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The Department

Introduction

The Academic Year 2012 – 2013 has probably been one of our most eventful at HPS, as John Forrester steps down as Head of Department. In 2007, he was asked to take on the role after the sudden and sad death of Peter Lipton. It was a difficult challenge to lead the Department at such a turbulent time, but he succeeded and is now taking the rest he deserves. We welcome Jim Secord as our new Head and wish him all the best as he embarks on this new journey.

We also say goodbye to one of our most respected members of the Department: Eleanor Robson. Eleanor has been with us for nine years and has made a substantial contribution to HPS by lecturing on Paper 11, running the Graduate Training Seminars, acting as Senior Examiner and taking on the role of MPhil and Part III Manager. Her presence in the Department will be missed but we wish her luck with her future endeavours.

We held a Midsummer Garden Party at the Cambridge University Botanic Garden in June to celebrate both John and Eleanor and their time spent at HPS.



Eleanor's replacement, Richard Staley, will arrive in September from the University of Wisconsin-Madison where he is presently an Associate Professor. We look forward to welcoming Richard and hope he will settle well into his new role.

Eleanor is not the only person we said farewell to this year. Shirlene Badger, Alexi Baker, Marie-Francoise Besnier, Isla Fay, Vanessa Heggie, Elselijn Kingma and Nicky Reeves have all left the Department and we wish them well.

There were a number of people joining us this year including: Margaret Carlyle, Laura Dawes, Clare Griffin, Richard McKay, Valentina Pugliano and Andreas Sommer. We hope their time spent at HPS will be an enriching and enjoyable

experience. We should also mention the appointment of our PhD student Vashka dos Remedios as the Museum's Learning Co-ordinator.

Amongst our other PhDs, congratulations are given to Emily McTernan who was appointed to a permanent lectureship at the University College London; Michael Bycroft who has been offered a post-doctoral fellowship at the Max Planck Institute for the History of Science, Berlin; Caitlin Wylie who has accepted an appointment as a Postdoctoral Fellow at the Max Planck Institute for the History of Science, Berlin; and Jenny Bangham who has been appointed Research Scholar also at the Max Planck Institute for the History of Science in Berlin.

Our staff members have also had a successful year. Hannah Newton, whose book 'The Sick Child in Early Modern England' made the History Today/Longman Book of the Year shortlist; Salim Al-Gailani who was appointed Research and Teaching Associate in History of Modern Medical Science in the Department; and Tim Lewens and Lauren Kassell who have both been promoted to Professor and Reader respectively.

The Whipple Library has also had a busy year including a leak in its roof, which thanks to quick thinking staff, caused minimal damage. There was also the affiliation with the University Library, a process which began in August. These are just some of the items mentioned in the Library's informative annual report found on page 29.

One of the most notable events for the Whipple Museum has been the installation of their Globes Gallery due to open officially on 24 October 2013. This coupled with another successful year of outreach with a lot of positive feedback; 2012-13 has been a very good year for the Museum. The full report can be found on page 35.

With the many changes that have happened this year, it is impossible to see how the Department would not remain dynamic. We benefit from a rich, diverse culture of staff and students who contribute to the everyday life of HPS ensuring the pursuit of education, learning and research at the highest levels of excellence.

July 2013



John Forrester opens one of his gifts that he was given at the Midsummer Party

Staff and Affiliates

Administrative Staff

Tamara Hug
Agnieszka Lanucha
Louisa Russell
David Thompson

Computing Staff

Mark Rogers

Library Staff

Anna Jones
Agnieszka Lanucha
Dawn Moutrey

Museum Staff

Steven Kruse
Alison Smith
Claire Wallace
Vashka dos Remedios

Teaching Officers

Anna Alexandrova
Hasok Chang
Helen Curry
John Forrester
Nick Hopwood
Stephen John
Lauren Kassell
Tim Lewens
Eleanor Robson
Simon Schaffer
Jim Secord
Liba Taub

Research Fellows and Teaching Associates

Scott Anthony
Salim Al-Gailani
Shirlene Badger
Alexi Baker
Christina Benninghaus
Marie-Francoise Besnier
Adrian Boutel
Greta Van Buylaere
Chris Clarke
Andrew Cunningham
Rohan Deb Roy
Karin Ekholm
Isla Fay
Elizabeth Hannon
Mike Hawkins
Vanessa Heggie
Natalie Kaoukji
Elselijn Kingma
Tiago Mata

Richard McKay
Hannah Newton
Ruth Prince
Rob Ralley
Jennifer Rampling
Chitra Ramalingam
Nicky Reeves
Andrea Salter
Tomás Undurraga
John Young

Affiliated Lecturers & CTOs

Patricia Fara
Marina Frasca-Spada
Sachiko Kusakawa
Richard Serjeantson
Deborah Thom

