *Circular Dichroism: Principles and Applications* (2e), Wiley-VCH, NY, 37-53

Articles in journals

Mason, S. F. 'Extraterrestrial Handedness revisited', *Origins of Life and Evolution of the Biosphere*, 30 (2000) 435-437

ANNA-K. MAYER

Publications

Books

Mayer, A.-K. and C. Lawrence (eds.) (2000) *Regenerating England: Science, Medicine and Culture in Inter-War Britain*, Rodopi

Mayer, A.-K. with Frederick Burkhardt, *et al.* (eds.) (2001) *The Correspondence of Charles Darwin*, vol. 12/1864, Cambridge University Press

Articles in books

Mayer, A.-K. and C. Lawrence (2000) 'Introduction', in idem (eds.) *Regenerating England: Science, Medicine and Culture in Inter-War Britain*, Rodopi

Mayer, A.-K. (2000) "'A combative sense of duty": Englishness and the Scientists', in idem and C. Lawrence (eds.) *Regenerating England: Science, Medicine and Culture in Inter-War Britain*, Rodopi

Articles in journals

Mayer, A.-K. 'Setting up a discipline: conflicting agendas of the Cambridge History of Science Committee, 1936—1950', *Studies in the History and Philosophy of Science*, 31 (2000)

JAMES MOORE

Dr Moore gave interviews to Angel Radio (London) and for the Archimede strand on ARTE (Germany, France) and the TV7 strand on RAI (Italy). He was interviewed, and served as script and website consultant, for part 1 of the WGBH/NOVA Science Unit and Clear Blue Sky Productions 8-part series, 'Evolution,' to be transmitted on the US Public Broadcasting System in September 2001. He was awarded, unsolicited, a 45,000 dollar grant by the Andrew W. Mellon Foundation for preparation of a calendar of the correspondence of Alfred Russel Wallace at the Open University.

Publications

Books

Moore, J. *Good Breeding: Science and Society in a Darwinian Age*, A426, A Fourth-Level Course (Study Guide, Offprints Collection, Assignment and Project Guide), Open University

Articles in books

Moore, J. 'Charles Darwin' in Gary B. Ferngren, Edward J. Larson, and Darryl W. Amundsen (eds.) *The History of Science and Religion in the Western Tradition: An Encyclopedia*, Garland Publishing, pp.100-105

Articles in journals

Moore, J. 'Darwinism Gone to Seed', *Books and Culture*, March-April 2001, pp.36-38

In Press

Articles in books

Moore, J. 'Science and Religion' in David C. Lindberg and Ronald L. Numbers (eds.) *The Cambridge History of Science*, vol. 6, Peter J. Bowler and John V. Pickstone (eds.) *Modern Biological and Earth Sciences*, Cambridge University Press

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

Lectures and Conferences

October 2000

Moore, J. 'Seedlings, Chicks and Children: A Darwinian Pedigree for Eugenics', Department of History and Philosophy of Science, University of Leeds

February 2001

Moore, J. 'Seedlings, Chicks and Children: A Darwinian Pedigree for Eugenics', Templeton/American Scientific Affiliation lecture, Wheaton College (Illinois)
Advanced Faith and Learning Seminar on Religion and Science, Wheaton College (Illinois)

May 2001

Moore, J. 'Seedlings, Chicks and Children: A Darwinian Pedigree for Eugenics', History of Science, Technology and Medicine Seminar, Royal Institution, London

June 2001

Moore, J. 'Darwin and Wallace on Biogeography', Inspirational Landscapes: Journeys That Changed the World, Royal Institution, London

July 2001

Moore, J. 'Revolution of the Space-Invaders: Darwin and Wallace on the Geography of Life', Geography and Revolution Conference, Department of Geography, Edinburgh University

ADAM MOSLEY

Organiser of EPACTS (Early Physics, Astronomy, Cosmology and Technology Seminar). Co-organiser of the Cambridge Society for Neo-Latin Studies Annual Symposium 'Latin Laughter: Humour in Neo-Latin Literature from Poggio to the Present'.

Publications

Articles in books

Mosley, A. (2000) 'Astronomical books and courtly communication' in M. Frasca-Spada and N. Jardine (eds.) *Books and the Sciences in History*, Cambridge University Press, 114-131

In Press

Articles in books

- Mosley, A. 'Tycho Brahe's Epistolae astronomicae: A reappraisal', forthcoming in J. Papy, T. van Houdt and G. Tournoy (eds.) *Self-Presentation and Social Identification. The Rhetoric and Pragmatics of Letter Writing in Early-Modern Times*, Supplementa Humanistica Lovaniensia, Leuven University Press
- Mosley, A. 'John Chamber' forthcoming in *New Dictionary of National Biography*, Oxford 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*, forthcoming in *Studies in History and Philosophy of Science*

Lectures and Conferences

November 2000

- Mosley, A. 'Astronomical Transactions: Communication and collaboration prior to Oldenburg', Division of History & Philosophy of Science, School of Philosophy, University of Leeds

January 2001

- Mosley, A. 'Tycho Brahe's Epistolae astronomicae: A reappraisal', History of Science Workshop, Department of History and Philosophy of Science, University of Cambridge

May 2001

- Mosley, A. 'Before Prague: Tycho Brahe and the Resources of Central Europe', Forum on Early-Modern Europe, The Warburg Institute

September 2001

- Mosley, A. 'The Philosopher at Play? Kepler as a Humourist', Cambridge Society for Neo-Latin Studies Annual Symposium 'Latin Laughter: Humour in Neo-Latin Literature from Poggio to the Present', Clare College, Cambridge

MICHAEL REDHEAD

Publications

Articles in journals

- Redhead, M.L.G. and J. Melia, 'On a purported local extension of the quantum formalism', *Journal of Mathematical Physics*, 40 (2000) 4290-4295
- Redhead, M.L.G. and P. Teller, 'Is indistinguishability in quantum mechanics', *Foundations of Physics*, 30 (2000) 951-957

Reviews

- Redhead, M.L.G. Review of R. Penrose, *The Large, the Small and the Human Mind* in *The British Journal for the Philosophy of Science*, 51 (2000) 913-917

In Press

Articles in books

- Redhead, M.L.G. 'The intelligibility of the Universe' in A. O'Hear, (ed.) *Philosophy at the New Millennium*
- Redhead, M.L.G. 'Philosophy and particle physics' in J. Rigden (ed.) *Elementary Particle Physics*
- Redhead, M.L.G. 'The tangled story of the nonlocality issue in quantum mechanics', *Proceedings of the Fifth CTNS Vatican Observatory Conference on Quantum Mechanics and Quantum Field Theory*
- Redhead, M.L.G. 'The interpretation of gauge symmetry', *Proceedings of the 1999 Biofield Conference on Philosophical Aspects of Quantum Field Theory*

Reviews

- Redhead, M.L.G. Review of H. Knaght, *The Quantum Generations: A History of Physics in the Twentieth Century* in *Notes and Records of the Royal Society*
- Redhead, M.L.G. Review of S. Psillos, *Scientific Realism: How Science Tracks Truth* in *Metascience*
- Redhead, M.L.G. Review of L. Smolin, *The Roads to Quantum Gravity* in *The London Review of Books*

Lectures and Conferences

Chaired session at British Academy Symposium on Baye's Theorem
Redhead, M.L.G. 'Symmetry and surplus structure', Oxford Workshop on Symmetry
Redhead, M.L.G. and R. Schabji, 'The vacuum in Ancient Philosophy and Modern Physics', Gresham College
Redhead, M.L.G. 'The relation of mathematics to physics', Birkbeck College
Redhead, M.L.G. 'The Vacuum', BBC Radio 4 broadcast on the series *The Material World*
Redhead, M.L.G. 'The unseen world', Public Lecture, London School of Economics and Political Sciences

Honours

Fellowship of King's College, London (FKC)
Centennial Professor, LSE
Co-Director, Centre for Philosophy of Natural and Social Science, LSE

MARTIN RUDWICK

In Press

Articles in books

Rudwick, M.J.S. (2001) 'Kean-André de Luc and nature's chronology' in C.L.E. Lewis and S.J. Knell (eds.) *The Age of the Earth*, Geological Society of London, Special Publication

Lectures and Conferences

November 2000

Rudwick, M.J.S. 'Georges Cuvier's paper museum of fossil bones', Grant Lecture, Department of Biology, University College London

February 2001

Rudwick, M.J.S. 'Jean-André de Luc and nature's chronology', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

May 2001

Rudwick, M.J.S. 'La classification des sciences de la terre au dix-huitième siècle', Journées d'étude 'La géologie des Lumières', École des Hautes Études en Science Sociales, Paris

August 2001

Rudwick, M.J.S. 'The antiquity of man before *The Antiquity of Man*', Sommerakademie 'Human Origins', Max-Planck Institut für Wissenschaftsgeschichte, Berlin

COLIN RUSSELL

From 2000 to 2001, Professor Russell has been a Visiting Research Professor at the Open University.

Publications

Books

Russell, C.A. (2000) *Michael Faraday: physics and faith*, Oxford University Press, New York
Russell, C.A. (ed.) (2000) *Chemistry, society and environment: a new history of the British chemical industry*, Royal Society of Chemistry, Cambridge

Articles in books

Russell, C.A. (2000) 'Chemistry in society' in Nina Hall (ed.) *The new chemistry*, Cambridge University Press, 465-484
Russell, C.A. (2000) 'Chemical techniques in a pre-electronic age: the remarkable apparatus of Edward Frankland' in F. L. Holmes and T. H. Levere (eds.) *Instruments and experimentation in the history of chemistry*, MIT Press, Boston, 311-334

Russell, C.A. (2000) 'Conflict of science and religion' and 'Views of nature' in G. Ferngren (ed.) *History of science and religion: an encyclopedia*, Garland, New York, 12-16 and 38-44

Articles in journals

Russell, C.A. 'Where science and history meet: some fresh challenges to the Christian faith?', *Faith & Thought Bulletin*, No. 29 (2001), 7-20

Russell, C.A. 'Keeping it in the family' [Joliot-Curie], *Chem. Brit.*, **36** (9) (2000), 41-42

Russell, C.A. 'In the service of government' [Richard Phillips], *Chem. Brit.*, **37** (2), (2001) 44-46

Russell, C.A. 'From tetrahedra to thermodynamics' [van't Hoff], *Chem. Brit.*, **37** (6), (2001) 44-45

Russell, C.A. 'Where science meets technology', *Chem. Heritage*, **19** (2), (2001) 6-7, 39-44

Reviews

Russell, C.A. Review of R. I. McCallum, *Antimony in medical history: an account of the medical uses of antimony and its compounds since early times to the present* in *Notes & Rec. Roy. Soc.*, **54** (1), (2000), 115-6

Russell, C.A. Review of D. N. Livingstone, D. G. Hart and Mark A. Noll (eds.) *Evangelicals and Science in Historical Perspective in Albion*, **32** (no. 3), (2000) 514-516

In Press

Articles in books

Russell, C.A. 'Atoms, types and radicals: structures and theory in chemistry' in S. Petruccioli (ed.) *Storia della scienza*, Enciclopedia Italiana

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, Oxford

Articles in journals

Russell, C.A. 'The centrality of the "Chemical Revolution" for later industrial change', paper in *Industrial Archaeology Review*

Lectures and Conferences

October 2000

Russell, C.A. 'The chemical industry and pollution', Chemical Heritage Foundation, Philadelphia

November 2000

Russell, C.A. 'Objections to anaesthesia: the case of James Young Simpson', History of Anaesthesia Society, London

January 2001

Russell, C.A. 'Slaying the dragon: some myths that threaten modern science teaching', Association for Science Education Centenary Meeting, Guildford

July 2001

Russell, C.A. 'Learning the lessons: a historical review of communicating the relationship between science and theology', St. John's College, Durham

Russell, C.A. 'Faraday and theology', Institut für Wissenschaftsgeschichte, University of Göttingen

CHRISTINE F. SALAZAR

Dr Salazar is working freelance as General Editor for the Brill Neue Pauly (English edition of the Neue Pauly encyclopaedia of classical antiquity).