College Fellows

Jonathon Birch
Jeremy Butterfield
David Feller
Peter Jones
Melanie Keene
Simon Mitton
Leon Rocha
Frances Willmoth

Emeritus Professors

German Berrios
Nick Jardine
Geoffrey Lloyd
Michael Redhead

Other UoC People who do HPS

Sara Baker
Nazim Bouatta
Michael Bravo
Angela Breitenbach
Adam Caulton
Tim Crane
Rebecca Fleming
Joel Isaac
Martin Johnson
Tony Lawson
David Leith
Lee Macdonald
Scott Mandelbrote
Peter Mandler
Alexander Marr
Francis Neary
Brian Pitts
Huw Price

Sujit Sivasundaram
David Sloan
Richard Smith
Emma Spary
Simon Szreter
Nic Teh

Affiliated Scholars

Jon Agar
Robert Anderson
Lisa Appignanesi
Debby Banham
Andrew Barry
Sanjoy Bhattacharya
Peter Bowler
Elma Brenner
Alex Broadbent
Kevin Brosnan
Janet Browne
Robert Bud
Tatjana Buklijas
Khadija Carroll La
Cristina Chimisso
Soraya de Chadarevian
Cristina Chimisso
Gloria Clifton
Alix Cohen
Peter Collins
Christopher Cullen
Silvia De Renzi
Katie Eagleton
Michael Edwards
Nader El-Bizri
Roger Gaskell
Sacha Golob
Jeremy Gray
Ole Grell
Philippa Hardman
Anne Harrington
Sonia Horn
Gill Hudson
Shelley Innes
Catherine Jami
Richard Jennings
Ludmilla Jordanova
Martin Kusch
Gerald Kutcher
Emese Lafferton
Elaine Leong
David Leith
Chris Lewis
Helen Macdonald
Lara Marks
Anita McConnell
Christina McLeish

Staff and Affiliates

Affiliated Scholars (continued)

James Moore
Adam Mosley
Ayesha Nathoo
Jaume Navarro
Onora O'Neill
John Parker
Alison Pearn
Sadiah Qureshi

Martin Rudwick
Colin Russell
Christine Salazar
Anne Secord
Alistair Sponsel
Mark Sprevak
Jacqueline Stedall
Rebecca Stott
Laurence Totelin
Martin Underwood

Andrew Wear
Rick Welch
Paul White
Sarah Wilmot
Daniel Wilson
Catherine Wilson
Lydia Wilson
Eli Zahar



Staff, PhD students and friends of the Department at the Midsummer Party in June

Visitors and Students

Visitors

Francisco López Cantos
Alexander Geppert
Theresa Hütter
Katherina Kinzel
Anna Lindemann
José Ramón Marcaida
Elisabeth Moreau
Simon Nightingale
Denise Pereira
Jakob Piehslinger
Kaz Shibata
Sally Stafford
Norikazu Takami
Silvana Veto
Iain Watts

PhD students

Leah Astbury
Shahar Avin
Alexandra Bacopolous-Viau
Jennifer Bangham
Megan Barford
Katy Barrett
Riana Betzler
Jonathan Birch
Shannon Bohle
Ramona Braun
Sophie Brockmann
Toby Bryant
Michael Bycroft
Andrew Buskell
William Carruthers
Sean Dyde
Sebastian Falk
Carl Fisher
James Hall
Ruth Horry
Stephen Irish
Allison Ksiazkiewicz
Magali Krasny
Katharina Kraus
Natalie Lawrence
Emily Mcernan
Iris Montero-Sobrevilla
Joshua Nall
Esther Momcilovic
Dmitriy Myelnikov
Jesse Olszynko-Gryn
Emma Perkins

Eoin Phillips
James Poskett
Emma Pyle
Vashka dos Remedios
Alix Rogers
Christophe Schinckus
Kathryn Schoefert
Arianne Shahvisi
Minwoo Seo
Katie Taylor
Christopher Wagner
Michelle Wallis
Sophie Waring
Thomas Welch
Billy Wheeler
Joeri Witteveen
Caitlin Wylie
Katharine Zimmerman
Lena Zuchowski

MPhil students

Marc Aidinoff
Feraz Azhar
Marine Bellego
April Cashin Garbutt
Anna De Bruyckere
Caitlin Doherty
David Dunning
Antoine Gallay
Eva Gillis-Buck
Pei-Hua Huang
Nora Hutchinson
Gregory Kennedy
Maria Marven
Rune Nyrup
Esther Odida
Benjamin Oseroff
Linda Ratschiller
Timothy Rees-Jones
Kristen Rieger
Sebastien Rivat
Daniel Strassfeld
Zena Ward