Publications

Reviews

Salazar, C. F., Review of M. del C. García Sola, *Galeno, Sobre los lugares afectados*, and D. Lara Nava, *Galeno, Sobre las facultades naturales. Sobre la constitución del arte medica. A Patrófilo*, in *Classical Review*, No. 50.2 (2000), 590f

Salazar, C. F., Review of M. Hanson, *Hippocrates On Head Wounds*, in *Classical Review*, No. 51.1 (2000), 159f

Salazar, C. F., Review of H. King, *Hippocrates' woman: reading the female body in ancient Greece*, in *Medical History*, No. 45.2 (2001) 307f

Salazar, C. F., Review of R. Masullo, *Filagrío Frammenti*, in *Classical Review*, No. 51.1 (2001), 164f
Salazar, C. F., Review of P. J. van der Eijk, *Ancient Histories of Medicine*, in *Classical Review*, No. 51.1 (2000), 97-9

In Press

Articles in journals

Salazar, C. F., 'Die Ohnmacht in der griechisch-römischen Medizin, insbesondere im traumatologisch-chirurgischen Umfeld', *Sudhoffs Archiv*

Reviews

Salazar, C. F., Review of E. M. Craik, *Hippocrates, Places in Man*, in *Classical Review*
Salazar, C. F., Review of A. D. Mauroudes, *Archigenes Philippou Apameus*, in *Classical Review*
Salazar, C. F., Review of C. Schulze, *Aulus Cornelius Celsus - Arzt oder Laie?*, in *Gnomon*

Lectures and Conferences

March 2001

Salazar, C. F., 'Military Medicine', residential weekend course for the Board of Continuing Education, University of Cambridge, Madingley Hall

MAX SATCHELL

Publications

Articles in journals

Satchell, M. 'Review of the Journal of William Dowsing: Iconoclasm in East Anglia During the Civil War', Suffolk Local History Council Newsletter, 62 (2001), 14-15

Lectures and Conferences

October 2000

Satchell, M. 'The hospitals of medieval East Anglia: The landscape perspective', Department of History and Philosophy of Science, University of Cambridge

April 2001

Satchell, M. 'Towards a landscape history of the rural hospital in Medieval England, 1100-1300', International Network for the History of Hospitals Conference, Verona

SIMON SCHAFFER

Publications

Articles in books

Schaffer, S. (2000) 'Object lessons', in S. Lindqvist (ed.), *Museums of Modern Science*, Science History Publications, 61-76
Schaffer, S. (2000) 'Modernity and metrology', in L. Guzzetti (ed.), *Science and Power: the Historical Foundations of Research Policies in Europe*, European Communities, Luxembourg, 71-91
Schaffer, S. (2001) 'James Clerk Maxwell', in P. Harman and S. Mitton (eds.), *Cambridge Scientific Minds*, Cambridge University Press, 123-140

Articles in journals

Schaffer, S. (2000) 'Fin de siècle, fin des sciences', *Réseaux* 18, No. 100, 215-248
Schaffer, S. (2000) 'Modèles normatifs et architecture navale dans un Etat militaro-fiscale', *Réseaux* 18, No. 102, 195-225
Schaffer, S. (2001) 'The disappearance of useful sciences', *Cambridge Anthropology*, 22, no. 1, 1-23
Schaffer, S. (2001) 'Le savant aux deux visages', *Cahiers de Science et Vie*, no. 62, 32-37

Lectures and Conferences

October 2000

Schaffer, S. 'The disappearance of useful sciences', Rivers Lecture, Department of Social Anthropology, University of Cambridge

December 2000

Schaffer, S. 'Laboratories ashore', Conference on Sciences in 1900, Institut Curie, Paris

January 2001

Schaffer, S. 'Archaeology, anthropology and the standardisation of the Raj', Social History Seminar, Christ's College Cambridge

Schaffer, S. 'Object lessons', Centre for Philosophy of Social and Natural Sciences, LSE

March 2001

Schaffer, S. Seminars on new prospects in history of science, Centre Koyré, Paris

Schaffer, S. 'Automata and utopia', Ecole des Ponts et Chaussées, Paris

May 2001

Schaffer, S. 'Automata', Joint MIT/Cambridge meeting, Faculty of History, University of Cambridge

June 2001

Schaffer, S. 'Scientific genius', Centre for Philosophy of Social and Natural Sciences, LSE

Schaffer, S. 'Stargazing and the astronomer's image', Picturing History Lecture Series, London

Schaffer, S. 'Hill stations and the reinvention of field work', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

July 2001

Schaffer, S. 'The scale of experiment', Summer Academy on Microhistory, European University at St Petersburg

September 2001

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

ANNE SECORD

In Press

Articles in journals

Secord, A. 'Botany on a plate: pleasure and the power of pictures in promoting early nineteenth-century scientific knowledge', *Isis*, 92 (December 2001)

Lectures and Conferences

November 2000

Secord, A. 'Artisan naturalists in north-west England', Department for Continuing Education, University of Oxford

July 2001

Secord, A. 'Samuel Smiles, Thomas Edward and the making of a working-class scientific hero', *Locating the Victorians* conference, Science Museum, London

JIM SECORD

Publications

Books

Secord, J. (2000) *Victorian Sensation: The Extraordinary Publication, Reception, and Secret Authorship of Vestiges of the Natural History of Creation*, University of Chicago Press

Articles in Books

Secord, J. (2000) 'Progress in print' in M. Frasca-Spada and N. Jardine (eds.) *Books and Sciences in History*, Cambridge University Press, 369-389

In Press

Articles in books

Secord, J. (2001) 'Monsters at the Crystal Palace' in S. de Chadarevian and N. Hopwood (eds.) *Displaying the Third Dimension: Models in the Sciences, Technology and Medicine*, Stanford University Press

Lectures and Conferences

December 2000

Secord, J. 'Monsters at the Crystal Palace: public morals and the Victorian spectacle of science', Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

May 2001

Secord, J. 'A brief history of the Royal School of Mines', opening address at 150th anniversary celebrations of founding of Royal School of Mines, Imperial College, London

Secord, J. 'Race, science and medicine', Cambridge/MIT Workshop, University of Cambridge

June 2001

Secord, J. 'Geological spectacles and the shows of London', History of Geology Group, Natural History Museum, London

July 2001

Secord, J. 'Evolution history and the history of reading', Conference on Locating the Victorians, Science Museum, London

RICHARD SERJEANTSON

Publications

Articles in books

Serjeantson, R. W. (2001), 'Thomas Farnaby', in E. A. Malone (ed.) *British Rhetoricians and Logicians, 1500-1660: First series*, Dictionary of Literary Biography 236, Gale, 108-16

In Press

Articles in books

Serjeantson, R. W. 'Natural knowledge in the *New Atlantis*', forthcoming in *Francis Bacon's 'New Atlantis'*, ed. by B. Price, Manchester University Press

Serjeantson, R. W. 'Meric Casaubon', forthcoming in the *New Dictionary of National Biography*, Oxford University Press

Articles in journals

Serjeantson, R. W. 'Herbert of Cherbury before Deism: the early reception of the *De veritat*', forthcoming in *The Seventeenth Century*

Serjeantson, R. W. 'The passions and animal language, 1540-1700', forthcoming in the *Journal of the History of Ideas*

Serjeantson, R. W. Review of Barbara J. Shapiro, *A Culture of Fact: England, 1550-1720* forthcoming in the *Journal of Ecclesiastical History*

Lectures and Conferences

November 2000

Serjeantson, R. W. 'The Passions and Animal Language, Cardano to Locke', University of Durham Early Modern Group

Serjeantson, R. W. 'Herbert of Cherbury before Deism', History of Philosophy Seminar, University of Cambridge

January 2001

Serjeantson, R. W. 'Medicine and the Works of Nature in Francis Bacon's *New Atlantis*', Early Medicine and Natural Philosophy Seminar, Department of History and Philosophy of Science, University of Cambridge

May 2001

Serjeantson, R. W. 'Natural Knowledge in Francis Bacon's *New Atlantis*', Seminar in Renaissance and Enlightenment History, Trinity College, University of Dublin

SUJIT SIVASUNDARAM

Sujit Sivasundaram has just about completed his doctoral thesis, 'Nature Speaks Theology: Colonialism, Cultivation, Conversion and the Pacific, 1795-1850.' As soon as he finishes he will take up a Research Fellowship in Class B, at Hughes Hall. He has also been appointed to a Temporary Lectureship and Visiting Fellowship in Science and Technology Studies at University College London for the academic year 2001-2. Much of the past year has been taken up applying for jobs. He has had a good run in all and is also on stand-by as First Reserve Candidate for the Past and Present Fellowship in History 2001. He was awarded the Holland Rose Prize 2000 for the Best Historical Essay at Christ's College, Cambridge.

In Press

Articles in books

Sivasundaram S. 'The Periodical as Barometer: Spiritual Measurement and the *Evangelical Magazine*' forthcoming in Geoffrey Cantor et. al (eds.) *Science Serialised: Representations of the Sciences in the Nineteenth Century Periodical Press*

Articles in journals

Sivasundaram S. 'Missionaries Through the Looking-Glass: Civilising Islanders, Cultivating Breadfruit and Collecting Souls' forthcoming in *History of Science*, Vol. 39, (2001)

Lectures and Conferences

November 2000

Sivasundaram S. 'Objects of this World: Missionaries, Museums and the South Pacific', History of Science Society, Annual Meeting, Vancouver, Canada

December 2000

Sivasundaram S. 'Missionaries Through the Looking Glass: Civilising Islanders, Cultivating Breadfruit and Collecting Souls', Texts and Travel Seminar, University of Oxford

January 2000

Sivasundaram S. 'Missionaries Through the Looking Glass: Civilising Islanders, Cultivating Breadfruit and Collecting Souls', Imperial History Research Seminar, Institute of Historical Research, University of London

March 2001

Sivasundaram S. 'Objects of this World: Science, Religion and the Separation of Man and Nature in the Pacific', Bodies of Knowledge Seminar, Unit of History of Science and Medicine, University of Canterbury, Kent

July 2001

Sivasundaram S. 'The Seed of the Soul: Natural Revolutions and Spiritual Regeneration', Locating the Victorians, A Conference Commemorating 150 Years Since the Great Exhibition and the Centenary of Queen Victoria's Death, The Science Museum, London

September 2001

Sivasundaram S. 'Mechanics, Martyrdom and Memory: Rev. John Williams, Man of Science, Ship-Builder and Missionary', Ships as Laboratories, Wellcome Institute for the History of Medicine, University of London

STEPHEN D. SNOBELEN

Dr Snobelen's PhD thesis 'William Whiston: natural philosopher, prophet, primitive Christian' was approved in December 2000. He continued in the second year of a Junior Research Fellowship at Clare College, Cambridge, and as an editor for the Newton Project (www.newtonproject.ic.ac.uk). He supervised for HPS Part IB (History of Science) and Part II (Natural Philosophy). In March 2001 he was appointed Assistant Professor of the History of Science and Technology, University of King's College, Halifax, Nova Scotia, Canada where he begins teaching in September 2001.

Publications

Articles in books

Snobelen, S.D. (2001) "'The mystery of this restitution of all things": Isaac Newton on the return of the Jews' in James E. Force and Richard H. Popkin (eds.) *The millenarian turn: millenarian contexts of science, politics, and everyday Anglo-American life in the seventeenth and eighteenth centuries*, Dordrecht: Kluwer, 95-118

Articles in journals

Snobelen, S.D. "'God of Gods, and Lord of Lords": the theology of Isaac Newton's General Scholium to the Principia', *Osiris* 16 (2001) 169-208

Snobelen, S.D. 'Of stones, men and angels: the competing myth of Isabelle Duncan's Pre-Adamite man (1860)', *Studies in the History and Philosophy of Biological and Biomedical Sciences* 32 (March 2001) 59-104

Reviews

Snobelen, S.D. 'Mathematicians, historians and Newton's Principia', essay review of Niccolò Guicciardini, 'Reading the Principia: the debate on Newton's mathematical methods for natural philosophy from 1687 to 1736' in *Annals of Science* 58 (January 2001) 75-84

In Press

Reviews

Snobelen, S.D. 'Socinianism, heresy and John Locke's Reasonableness of Christianity', essay review of John C. Higgins-Biddle (ed.) 'John Locke, The reasonableness of Christianity' in *Enlightenment and Dissent*

Snobelen, S.D. Review of Joseph M. Levine, *The autonomy of history: truth and method from Erasmus to Gibbon* in *Canadian Journal of History*

Snobelen, S.D. Review of R.H. Dalitz and M. Nauenberg (eds.) *The foundations of Newtonian scholarship in Isis*

Snobelen, S.D. Review of James E. Force and Richard H. Popkin (eds.) *Newton and religion: context, nature, and influence* in *The Journal of the History of Philosophy*

EMMA SPARY

Publications

Books

Spary, E. (2000) *Utopia's Garden: French Natural History from Old Regime to Revolution*, University of Chicago Press

Articles in books

Spary, E. (2000) 'Rococo readings of the book of nature' in M. Frasca Spada and N. Jardine (eds.) *Books and the Sciences in History*, Cambridge University Press, 255-275

In Press

Articles in books

Spary, E. and A. te Heesen (2001) 'Einleitung' in E. Spary and A. te Heesen (eds.) *Sammeln als Wissen*, Wallstein Verlag, 1-13

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

Lectures and Conferences

December 2000

Spary, E. 'The Body and Surgical Performance in Eighteenth-Century Surgery', Institut d'histoire de la médecine romande, Lausanne

February 2001

Spary, E. 'Self-Indulgence: Taste, Eating and Authority in Eighteenth-Century France', Department II, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

LIBA TAUB

Dr Taub was elected to the University Council in 2000. During the past academic year, she served as a member of the steering group which organised a survey of university collections in the south-eastern region of England (sponsored by the South Eastern Museums Service and Re:source) and has been an active participant in the Academic Heritage Project (Universeum), a network of European university museums. She is also serving on the steering group for the review of museum Designation and the Designation Challenge Fund.

Publications

Articles in books

Taub, L. (2000) 'Scientific Books, Libraries and Collectors; The Background: Ancient Science' in Andrew Hunter (ed.) *Thornton and Tully's Scientific Books, Libraries and Collectors*, Ashgate, 26-71

Taub, L. (2001) 'Astronomie et la mesure du temps' in *Pompei: nature, sciences et techniques*, Milan: Electa, 221-23 (French trans.)

In Press

Articles in books

Taub, L. 'The Destiny of Greek Science in the Middle Ages and Beyond: The Legacy and Longevity of the Instruments' in S. Settis (ed.) *I Greci*, vol 3, Einaudi

Taub, L. 'Ancient Meteorology: Astronomy and weather prediction in the Roman period' in Jürgen Renn, Peter Danilow, Helmuth Trischler, Anne-Maria Ciarallo and Paolo Galluzzi (eds.) *Homo Faber: Studies on nature, technology and science at the time of Pompei*, Deutsches Museum

Taub, L. 'Instruments of Alexandrian Astronomy: the uses of the equinoctial rings' in C. Tuplin (ed.) *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. Biography of Roger Long (1680-1770), *New Dictionary of National Biography*, Oxford University Press

Taub, L. Biography of Anthony Shepherd (1721-1796), *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

May 2001

Taub, L. 'Problems and Possibilities: Poetry and authority in Hellenistic meteorology', Classics Faculty Inter-Faculty Colloquium on 'Centre and Periphery in Hellenistic Culture'

Exhibitions

'discover' gallery opened at the Whipple Museum of the History of Science, June 2001

Contributor and consultant to a travelling exhibition on science and technology at ancient Pompeii, organised by the Archaeological Superintendent of Pompeii and Archaeological Museum of Naples: *Homo Faber: Nature and Science and Technology in Ancient Pompeii* (opened March 1999, Naples; October 1999, Los Angeles County Museum of Art, as Pompeii: Life in a Roman Town; March 2000, Deutsches Museum, Munich; April-July 2001, Palais de la Découverte, Paris)

DEBORAH THOM

In Press

Articles in books

Thom, D. 'The Healthy Citizen of Empire or a Juvenile Delinquent? Beating and Mental Health in England 1900-1960' in H. Marland and M. Gijswijt-Hofstra (eds.) *Child Health and National Fitness*, Wellcome Institute Series in the History of Medicine

Thom, D. 'Making gender and war spectacular in the Imperial War Museum' in Gail Braybon (ed.) *Rethinking the First World War*, Berghahn

Thom, D. Biographies of Dr. Emanuel Miller, Barbara Drake, Teresa Billington Grieg, Lady Hester Adrian, Mrs Cecil Chesterton and Lilian Barker, *New Dictionary of National Biography*, Oxford University Press

Lectures and Conferences

December 2000

Thom, D. Spoke on the history of Gender and History at the tenth anniversary conference of Clio Histoire, Femmes et Societies, Lyons, France

July 2001

Thom, D. 'Beating the Victorian boy – "a just measure of pain"?' , *Relocating the Victorians* conference, Science Museum, London

GERARD L'E. TURNER

Publications

Articles in books

Turner, G. L'E. (2000) 'A critique of the use of the first point of Aries in dating astrolabes' in M. Folkerts and R. Lorch (eds.) *Sic itur ad astra: Studien zur Geschichte der Mathematik und Naturwissenschaften. Festschrift für den Arabisten Paul Kunitzsch zum 70. Geburtstag*, Harrassowitz, 548-554

Turner, G. L'E. (2000) 'An inquiry into the imitation of scientific instruments' in P. de Clercq (ed.) *Scientific Instruments: Originals and Imitations. The Mensing Connection*, Museum Boerhaave, Leiden, 48-60

Articles in journals

Turner, G. L'E. 'The Government and the English optical glass industry, 1650-1850', *Annals of Science*, 57, 4 (October 2000) 399-414

In Press

Articles in books

Turner, G. L'E. (2001) 'Éduquer par la voie de l'expérience. Le XVIII^e siècle et l'émergence de la science populaire, de l'enseignement des science et de leurs instruments scientifique respectifs' in L. Peyenson and J.-F. Gauvin (eds.) *Sa Majesté la Science: La physique de salon de l'abbé Nollet*, Musée David M. Stewart, Montréal

Turner, G. L'E. (2001) 'Eighteenth-century instruments and their makers' in R. Porter (ed.) *The Eighteenth Century*, vol. 4 of The Cambridge History of Science, Cambridge University Press

Articles in journals

Turner, G. L'E. and K. Van Cleempoel, 'A Tudor astrolabe by Thomas Gemini and its relation to an astrological disc by Gerard Mercator of 1551', *The Antiquaries Journal*, 81 (2001)

Lectures and Conferences

February 2001

Turner, G. L'E. 'Scientific instruments as sources of historical and forensic evidence', The Society of Antiquaries of London

KARIN TYBJERG

Dr Tybjerg submitted her thesis *Doing Philosophy with Machines: Hero of Alexandria's Rhetoric of Mechanics in Relation to the Contemporary Philosophy* in October 2000. She took up the Moses and Mary Finley Research Fellowship at Darwin College in May 2001.

Lectures and Conferences

November 2000

Tybjerg, K. 'Wonder-making and the Rhetoric of Wonder in Hero of Alexandria', History of Science Society Annual Meeting, Vancouver

Tybjerg, K. 'Wonder-making and Philosophical Wonder in Hero of Alexandria', Historiography Reading Group, Department of History and Philosophy of Science, University of Cambridge

June 2001

Tybjerg, K. 'Doing Philosophy with Machines: Hero of Alexandria's Mechanical Treatises', Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge

Tybjerg, K. 'Hero of Alexandria's Mechanics', Max Planck Institut für Wissenschaftsgeschichte, Berlin

WEN-JI WANG

Publications

Books (Chinese translation)

Laplanche, Jean and J-B Pontalis (2000) *Vocabulaire de la psychanalyse*, trans. Chih-Chung Shen and Wen-Ji Wang, Taipei: Editions Flaneur

In Press

Articles in books

Wang, Wen-Ji. (2001) 'Introduction' in Henri Ellenberger, *The Discovery of the Unconscious*, trans. Shi-Kai Liu et al. Taipei: Yuan-Liou (in Chinese)

Lectures and conferences

November 2000

Wang, Wen-Ji. 'The Action of the Psychoanalyst: Between or Beyond Educational Psychotherapies and Experimental Psychology?', Psy Studies Seminar, Department of History and Philosophy of Science, University of Cambridge

PAUL WHITE

Publications

Books

White, P. et al. eds. (2001) *The Correspondence of Charles Darwin*, vol. 12, Cambridge University Press

In Press

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.) *Encounters: Transactions in Science and Culture in Victorian Britain*, Manchester University Press

Lectures and Conferences

November 2000

White, P. 'The display of feeling in late-Victorian life-science and medicine', Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

April 2001

White, P. 'The experimental animal in Victorian Britain', Conference on *Thinking with Animals: Anthropomorphism in Historical Perspective*, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

FRANCES WILLMOTH

Flamsteed Letters Project

With the aid of a grant received from the Isaac Newton Trust, the third volume of Flamsteed's letters has now been completed and delivered to the publisher (IOP Publishing, Bristol). Publication is expected in autumn 2001 and will be followed by the appearance of an electronic cumulative index to all three volumes, to be made available through the publisher's website. An exhibition celebrating the successful conclusion of this important project is shortly to be installed in the Whipple Museum, and an afternoon of seminars is planned for Thursday 22 November. The latter will be accompanied by a launch party for the volume, which will also provide an opportunity to thank the present Editor (Dr Frances Willmoth) and the various institutions and colleagues who have contributed to the project's success.

ELIE ZAHAR

Publications

Books

Zahar, E. G. (2000) *Essai d'épistémologie réaliste*, Vrin

Zahar, E. G. (2001) *Poincaré's Philosophy: From Conventionalism to Phenomenology*, Open Court

Articles in books

Zahar, E. G. (2000) 'Mathématiques applicables et arguments transcendants' in S. Chauvier (ed.) *La querelle des arguments transcendants*, Presses Universitaires de Caen, pp. 103-148

Articles in journals

Zahar, E. G. 'Kant, Poincaré und Schlick – Die Rolle der Mathematik in den empirischen Wissenschaften', *Logos*, 6 (4) pp. 275-318

Lectures and Conferences

November 2000

Zahar, E. G. Three Schlick lectures delivered in Rostock, at the invitation of the Philosophy Department, University of Rostock

Seminar Programmes 2000-01

Michaelmas Term 2000

DEPARTMENTAL SEMINARS

Seminars meet at 4.30 pm in Seminar Room 2 Free School Lane, on Thursdays, unless otherwise stated. There is tea beforehand in Seminar Room 1 at 4 pm. To add your name to the mailing list, contact the Departmental office on 01223 334500.

5 October: **Staff and Associates of HPS**

Research Methods Seminar part 1 (4pm, tea at 3.45)

1. Methods

Nick Jardine, *Introduction*; Peter Lipton, *Resources in philosophy*; Nick Hopwood, *Writing history*; Joanna Ball, *Libraries*; Liba Taub, *Instruments*; Soraya de Chadarevian, *Interviews*; Nick Jardine, *Historiography*; Patricia Fara, *Illustrations*; Jim Secord, *Sources*

12 October: **Staff and Associates of HPS**

Research Methods Seminar part 2 (4pm, tea at 3.45)

2. Topics

Jim Secord, *Introduction*; Lauren Kassell, *Medicine and magic*; Anjan Chakravartty and Tim Lewens, *Philosophy of the sciences*; Sujit Sivasundaram, *Science and empire*; Jim Endersby and Helen Macdonald, *History of natural history*; Marina Frasca-Spada, *History of philosophy*; Jim Secord, *History of the book and reading*; John Forrester, *History and philosophy of psychoanalysis*; Martin Kusch, *Science and technogloy studies*

19 October: **Adam Mosley (HPS)**

Astronomical Transactions: Communications and collaboration prior to Oldenburg

The importance of seventeenth-century developments in the communication of natural knowledge has long been recognised by historians. But the emphasis placed on communication facilitators such as Marin Mersenne and Henry Oldenburg, and on new arenas for collaboration such as the Royal Society, threatens to obscure the extent and nature of earlier 'scientific' communication. In this lecture, I shall explore some of the practices and institutions that enabled previous manifestations of the collective enterprise of natural-knowledge production, as well as their drawbacks. Taking my examples from the domain of late sixteenth-century astronomy, I shall argue that communities of practitioners can be detected even in the absence of societies.

26 October: **Steven Snobelen (HPS)**

'Like a Cat in an Air-Pump': recovering the culture of early eighteenth-century experimental lecturing

Through a range of sources, especially the still under-exploited newspaper and periodical press, it is possible to recreate the world of experimental lecturing in early eighteenth-century London. Not only were these popular courses and their spin-off texts largely responsible for the transmission of involved and abstract ideas in works like Newton's *Principia* to the wider public through demathematicized explanation and intuitive demonstration, but they were an important industry in their own right. I show how entrepreneurs of natural philosophy negotiated the pilgrimage from Oxbridge to the commercial metropolis and carved out not insubstantial incomes from lecturing and patronage. In doing so, I highlight their marketing strategies, as well as the competitive pressures that led to inter-lecturer derogation in the advertising columns and the collapse of less-viable courses. In addition, I use the available evidence to construct tentative class, economic and gender profiles of the audience for experiment. To fill out and balance my account, I also discuss alternative perspectives of experiment found in the oppositional literature, which was manifested through the vehicles of burlesque and satire. The partnership of former Lucasian professor William Whiston and instrument-maker Francis Hauksbee, Jr., who delivered experimental courses literally – but not necessarily figuratively – in the shadow of the Royal Society, forms a special case study.

2 November: **Neil Manson (King's)**

Epistemic Consciousness

It is widely held that a consciousness is a matter of its being like something to be in a mental state. I argue that there is a distinct epistemic notion of mental state consciousness, one which plays a role in indicating cases where our psychological explanatory practices come into conflict with certain deeply held assumptions about the epistemology of

mind. The epistemic and subjective experiential notions of consciousness derive from different lines of reflection upon what it is for a conscious subject to have, and to know, her mental states. The concept provides a resource for characterising our first-person knowledge of mind, without presupposing that self-knowledge always depends upon, or relates to, experiential consciousness in the same way for all types of mental states. It allows us to raise a range of explanatory questions about how the properties of mental states effect, block or contribute to self-knowledge, questions which might not surface if we solely focus on the knowing subject, rather than on the mental states which she might come to know, and it allows us to avoid the risk of misunderstanding claims made in psychoanalytic theory and empirical psychology about unconscious mind and the conscious/unconscious contrast.

9 November: **Paul Horwich (UCL)**

The Value of Truth

This talk will explore an apparent conflict between two plausible ideas. The first of these plausible ideas is that truth is valuable – one ‘ought’ (in some sense) to believe only what is true. The second idea is that truth is defined by the ‘equivalence’ schema, ‘The proposition that p is true if and only if p’. One might suppose (with Dummett, for example) that these views cannot both be right. For how can the equivalence schema be taken to fully capture our concept of truth, since it merely specifies when something would be true and says nothing about the desirability of truth. But I shall argue that this reasoning is fallacious and that both of the initially plausible ideas are in fact correct.

16 November: **Malcom Nicholson (Glasgow)**

Ian Donald’s Clinical Holism: ultrasound imaging, diagnostic practice and the anti-abortion debate

Holistic styles of thought and practice have attracted much attention recently, both from historians of medicine, notably Chris Lawrence, and from sociologists of science, notably Andy Pickering. Ian Donald was Regius Professor of Midwifery in Glasgow University (1954 – 1976). He led the team of clinicians and engineers who pioneered obstetric ultrasound. My paper explores several aspects of his discourse with a view to characterising it as clinical holism. The paper will look in detail at Donald’s medical discourse. An unusual feature of Donald’s holism is that it exists in an intimate relation to a particular medical technology. I will argue that the attraction of ultrasound imaging to Donald was partly that it allowed the fetus to be recognised as an individual. To Donald, the obstetrician was a generalist, with not one whole patient but two. Imaging technology also enhanced his ability to display diagnostic acumen at the bedside. Donald was a committed opponent of the termination of pregnancy for social reasons and a leading campaigner against the 1967 Abortion Act. In this campaign, he employed the fetal image as a powerful persuasive resource. Moreover, in Donald’s view, the obstetrician had to be concerned not only with mother and fetus but also with the moral, indeed the spiritual, welfare of society as a whole. Ironically, however, the net effect of the introduction of the ultrasound scanner was the rigorous imposition upon the fetus of a reductionist discrimination between the normal and the pathological, which Donald found morally repugnant.

23 November: **Rachel Cooper (Bradford)**

A Mad Business

The Diagnostic and Statistical Manual of Mental Disorders (DSM) is the official classification of mental disorders used by American psychiatrists. The DSM is used for a wide variety of purposes: Patients seeking psychiatric treatment require a DSM diagnosis before their insurance company will consider reimbursing the cost. Pharmaceutical companies market drugs as being for the treatment of particular DSM disorders. Researchers use DSM criteria in an attempt to select homogeneous subject populations for psychiatric research. The DSM is intended to be a scientific classification system, and its categories are intended to reflect the different types of disorder that actually afflict patients. In the first half of this paper, however, I argue that pressures stemming from the ways in which it is used can feedback and affect the DSM, and show how the DSM has been shaped by its use by the medical insurance and pharmaceutical industries. This raises a host of questions: Does such feedback always occur in applied science? Is it necessarily a bad thing? And, if so, how might it be prevented? These questions are addressed by the philosophical account of feedback in applied science presented in the second half of the paper.

30 November: **Alvin Goldman (University of Arizona)**

Experts: Which Ones Should You Trust?

You are a novice who hears conflicting testimony from two experts. What evidence can you get, while remaining a novice, to decide which of the two rivals deserves more credence? Several sources of evidence are considered, including the ways they argue, their credentials, the degree to which other putative experts agree with them, their ‘interests’, and their past track records. Particular attention is given to a probabilistic analysis of the relevance of agreement among experts.

EARLY MEDICINE AND NATURAL PHILOSOPHY SEMINAR

Medicine and Religion

- 17 October: **Max Satchell (Suffolk Archaeology Service)**
The Medieval Hospitals of East Anglia: A Landscape Perspective
- 30 October (Monday): **Tabitha van Nouhuys, (Magdalen College, Oxford)**
Cornelius Gemma and the Body Politic *PLEASE NOTE THE CHANGE OF DAY*
- 14 November: **David S. Katz (Tel Aviv University)**
Aestheticizing Scripture; Anaesthetising Revolution: The Damping Down of Millenaianism in Eighteenth-Century England
- 28 November: **Charles Webster (All Souls' College, Oxford)**
The Search for System in the earliest writings of Paracelsus

Seminars will be held fortnightly on Tuesdays at 5pm in Seminar Room 1 at the Department of History and Philosophy of Science, Free School Lane, Cambridge, except for the meeting on 30 October (Monday). Tea is served before each seminar at 4:30 pm in the Department. Organised by Dr. Lauren Kassell, ltk21@hermes.cam.ac.uk

CABINET OF NATURAL HISTORY

- 9 October: **Kate Bennett (University of Cambridge)**
The Kidney, the Barbary Lion and the Mummified Bishop: John Aubrey and the Cabinet of Curiosities
- 16 October: **Jim Endersby (HPS)**
'The Realm of Hard Evidence': novelty, persuasion and collaboration in botanical cladistics
- 23 October: **Anke te Hessen (Max-Planck Institute)** Boxes in Nature. Followed at 2:15 by the **Annual Cabinet of Natural History Fungus Hunt**, led by Nick Jardine. (Those wishing to come should sign up on the Departmental noticeboard)
- 30 October: **Zuzana Parusnikova (Institute of Philosophy, Academy of Sciences of the Czech Republic)**
Alternative vs. Allopathic Medicine
- 6 November: **Ruth Barton**
Haast and the Moa: a scientific career and international reputation in colonial New Zealand
- 13 November: **Lisbet Koerner**
Shaping the Edifice of Natural History: Folk and Tribal Intermediaries in Eighteenth Century Voyages of Discovery
- 20 November: **Claire Preston (University of Cambridge)**
Sir Thomas Browne's Hidden Museums
- 27 November: **John van Wyhe (Department of History)**
Spurzheim: co-founder of phrenology or plagiarist?

All meetings — apart from the Fungus Hunt — take place from 1- 2.15pm on Mondays in Seminar Room 1, Department of History and Philosophy of Science. Feel free to bring lunch with you. For further details, contact Helen Macdonald hjm29@hermes.cam.ac.uk

PSY STUDIES SEMINAR

- 18 Oct: **Prof. Graham Richards, Centre for History of Psychology, Staffordshire University**
Oedipus over the Soup: The Forgotten Pschoanalysis Craze in Britain in the 1920s
- 1 Nov: **Mr Wen-Ji Wang, Dept of History and Philosophy of Science**
The Action of the Psychoanalyst: Educational Psychotherapies
- 15 Nov: **Dr Neil Manson, King's College**
Psychological Explanation and First Person Authority: Is Repression an Artefact?
- 29 Nov: **Mr Chris Turner, London Consortium, University of London**
Civilization and its Excrements: Disgust and the Origins of Culture

All Seminars take place on Wednesdays, alternating with the Seminar Series of **Psychoanalysis and the Humanities**. Each starts at 5.00 in Seminar Room 1, Dept of History and Philosophy of Science, Free School Lane, Cambridge CB2 3RH; tea is served before the Seminar at 4.40. ALL WELCOME. Organised by John Forrester and Deborah Thom. Those who wish to be placed on the mailing list should contact the Departmental Office, 334500; Email: hps-admin@lists.cam.ac.uk.

EPISTEMOLOGY READING GROUP

We will be reading articles from *Selected Philosophical Essays* by Carl Hempel. The book should be available in paperback in the philosophy section at the Sidney Street branch of Waterstone's (formerly known as Dillons), 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.

- 5 October 'The Vienna Circle and the Metamorphoses of Its Empiricism'
- 12 October 'The Problem of Truth', secs. I, II
- 19 October 'The Problem of Truth', secs. III, IV
- 26 October 'The Irrelevance of the Concept of Truth for the Critical Appraisal of Scientific Theories'
- 2 November 'The Logical Analysis of Psychology'
- 9 November 'Schlick and Neurath: Foundation vs. Coherence in Scientific Knowledge'
- 16 November 'On the Cognitive Status and the Rationale of Scientific Methodology'
- 23 November 'Provisos: A Problem Concerning the Inferential Function of Scientific Theories'

Meetings will take place on **Thursdays at 2.00 pm** in Seminar Room One of the HPS Department and are open to all.

Organised by Peter Lipton Peter.Lipton@Kings.cam.ac.uk

CAMBRIDGE HISTORIOGRAPHY GROUP

18 October: **Nick Jardine (HPS)**

Discussion of his 'Koyré's Intellectual Revolution' (in press in the *Lettre de la Maison Française d'Oxford*) and his 'Koyré's Kepler/Kepler's Koyré' (in press in *History of Science*)

1 November: **Cathy Gere (HPS)**

Discussion of her 'The birth of tragedy: Friedrich Nietzsche and archaeological modernism'

15 November: **Karin Tyberg (HPS)**

Discussion of her 'Wonder-making and Philosophical Wonder in Hero of Alexandria'

29 November: **Sujit Sivasundaram** will lead a discussion of science and empire: readings to be announced

The meetings are held on Wednesdays at 8pm in the Seminar Room, Darwin College. Copies of all the documents will be placed in Box File 30 in the Whipple Library, Department of HPS. (Please don't take them out of the Library!)

Organising Committee: Dr Serafina Cuomo, Imperial College London, email sc134@cus.cam.ac.uk; Dr Marina Frasca-Spada, HPS and Newnham College, email: mfs10@cam.ac.uk; Professor Nick Jardine, HPS, email: nj103@cus.cam.ac.uk

HISTORY OF MODERN MEDICINE AND BIOLOGY

10 October: **Steve Sturdy (University of Edinburgh)**

Clinical science, Edinburgh style: Laboratories and medical practice in the early twentieth century

24 October: **Cornelie Osborne (Roehampton Institute)**

Abortion in Weimar Germany: The view from below

7 November: **Kelly Loughlin (LSHTM)**

Mediating Medicine: Doctors, journalists and the reporting of health and medicine in postwar Britain

21 November: **Helen Blackman (University of Manchester)**

Degeneration and recuperation: Theories of the menstrual cycle in the 1890s

Seminars will be held fortnightly on Tuesdays at 5.00 p.m. in Seminary Room 1, Department of History and Philosophy of Science, Free School Lane, Cambridge CB2 3RH. Tea is available from 4.30 p.m. All welcome! Organised by Nick Hopwood and Harmke Kamminga .

MEDIEVAL SCIENCES READING GROUP

We will be reading William Ockham's *Predestination, God's Foreknowledge, and Future Contingents*, in the translation by Adams and Kretzmann. 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. Everyone is welcome, and welcome to bring their lunch.

The text is short (pages 34 to 79 of the translation) but dense. The first session will discuss Question I, and the topic for later sessions will be determined as the term progresses and we know how much material we have covered. Further information is available from Adam Mosley (ajm1006@cus.cam.ac.uk). Organised by Sachiko Kusakawa, John Marenbon, and David Chart

PHILOSOPHY OF PHYSICS READING GROUP

We meet on a fortnightly basis on Fridays at 2 pm - the first (brief) meeting is on Friday 6 October. At this meeting we will discuss which materials we will cover this term. Organised by Katinka Ridderbos tmr23@cus.cam.ac.uk

PSYCHOANALYSIS AND THE HUMANITIES

All Seminars take place on Wednesdays, alternating with the Seminar Series of **Psy Studies: History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences**. Each starts at 5.00 in Seminar Room 1, Dept of History and Philosophy of Science, Free School Lane, Cambridge, CB2 3RH; tea is served before the seminar at 4.40.

11 Oct: **Drew Milne, Faculty of English**

Making an example of cosmopolitanism: Zizek's *The Ticklish Subject*

25 Oct: **Luke Thurston, Robinson College**

Psychoanalytic Heresy and Literary Institutions

8 Nov: **John Forrester, Dept of History and Philosophy of Science**

Psychoanalysis and Privacy

22 Nov: **Julian Patrick, University of Toronto**

The Question of Representability: *Hamlet* and *The Interpretation of Dreams*

Organised by Maud Ellman and Mary Jacobus

SCIENCE AND LITERATURE READING GROUP

This is a new group intended to develop interdisciplinary contacts between anyone interested in the relationships between science and literature; everyone is welcome as are suggestions for future reading programs. We will meet from 8.00 to 10.00pm in the upstairs seminar room at Darwin College (to be followed by a drink in the bar).

Bodies and machines: the limits of the human

10 October: Man a machine? We will be reading Julien Offray de La Mettrie's *Man a machine (L'homme machine)*

(copies in the Whipple Library [F.14] and in several college/faculty libraries) and Heinrich von Kleist's *The Marionette Theatre* (in Michel Feher, ed., *Fragments for a History of the Human Body*. Copies in the Whipple Library [W.791] and in several college/faculty libraries).

24 October: The perfect woman We will be reading extracts from Villiers de L'Isle-Adam's *Tomorrow's Eve* (Copies in the UL 738:4.c.95.92). (This is hard to find, so photocopied extracts will be available for a small charge at the first meeting or from Jim Endersby.)

7 November: The Rise of the Robots We will be watching part of Fritz Lang's movie *Metropolis*, reading E.M. Forster's short story, 'The Machine Stops' and perhaps Karel Capek's play 'R.U.R.' (copies in the English Faculty Library and several college libraries).

21 November: Resistance is Futile! We will be watching selections from the TV series *Star Trek: the Next Generation* (episodes featuring the fearsome Borg) and from the Star Trek movie *First Contact* (videos available from Blockbuster and other video outlets), and reading Donna Haraway's 'Cyborg Manifesto' (in her collection, *Simians, cyborgs, and women: the re-invention of nature*. Copies in the Whipple Library [W.543] and many college/faculty libraries.)

Organised by Jim Endersby, email jje21@cam.ac.uk for more information.

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 email 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 will take place every other Wednesday at 1:00p.m. in Seminar Room One of the HPS Department, and are open to all researchers.

For more information or to add your name to the list of email recipients, contact Anandi Hattiangadi (hh228@hermes.cam.ac.uk), or Martin Kusch (mphk2@cus.cam.ac.uk).

SPECIAL LECTURE

Monday 20 November 2000

The Failure of Naturalised Epistemology

Joe Cruz (Williams College)

Tea at 4.00; talk at 4.30

The Lecture will be held in Seminar Room 2, Department of History and Philosophy of Science, Free School Lane, Cambridge.

Hosted by Peter Lipton

SPECIAL SEMINAR

Sunday 12 November 2000, 8pm

Obligations, Judgment, and Data: Reflections on the Science and Politics of the Baltimore Case

Professor Daniel J. Kevles (California Institute of Technology)

The Department is normally closed on weekends, but will open at 7.30 p.m. for this Special Seminar, which will take place in Seminar Room 1, Dept of History and Philosophy of Science, Free School Lane, Cambridge CB2 3RH. Those who wish to be placed on or be removed from the mailing list should contact HPS Departmental Office, 334500 or E-mail: hps-admin@lists.cam.ac.uk

Lent Term 2001

DEPARTMENTAL SEMINARS

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

18 January: **Matthias Klaes (Keele University)**

Begriffsgeschichte: Between the Scylla of conceptual history of economics and the Charybdis of institutional history of economics

The history of economics, seen as a discipline, has largely developed independently from the history of science in general. Many historians of economics understand themselves as practising economists, with a deep commitment to defending their field as an essential part of the discipline of economics. Even so, the history of economics has gradually disappeared from the economic curriculum, as have posts for historians of economics from staff lists of economics departments. Faced with this situation, some historians of economics have argued for forging closer links with historians of science and the science studies community. This has led to debates about where and how the history of economics should be practised. Conceptual historians continue to engage in forms of rational reconstruction, aimed at practising economists. Institutional historians, on the other hand, have begun targeting audiences outside economics departments. This paper explores the tension between these opposing views regarding the future of the history of economics in discussing an approach to conceptual history derived from the work of Reinhart Koselleck. Koselleck's *Begriffsgeschichte* seeks to establish conceptual history as a complement and necessary aide to social history. This perspective rests on a particular understanding of the role of concepts which stresses their role as co-ordinating signals that exhibit systematic ambiguity. The paper applies this approach to the history of the concept of transaction costs in economics, by tracing its emergence as a phenomenon of institutional growth. The gradual broadening of the concept in the course of its diffusion is captured by the compilation of a 'conceptual profile' over a twenty-five year period which serves as an illustration of the systematic ambiguity of Koselleckian concepts.

25 January: **Margaret Morrison (Toronto University)**

Models and Statistics: Pearson and Fisher on Mendelism and Biometry

In 1924 in a lecture at the London School of Economics R.A. Fisher remarked that in the early part of the twentieth century students of heredity in the UK were sharply divided by 'one of the most needless controversies in the history of science'. The reasons why this controversy between the Darwinian biometricians and the Mendelians occurred has been widely discussed in the literature. The debate has been reconstructed on historical, philosophical and sociological grounds and several accounts have been offered as to why Pearson rejected Mendelism, why he held steadfastly to biometric methods etc. Despite some rather lengthy analyses no explanation has been given offered as to why Fisher, who was also a proponent of biometric methods, was able to resolve the dispute. In this paper I attempt to uncover the methodological presuppositions implicit in the work of both Pearson and Fisher and recast the debate as one between these two actors rather than one between the Mendelians and biometricians as it is traditionally characterised. I argue that the differences that resulted in this 'needless controversy' can be traced to opposing views about how to model Mendelian populations, views that are embedded in the statistical foundations of biometry but about which Pearson and Fisher disagreed.

1 February: **Anandi Hattiangadi (University of Cambridge)**

What do you mean?

This paper introduces the problem of scepticism about meaning first presented by Saul Kripke in his influential elaboration of Wittgenstein's rule-following considerations. Kripke's sceptic challenges us to explain what it is for someone to understand the meaning of a word; what it is, for instance, for me to understand the literal meaning of the English word 'green'. Kripke argues that there is no adequate account of a person's understanding because no account can accommodate all the relevant facts about correctness. Since the word 'green' applies correctly to all and only green things, there is a potentially infinite number of circumstances in which 'green' is correctly applied. But how could anything about my lamentably finite mind possibly explain why 'green', as I understand it, applies correctly to all the green things in the universe, but to none of the non-green things? It is tempting to solve the problem by referring to the dispositions of the speaker. The idea is that what I mean by a word is a function of the circumstances under which I would use it. For instance, I am disposed to say that frogs and leprechauns are green, but not rubies. So, what I mean by 'green' can be read off of what I am disposed to do. This is a good starting point, but there are several problems with this type of solution. I will explore some of these problems, and conclude by sketching an improved dispositionalist answer to meaning scepticism.

8 February: **Gregory Fried (University of Cambridge)**

The metaphysics and epistemology of amusement

After arguing that humour is a suitable topic for philosophy - indeed, that it deserves quite a central place in the field - I shall propose that humour arises from playful deflation. This account does not suffer the faults of the standard views of humour, and is supported by truisms about humour, examples of humour, and thought experiments. I shall use the account to construct an epistemology of humour, according to which we can learn from humour in three ways. But, as I shall show, we should be wary of doing so: taking humour as a source of knowledge may lead us to accept claims without sufficient justification, and may even endanger our morals.

15 February: **Jenny Uglov (University of Warwick)**

On not being an island: working on the Lunar Society of Birmingham

This paper will discuss some difficulties I have encountered in writing a group biography of the members of the Lunar Society of Birmingham. It asks about the limitations, as well as benefits, of eighteenth century networks: the tension between co-operative research and individual pride, greed and possessiveness; the uneasy relationship between democratic 'Enlightenment' values and the commercial (and Romantic) ethos of ownership, competition, and 'originality'. This applies to their artistic ventures - Boulton's ormolu, Wedgwood's designs, Darwin's poetry - as well as to their scientific research and technical innovations. Further than that, it raises the question of the validity of the very notion of a 'group study': the paper is designed to encourage the responses of others who have encountered similar puzzles.

22 February: **Herman de Regt (University of Tilburg)**

The Scientist's Will to Believe

We take scientists to be persons that hold existential beliefs concerning unobservables. We also like to believe that these beliefs are rational. In this paper I examine the rationality of such scientific belief in the context of the debate between the scientific realist and the empiricist. I conclude that Van Fraassen's analysis of rational belief seems to redefine the issue in the realism-empiricism debate. For an ultimate argument the realist seems to be trapped into a kind of Pascalian Wager and since we generally do not accept Pascal's Wager as a good reason to believe in the existence of God, we are equally tempted to conclude that, in the end, the scientist has no good reason to believe in the existence of unobservables. Is the scientist's will to believe all that remains?

1 March: **Dan Charly Christensen (University of Roskilde)**

The strongest link: Hans Christian Ørsted, science and aesthetics

This paper asks why Romanticist science preferred to go dancing with aesthetics rather than being a skivvy of technology. Aiming at an understanding of the life and works of Hans Christian Ørsted (1777-1851), famous for his discovery of electromagnetism, I seek to dispute the established view of Ørsted as exclusively a scientist modelled according to positivist standards. In his own self-understanding, he was wrestling with the task of uniting science, aesthetics and religion into a coherent natural philosophy. How did this philosophy respond to his ambition of enlarging the institution of science in the learned republic?

8 March: **Graeme Gooday (University of Leeds)**

Irony and Magnetism: Marie Sklodowska Curie and the technologies of magnetic permanence

Marie Sklodowska's first research project in 1894-96 was a wide-ranging study of the magnetic properties of tempered steels. It was this industrially commissioned work that first brought her into contact with Pierre Curie, the premier magnetic experimentalist in Paris. And she first became known internationally by her conclusions on how to manufacture steel magnets that were reliably permanent: a major commercial problem for which no general theoretical or empirical solution had hitherto been identified. Yet biographers, most notably her daughter Eve, have said little about this work, focussing narrative attention instead on Marie's contemporaneous romance with Pierre. Historians of instruments have said even less, notwithstanding the longer-term importance of her research for the emergence of trustworthy permanent-magnet measuring devices. This in part reflects the gendered ambivalence among instrument makers in the late 1890s about the originality of her achievement.

Was it an unprecedentedly thorough and authoritative study of a long-standing engineering problem? Or was it merely a well-documented survey of techniques that had been known to instrument-makers for years, but on which they had been prudently reluctant to publish for reasons of trade secrecy? For Marie and her later advocates, such questions faded from view as she fashioned for herself a new identity as unworldly co-discoverer of radium. Nevertheless, this paper argues for important continuities between her study of steels and her subsequent, equally labour-intensive, researches on radioactive metals. More generally, it supplements the scholarship of Pycior, Boudia and Roque in exploring themes of

temporality, instability, and materiality in Curie's early work, locating these in the gender relations of the late nineteenth century electrical industry.

15 March: **David Turnbull (Deakin University)**

Cultural Encounters, Go-betweeners, and the Tense Topography of the Intercultural Zone

This paper explores the role of the go-between – someone who moves between knowledge traditions. It focuses primarily on examples from the encounter between the Australian Aborigines and the European colonialists: William Buckley, an English escaped convict who spent thirty-two years with the Aborigines in Victoria; King Bungaree, an Aborigine who circumnavigated Australia with Mathew Flinders; and Tupaia, a Tahitian who was the expedition leader on Cook's first voyage. The final section aims to draw some general conclusions about encounters between knowledge traditions both within science and in the wider culture.

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 4.40 pm. All welcome.

Organised by Professor Mary Jacobus and Dr Maud Ellmann

24 January: **Professor Rachel Bowlby (University of York)**

Never Done, Never to Return: Freud and Breuer's Hysteria

7 February: **Dr. Ato Quayson (Cambridge University)**

Symbolization Compulsions: Freud, African Literature, and South Africa's TRC

21 February: **Dr. Pam Thurschwell (University College, London)**

Psychoanalysis and Secretaries

7 March: **Adam Phillips (author and psychoanalyst)**

Against Inhibition

PSY STUDIES

History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

All seminars start at 5.00pm in Seminar Room 1, Dept of History and Philosophy of Science, Free School Lane, Cambridge; tea is served before the Seminar at 4.40. Organised by John Forrester and Deborah Thom.

31 January: **Dr Ivan Crozier (Wellcome Trust Centre for the History of Medicine, UCL)**

How doctors think about sex: thoughts on the history and sociology of the case study in medical writing about sex

14 February: **Håvard Nilsen (Department of History, University of Oslo)**

Science or psychosis? The Public Debate on Wilhelm Reich in Norway, 1934-39

28 February: **Andreas Mayer (Max Planck Institute for the History of Science, Berlin)**

From Introspective Hypnotism to Freud's Self-Analysis: Practices of Self-Observation in Experimental Cultures of the Unconscious

14 March: **Dr Chris Turner (London Consortium, University of London)**

Civilization and its Excrements: Disgust and the Origins of Culture

CABINET OF NATURAL HISTORY

All 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 Helen Macdonald (01223) 812796 hjm@hermes.cam.ac.uk

22 January: **Joe Cain (University College London)**

Making the most of failure: George Simpson & Venezuela in the 1930s

29 January: **Yun-Shun Chang (Department of Archaeology)**

John Britton (1771-1857): a vehicle for exploration into the foundation of County archaeological society museums in England

5 February: **Hjalmar Fors (University of Uppsala)**

The elective attractions in a group of eighteenth-century Swedish chemists

- 12 February: **Martin Rudwick (HPS)**
Jean-André de Luc, 'nature's chronology' and the understanding of Genesis around 1800
- 19 February: **Susan Miller (University of Pennsylvania)**
An evolutionary tale of girls and snails: The Gulick family, Achatinellidae, and the Camp Fire Girls
- 26 February: **Markman Ellis (Queen Mary and Westfield College)**
An uncommon curious animal: the Kangaroo and the rhetoric of wonder in the late-eighteenth century
- 5 March: **Don Opitz (University of Minnesota)**
'Behind folding shutters': naturalizing at the country house after the professional turn, 1870-1900
- 12 March: **Terry Kelley (University of Wisconsin, Madison)**
'Wild Orchids': cultural and literary consequences of orchid exploration and nomenclature in the early eighteenth century

PHILOSOPHY OF PHYSICS READING GROUP

We meet on a fortnightly basis on Fridays at 2 pm - the first meeting is on Friday 26 January. At this meeting we will discuss which materials we will cover this term. Organised by Katinka Ridderbos. Contact: 334555, e-mail: tnr23@cus.cam.ac.uk

HISTORY OF MODERN MEDICINE AND BIOLOGY

Seminars begin at 5.00pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane, Cambridge. Tea is available from 4.30pm. All welcome! Organised by Nick Hopwood.

- 23 January: **Ghislaine Lawrence (Science Museum)**
Perfect beds and robot nurses: Rational design and the NHS in the 1960s
- 6 February: **Hannah Landecker (MPIWG, Berlin)**
Cellular features: Biology and cinematography
- 20 February: **Paul Weindling (Oxford Brookes University)**
Allied reactions to Nazi science and the origins of the Nuremberg Doctors Trial
- 6 March: **James Griesemer (University of California, Davis)**
Managing time and attention in model systems: Illustrations from the history of biology

EARLY MEDICINE AND NATURAL PHILOSOPHY

Medicine and Religion

Seminars will be held on Tuesdays at 5.00pm in Seminar Room 1, Department of History and Philosophy of Science, Free School Lane, Cambridge. Tea is served before each seminar at 4.30pm in the Department. Organised by Dr Lauren Kassell ltk21@hermes.cam.ac.uk

- 30 January: **Richard Serjeantson (Trinity College, Cambridge)**
Medicine and the Works of Nature in Francis Bacon's *New Atlantis*
- 13 February: **Harold Cook (University College, London)**
Body, Passions, and Soul: Dutch Materialism and the Secular State
- 27 February: **Joseph Ziegler (University of Haifa)**
The Rise of Physiognomic Thought 1200-1500 *or* Medicine and Immortality in Terrestrial Paradise
- 13 March: **Mark Jenner (University of York)**
Death, Decomposition and Dechristianization: Health and Church Burial in the Long Eighteenth Century

EPISTEMOLOGY READING GROUP

We will be reading articles from *Rorty and his Critics*, edited by Robert Brandom (Blackwell, 2000). The book should be available in paperback in the Philosophy section at the Sidney Street Waterstone's, and two copies are on reserve in the Whipple Library. Each meeting of the Group will focus on one article (plus Rorty's reply), with a member of the group offering a preliminary evaluation, followed by a general discussion. Meetings will take place on Thursdays at 2.00 pm in Seminar Room One of the HPS Department and are open to all.

Organised by Peter Lipton Peter.Lipton@kings.cam.ac.uk

18 January: Richard Rorty, 'Universality and Truth'
25 January: Jürgen Habermas, 'Richard Rorty's Pragmatic Turn'
1 February: Donald Davidson, 'Truth Rehabilitated'
8 February: Hilary Putnam, 'Richard Rorty on Reality and Justification'
15 February: Daniel Dennett, 'The Case for Rorts'
22 February: John McDowell, 'Towards Rehabilitating Objectivity'
1 March: Jacques Bouveresse, 'Reading Rorty: Pragmatism and its Consequences'
8 March: Robert Brandom, 'Vocabularies of Pragmatism: Synthesizing Naturalism and Historicism'

HISTORY OF SCIENCE WORKSHOP

The History of Science Workshop (formerly Cambridge Historiography Group) 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. It aims to provide an informal arena for the exchange of ideas among historians of science. We will meet fortnightly on Wednesdays at 1pm in Seminar Room 1, Department of History and Philosophy of Science. Speakers' papers will be made available for reading beforehand in the Whipple library. Tea and biscuits will be provided and you are welcome to bring your own lunch. Everybody welcome.

Please contact Jenny Downes (jdd26@cam.ac.uk, tel 07771 664169) for further details or to submit a paper.

17 January: **Adam Mosley**
Tycho Brahe's *Epistolae Astronomicae*, A Reappraisal
31 January: **Susan Gamble**
Free and 3D: how the hologram escaped military confinement
14 February: **Jenny Downes**
The past is a foreign country: reflections on anachronism in the history of science
28 February: **Karen Hangland**
(title of paper to be decided)

MEDIEVAL SCIENCE & PHILOSOPHY READING GROUP

We will be reading Discourse I of Marsilius of Padua's *Defensor Pacis*, in the translation by Alan Gewirth. 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. The text is available as a relatively inexpensive paperback, in the Medieval Academy Reprints for Teaching series. Everyone is welcome, and welcome to bring their lunch. Further information is available from David Chart dc132@cam.ac.uk

8 January: Chapters I-III (pp 1-12) General Principles
25 January: Chapters IV-VII (pp 12-26) The Parts of the State
1 February: Chapters VIII-XI (pp 26-44) The Establishment of States and the Need for Law
8 February: Chapters XII & XIII (pp 45-55) The Enactment of Laws
15 February: Chapters XIV & XV (pp 56-67) The Qualities and Election of the Ruler
22 February: Chapter XVI (pp 68-80) Hereditary Succession
1 March: Chapters XVII & XVIII (pp 80-89) The Singularity of the Ruler
8 March: Chapter XIX (pp 89-97) The Problem with Popes

EPACTS

EPACTS is a new seminar for the study of Early Physics, Astronomy, Cosmology and Technology. During the Lent Term we shall be looking at letters concerning these subjects (full programme to be arranged). Our meetings will be held fortnightly, on Wednesdays at 6 pm, in M4 New Court, Trinity College. Interested individuals are invited to contact either Adam Mosley ajm1006@cam.ac.uk or Jenny Downes jdd26@cam.ac.uk for further details. All are welcome!

SCIENCE AND LITERATURE READING GROUP

This is a new group intended to develop interdisciplinary contacts between anyone interested in the relationships between science and literature; everyone is welcome as are suggestions for future reading programs. We will meet on alternate Tuesdays, from 8.00 to 10.00pm, in the upstairs seminar room at Darwin College (to be followed by a drink in the bar). Organised by Jim Endersby. Call 01223-527 850 or e-mail jje21@cam.ac.uk for more information.

The theme for the Lent Term is **'Degeneration'**, a common one in much fin-de-siècle literature. Some background to the idea and its importance can be found in Daniel Pick's *Faces of Degeneration: A European Disorder, c.1848-1918* (1989, CUP) [Univ. Lib. 1993.9.2469], but there is no need to read this before attending the session.

6 February: Edwin Ray Lankester (1880) *Degeneration: a chapter in Darwinism* (extracts will be on reserve in the Whipple Library)

20 February: HG Wells (1896) *The Island of Doctor Moreau* (available in many cheap paperback editions, and in most College libraries) [Univ. Lib. 725:01.c.2.2]

6 March: Max Nordau (1892) *Degeneration* (extracts will be on reserve in the Whipple Library) [Univ. Lib. 232.c.91.11]

20 March: Bram Stoker (1897) *Dracula* (available in many cheap paperback editions, and in most College libraries) [Univ. Lib. 725:27.c.95.1397]

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 will take place every other Wednesday from 24 January (even weeks), at 1.00pm 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 Anandi Hattiangadi hh228@hermes.cam.ac.uk or Martin Kusch mphk2@cus.cam.ac.uk.

EVOLUTION READING GROUP

We will be reading *Alas, Poor Darwin: Arguments Against Evolutionary Psychology* edited by Hilary Rose and Stephen Rose (London: Jonathan Cape, 2000). The broad inter-disciplinary scope of these essays should provide the basis for a wide-ranging and stimulating series of discussions.

We will meet every other Tuesday evening from 8-10pm in Darwin College seminar room, starting on 30 January. Everyone is welcome. At each session one or two volunteers will present their thoughts on the readings as a starting point for further discussion. Organised by Dr Thomas Dixon (e-mail: tmd10@cam.ac.uk)

| | |
|-------------|----------------|
| 30 January | Chapters 1-4 |
| 13 February | Chapters 5-7 |
| 27 February | Chapters 8-11 |
| 13 March | Chapters 12-15 |

This is how the blurb on the cover describes it:

The claims of genetics and evolutionary psychology to explain and indeed legislate on the human condition have been loudly trumpeted in recent years in a host of popular books. Evolution is supposed to explain alleged human universals from male philandering and female coyness to children's dislike of spinach. ... It appears that Darwin, at least in the hands of his popularizers, has replaced Marx and Freud as the great interpreter of human existence.

In this provocative and groundbreaking book, Hilary Rose and Steven Rose have gathered together the leading critics of this fashionable ideology, from Britain and the United States, in a shared and perhaps uniquely cross-disciplinary project. Contributors range from biologists Stephen Jay Gould, Gabriel Dover, Patrick Bateson and Anne Fausto-Sterling, through anthropologists and sociologists Dorothy Nelkin, Tim Ingold, Tom Shakespeare and Ted Benton, to philosopher Mary Midgley and cultural critics Barbara Herrnstein Smith and Charles Jencks.

Find out more by buying the book and coming along! The book is available in Waterstones and Heffers (priced £17.99) and at a discounted rate at www.amazon.co.uk

Easter Term 2001

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.

26 April: **Professor Randall Collins (University of Pennsylvania and SPS, University of Cambridge)**
Sociology of Philosophies and its relation to Sociology of Scientific Knowledge

The shift from sociology of science (examining facilitating and biasing social conditions for science) to SSK (the social construction of scientific knowledge) can be pursued even more thoroughly in the sociology of the construction of philosophies. Philosophers can be studied as communities of intellectuals linked as networks: vertically from masters to pupils, horizontally among colleagues and rivals. Such networks are analysed in a comparison of ancient and medieval China and India, medieval and modern Japan, ancient Greece, medieval Islam and Judaism, medieval Christendom and modern Europe. Intellectual networks struggle over niches in an 'attention space' divided between three and six rival positions.

Material bases of intellectual production (churches, patronage, educational organisations, publishing markets, etc.) affect the construction of philosophies indirectly, as changes in material conditions destroy some network lineages and open opportunities for others. The result is an historical pattern of splits and alliances as strong positions factionate to take up more niches in attention space, while weak positions synthesize. Philosophies are further shaped by cumulative shifts in level of abstraction and reflexivity, which define the attention space on which each new round of factionalisation is carried out. The so-called 'scientific revolution' is a shift in some intellectual networks to a rapid-discovery mode; this can be explained by the interbreeding of human networks with lineages of research equipment modified from one generation to the next.

3 May: **Dr Alex Miller (University of Wales, Cardiff)**
The Naturalistic Fallacy: an open and shut case?

Moore's 'open-question' argument against definitional naturalist theories in ethics is widely held to fail. This talk will review some of the reasons for this and asks:

- Is there a version of the open-question argument which avoids the standard objections and yet still manages to pose a substantial challenge to definitional naturalism?
- Are there plausible arguments, in the spirit of the open-question argument, which undermine the claim that moral qualities are identical to natural properties as an *a posteriori* and synthetic matter?
- Traditionally, the open-question argument was commandeered by non-cognitivists in their attack on ethical cognitivism. But can an analogue of the open-question argument be used effectively against non-cognitivism itself?

10 May: **Dr J A Ruffner**
Newton's Theory of Comets: from 'projectile' to 'planet'

The erratic nature of comets convinced Kepler they must be ephemeral rocket-like bodies that move in lines which are straight or nearly so. Newton came to believe comets are a permanent kind of planet moving in highly eccentric ellipses without ever having established the periodicity of even one. That transformation was instrumental for the development of Newton's theory of universal gravitation and the completion of a widely heralded new system of the world. This presentation will review some of the major evidence, gaps, and unresolved issues in Newton's new cometography.

17 May: **Dr Sarah Jansen (Max Planck Institute, Berlin)**
Herring Census: debates on overfishing and the transfer of techniques from demography to animal ecology 1890-1940

The concept of population is not only a touchstone for the development of modern biology and medicine, it also contributed fundamentally to the culture, politics and economics of western and colonized nations since the end of the eighteenth century, when groups of people began to be conceptualised as populations. I propose that the concept was transferred to animals a century later, in the late nineteenth century, with the biology of fisheries inaugurating a development that eventually became constitutive of animal population biology. In the nineteenth century, particularly in Britain, the reasons for fluctuations in fishermen's catches were hotly debated. Resonating with debates on human 'overpopulation', 'overfishing' was advanced as a possible explanation of the observed fluctuations. Around 1900, movement came into the debate when fisheries biologists began to transfer concepts and techniques from demography to the study of animals. This transfer entailed methods to establish the boundaries of populations and to stratify the

populations into demographic units, a prerequisite for population regulation. The paper examines this transfer of conceptual and material techniques from demography to the biology of fisheries in 1890-1940, the techniques developed to study animals rather than humans, and the ways in which animal population ecologists referred to the human population sciences to support the shaping of their object and their field.

24 May: **Cathy Gere (HPS, University of Cambridge)**

Fakes and false memories: techniques of reconstruction in psychoanalysis and archaeology

Starting with an examination of Freud's famous archaeological metaphor for psychoanalysis, this paper will argue that an unheroic history of archaeology might provide some useful insights into psychoanalytic techniques of memory retrieval and reconstruction. The talk will take the form of a tour through a small museum of early twentieth century archaeological forgeries, replicas and reconstructions that resulted from the excavations of Freud's beloved Minoan Crete. The history of each object will be compared with an example from the history of Freudian psychoanalysis, in an attempt to use the entanglement of the two disciplines in the service of a critical interrogation of them both.

31 May: **Dr Jan Golinski (University of New Hampshire)**

Feeling under the weather: climatic susceptibility in eighteenth-century Britain

In this paper, I explore how ideas about the weather's influence on human health reflected an awareness of social and cultural change in eighteenth-century Britain. In this period, medical and scientific writers identified climatic susceptibility as an important cause of many diseases. A growing sensitivity to the qualities of the air was thought to be a sign of increased delicacy and politeness. Social change was also seen as creating new sources of corruption and luxury, increasing human susceptibility to atmospheric causes of disease. By the end of the century, political polarization around the issue of enlightenment itself had divided opinion over the degree to which the weather influenced human health and over the desirability of attempts to improve the quality of the atmosphere.

7 June: **Dr David Gooding (University of Bath)**

Now you see it, now you don't: observation and experiment in (the philosophy of) science

The talk will explore the implications for philosophy of science of the changing status of observation in the history of science, considering developments from the rise of experimental methods and the introduction of thought experiments in the sixteenth and seventeenth centuries to the impact of quantum theory and computer-based simulation methods in the twentieth.

14 June: **Dr Karin Tybjerg (HPS, University of Cambridge)**

Doing philosophy with machines: Hero of Alexandria's mechanical treatises

Hero of Alexandria flourished in the first century AD and wrote treatises on mechanics covering a huge range of topics from geometry and land measurement over catapult construction to pneumatic devices and automatic theatres. His treatises have, however, often been relegated to the role of providing historical evidence for the technological advancement of the Greeks and Romans. In this paper I argue that these texts must also be regarded as presenting a form of knowledge that stands in a competitive relationship with mathematics and philosophy. I approach Hero's treatises by analysing how he employs concepts that were central to philosophical debate to promote mechanics as a form of knowledge in its own right. I show how Hero redefines these concepts relative to the standard uses in philosophy as part of a persuasive strategy to present mechanics as a systematic form of knowledge that is on a par with, or even superior to, philosophy and Euclidean geometry.

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 Professor Mary Jacobus and Dr Maud Ellmann

2 May: **Professor Jacqueline Rose (Queen Mary College, University of London)**

On not being able to sleep: re-reading *The Interpretation of Dreams*

16 May: **Dr Ellis Hanson (Cornell University)**

Does queer theory have an unconscious?

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 and Deborah Thom.

9 May: **Emese Lafferton (Central European University, Budapest, and Wellcome Trust Centre for the History of Medicine, University College, London)**

Hysteria and hypnosis as ongoing processes of negotiation: Ilma's case from the Austro-Hungarian monarchy

23 May: **Prof. Anne Harrington (Institute for Advanced Studies, University of Bristol, and Program in History of Science, Harvard University)**

Love as medicine, loneliness as risk factor: stories and science from the recent history of mind-body medicine

6 June: **Prof. Evelyn Fox Keller (Program in Science, Technology and Society, Massachusetts Institute of Technology)**

Genes and developmental narratives

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 Helen Macdonald (tel: 01223 812796, e-mail: hjm29@hermes.cam.ac.uk)

30 April: **Jonathan Burt (University of Cambridge)**

The illumination of the animal kingdom: the role of light and electricity in animal representation

Tuesday 8 May: **Great Cabinet Expedition 2001: Picnic and tour of Chelsea Physic Garden**

See departmental noticeboard for details

14 May: **Clare Pettitt (Newnham College, University of Cambridge)** leads a discussion of Barbara T. Gates *Kindred Nature: Victorian and Edwardian Women Embrace the Living World* (Chicago University Press, 1998).

Copies on reserve in the Whipple Library

21 May: *No meeting*

28 May: **Sadiya Qureshi (HPS, University of Cambridge)**

Tipu's Tiger

4 June: **Simon Schaffer (HPS, University of Cambridge)**

Indian hill stations and the reinvention of fieldwork

11 June: **Cabinet of Natural History Garden Party** Speaker: Helen Macdonald; title to be announced

See departmental noticeboard for details

JOB TALKS

Job Talks will be held on Wednesday 2 May in Seminar Room 2 at the times listed below.

10.45am-1.00pm: **History of Modern Medicine & Biology Temporary Lectureship**

2.00pm-4.15pm: **Philosophy of Science Temporary Lectureship**

EPISTEMOLOGY READING GROUP

We will again be reading articles from *Rorty and his Critics*, edited by Robert Brandom (Blackwell, 2000). The book should be available in paperback in the Philosophy section at the Sidney Street Waterstone's, and two copies are on reserve in the Whipple Library. The first three meetings will focus on Rorty's earlier work: photocopies of the relevant

articles are available in the Whipple Library. Each meeting of the Group will focus on one article (plus Rorty's reply), 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 (e-mail: Peter.Lipton@kings.cam.ac.uk)

- 26 April: Richard Rorty, 'The World Well Lost' (Reprinted in *Consequences of Pragmatism*)
- 3 May: Richard Rorty, 'The Idea of a "Theory of Knowledge"' (Chap. III of *Philosophy and the Mirror of Nature*)
- 10 May: Richard Rorty, 'Epistemology and Empirical Psychology' (Chap. V of *Philosophy and the Mirror of Nature*)
- 17 May: Michael Williams, 'Epistemology and the Mirror of Nature'
- 24 May: Barry Allen, 'What was Epistemology?'
- 31 May: Akeel Bilgrami, 'Is Truth a Goal of Inquiry?: Rorty and Davidson on Truth'
- 7 June: James Conant, 'Freedom, Cruelty, and Truth: Rorty versus Orwell'
- 14 June: Bjorn Ramberg, 'Post-ontological Philosophy of Mind: Rorty versus Davidson'

EPACTS

EPACTS, the Early Physics, Astronomy, Cosmology and Technology Seminar, will meet twice during the first half of the term. Further meetings may be arranged subject to demand. We shall be reading and discussing the following texts:

- 2 May: Galileo's Letter to the Grand Duchess Christina. Available in translation in Stillman Drake's *Discoveries and Opinions of Galileo* (WL Q.46)
- 16 May: Flamsteed's letter to Viscount William Brouncker of November 24th, 1669. This letter 5 in volume I of Flamsteed's correspondence (WL U.414 A)

The first meeting of term will be held in **M4 New Court, Trinity College at 6 pm**. The venue of the second meeting is yet to be fixed. Organised by Adam Mosley (e-mail: ajm1006@cam.ac.uk).

EVOLUTION READING GROUP

We will be reading Charles Darwin's *The Expression of the Emotions in Man and Animals*, 3rd edition with Introduction and Commentaries by Paul Ekman (London: HarperCollins, 1998). First published in 1872, based on material originally intended to make up one chapter of the *Descent of Man*, the *Expression* was one of the first works of evolutionary psychology (and one of the first books to make use of photographic illustrations). The 1998 edition includes introduction and commentaries by Paul Ekman who has himself undertaken extensive research into pan-cultural emotional expressions. It should be a fascinating read for historians, philosophers, psychologists, anthropologists, Darwinians and evolutionists of all kinds.

We will meet **every other Wednesday evening from 8-10pm in Darwin College seminar room**, starting on 2 May. Everyone is welcome. At each session a member of the group will present a brief introduction to the readings as a starting point for further discussion.

- 2 May: Preface, Introduction, Chapters I-III
- 16 May: Chapters IV-VI
- 30 May: Chapters VII-XI
- 13 June: Chapters XII-XIV, Afterword

The book will be available on reserve in the Whipple Library of the HPS department, and (in paperback) in Heffers, and at a discounted rate at www.amazon.co.uk

Organised by Thomas Dixon (e-mail: tmd10@cam.ac.uk)

MEDIEVAL SCIENCE & PHILOSOPHY READING GROUP

We will be reading Peter Abelard on the problem of universals, from his *Logica 'ingredientibus'*, in the translation by P. V. Spade, published as part of *Five Texts on the Mediaeval Problem of Universals*. 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. The text is available as a relatively inexpensive paperback, from Hackett. Everyone is welcome, and welcome to bring their lunch.

For the first session, on April 26, we will be discussing the text by Boethius in the same volume, which sets out the problem. Further weeks will be concerned directly with Abelard's text.

Further information is available from David Chart (e-mail: dc132@cam.ac.uk)

UNIVERSITY OF CAMBRIDGE/MASSACHUSETTS INSTITUTE OF TECHNOLOGY WORKSHOP

This two-day workshop is part of a joint initiative between the History Faculty and the HPS Department in Cambridge, in collaboration with the MIT History Department and MIT Program in Science, Technology and Society. The aim is to develop a working relationship over the longer term, and funding has been provided under the auspices of the Cambridge-MIT Initiative (CMI). Anyone with interests in this field is welcome to attend.

The first day is focussed on the history of technological innovation; the second day explores areas of common interest through a series of paired papers.

Attention is also drawn to the Rausing Lecture (see back page for details).

Day 1 Cultures of Innovation

Sunday 20 May 2001, Seminar Room 3, History Faculty Building, Sidgwick Site

9.30am **Welcome**

10-11.30am **Roe Smith:** Two cultures of innovation in early industrial America

Adam Tooze and Christiano Ristuccia: Measures of modernity: devising a quantitative approach to the history of mass and speciality production, 1930-60

12-1.30pm **Pauline Maier:** What difference did the American Revolution make? Patents, corporations and the legislative encouragement of innovation

Jim Bamberg: Moving and shaking a culture-bound organisation: the reinvention of BP

2.30-4pm **David Mindell:** Automation's finest hour: managing military innovation in World War II

Jeremy Marwell: Cold war technologies: a case study of radar in Britain

4.30-6pm **JoAnne Yates:** Incremental user-based innovation in the face of radical technological innovation: life insurance and the transition to computing

Chris Beauchamp: Controlling companies: public and private in Britain's nineteenth century telephone service

Day 2 Science, Technology and Society

Monday 21 May 2001, Runcie Lecture Room, Faculty of Divinity, West Road

9.30am **Anne McCants and Lauren Kassell:** Caffeine and astrology

11.30am **Sherry Turkle and John Forrester:** Technology, psychoanalysis and identity

2.00pm **Evelyn Hammonds and Jim Secord:** Race, science and medicine

4.00pm **Jessica Riskin and Simon Schaffer:** Automata

5.30-6pm **Concluding discussion**

HISTORY OF SCIENCE WORKSHOP

The History of Science Workshop is a seminar group devoted to peer discussion of 'work in progress' on the history and historiography of science, for example PhD chapters, dissertations, or articles intended for publication. The seminar aims to provide an informal arena for the exchange of ideas among students of the history of science in HPS and elsewhere. We meet fortnightly on Wednesdays at 1pm (alternate weeks with the Philosophy Workshop) in Seminar Room 1, Department of History and Philosophy of Science. Tea and biscuits are provided and you are welcome to bring your own lunch. Please contact Jenny Downes (e-mail: jdd26@cam.ac.uk) for more information. Papers will be circulated by e-mail before the seminars and there will also be a copy for reading in box file 30 of the Whipple library.

2 May: **Hjalmar Fors:** Positioning C. W. Scheele in the community of eighteenth century chemists.

16 May: **Rob Ralley:** The 'Comminalte of all Phisicians and Cirurgeans, of London', 1423-4.

30 May: **Greta Petersen**: Sociology of Knowledge in Max Scheler's 'Der Genius des Krieges und der Deutsche Krieg' ('The Genius of the War and the German War')

13 June: **Kemal de Soysa**: Celestial Cartography in Restoration England: The background to an unusual silver celestial planisphere in the Whipple Museum (provisional title)

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 25 April 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 Anandi Hattiangadi (hh228@hermes.cam.ac.uk), or Martin Kusch (mphk2@cus.cam.ac.uk).

SCIENCE AND LITERATURE READING GROUP

Organised by Jim Endersby. Call 01223-527 850 or e-mail jje21@cam.ac.uk for more information.

Darwin and the Barnacle

This term Rebecca Stott, Reader in Victorian Literature and History at Anglia Polytechnic University, Cambridge, will be presenting four chapters from the manuscript of her forthcoming book *Darwin and the Barnacle* (to be published by Faber next year). Focussing on Darwin's eight-year barnacle research, the last major research project he undertook before writing *Origin of Species*, Rebecca's book is designed to appeal to general readers interested in Darwin, the history of evolutionary science and its broader cultural contexts. Whilst this book provides a detailed account of Darwin's barnacle work and its significance, with the story unfolding chronologically from chapter to chapter, it also weaves in a number of marginal stories involving other nineteenth-century writers and intellectuals including George Eliot, Charles Kingsley, Philip Gosse, Thomas Huxley and H.G. Wells, writers who shared Darwin's fascination with marine zoology.

In order to supplement the manuscript chapters, Rebecca will also provide photocopies of some of the primary source materials that she has been using. All the material will be available in photocopy form. If you would like to come to the discussions, please e-mail your name and address to Rebecca Stott (r.k.stott@anglia.ac.uk).

The group will meet fortnightly, on **Tuesday evenings at 8pm**, in the **upstairs seminar room at Darwin College**. The dates for this term's meetings will be: 7 May, 21 May, 5 June and 19 June.

THE SIXTH ANNUAL HANS RAUSING LECTURE

Roots and Routes: Living in a Technological World

Professor Rosalind H. Williams (The Massachusetts Institute of Technology)

4.30pm on Tuesday 22 May 2001 at The Old Labs, Newnham College, Cambridge

*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*