Part III students

Hamish Auld
Callum Fowers
Martha Henriques
Isabel Hughes
Oliver Marsh

Alexander McCracken
Nicholas Melgaard
Alistair Potts
Catherine Pulman
Nicholas Taylor
Anthony Woodman
Olivia Vane

Part II students

Edd Bankes
Matthew Benjamin
Clare Blackman
Katie Bouston
Jenny Bulstrode
Xue Chuang
Jonathon Dean
Fiona Duff
Mina Ghosh
Louis Gibson
Jaisal Gohil
Matthew Hay
Sophie Hughes
James Hynard
Jallali Millad
Jonathon Kram
Matthew Letts
Harriet Lloyd
Zakira Mohamed
Angus Morrison
Gemma Nash
Robert Norton
Eleanor Ogilvie
Tanjil Rashid
Thomas Rasmussen
Caroline Reid
Suki Ritchie
Max Roberts
Anna Robinson
Athiban Selvackadunco
Rishi Seth
Benjamin Sharples
Jessica Solomon
Helen Taylour
Alice Udale-Smith
Yasmin Walters
Owen Waugh
Maria Trejo Wester
Jessica Williams

Comings and Goings

Dr Shirlene Badger left us in November to take up the position of Senior Research Associate at the Cambridge Institute of Public Health

Dr Marie Françoise Besnier left the Department in December

Dr Margaret Carlyle joined the Department in July as a Postdoctoral Fellow

Dr Alexi Baker completed her successful tenure of a Postdoctoral Fellowship and has now joined CRASSH as a Mellon/Newton Postdoc

Dr Laura Dawes became our new Events and Outreach Officer on the Generation to Reproduction project

Dr Isla Fay moved on to working as a Careers Adviser at the University of East Anglia

Professor John Forrester stepped down as the Head of Department after six years

Dr Vanessa Heggie left the Department early in 2013 as she was appointed to a 5-Year University Fellowship at the University of Birmingham, which will be succeeded by a permanent position as Senior Lecturer

Dr Elselijn Kingma was welcomed back to the Department to take up a 2-year teaching and research position in January

Dr Richard McKay joined the Department in January as a Wellcome Research Fellow

Dr Valentina Pugliano came to the Department in the spring after being awarded a Wellcome Trust Research Fellowship for her project on 'Nature's Old Archipelagos: Medicine, Science, and Environment in the Venetian Levant, c.1450-1750'

Dr Nicky Reeves completed his successful tenure of a postdoctoral fellowship in August 2013 and has now been appointed to the post of Curator of Scientific and Medical History Collections at the Hunterian Museum in the University of Glasgow

Ms Vashka dos Remedios took on the role of Learning Co-ordinator in the Museum from January

Dr Eleanor Robson left the Department after nine years to work for UCL

Dr Andreas Sommer will be with us for one year as a Postdoctoral Research Fellow working to complete his book entitled "Psychical Research and the Origins of Modern Psychology" based on his PhD studies



Eleanor
Robson
and
Isla Fay at the
Midsummer
Garden Party

Roles and Responsibilities

Departmental Positions

Head of Department: Professor John Forrester

Administrative Officer: Ms Tamara Hug

Director of Graduate Studies: Dr Tim Lewens

MPhil and Part III Manager: Dr Eleanor Robson

Part II Manager: Professor Simon Schaffer

Part IB Manager: Dr Anna Alexandrova

Staff Development Officer: Professor John Forrester (academic staff) and Ms Tamara Hug (support staff)

Dignity Officer: Professor Hasok Chang (M, E) and Professor Liba Taub (L)

College Liaison Officer: Dr Anna Alexandrova

Chair Monitoring Committee: Professor Simon Schaffer

Graduate Training Officer: Dr Eleanor Robson

HPS Board and Degree Committee

Chair of the HPS Board and Degree Committee: Professor Simon Schaffer

Professors and Readers: Professor Hasok Chang, Professor Jim Secord, Professor Liba Taub, Professor Tim Lewens and Dr Lauren Kassell

Curator and Director of the Whipple Museum: Professor Liba Taub

Secretary of the Board and Secretary of the Degree Committee: Ms Tamara Hug

Librarian: Dr Anna Jones

General Board Members: Dr Peter Jones, Dr Isla Fay, Dr Sachiko Kusakawa and Dr Marina Frasca Spada

Co-options: Dr Helen Curry, Dr Anna Alexandrova, Dr Jeremy Butterfield, Dr Vanessa Heggie, Dr Stephen John

Elected Members: Professor Peter Mandler and Professor Huw Price

Junior Members: Undergraduates: James Hynard (Clare) and Benjamin Taylor (Corpus Christi) Graduate: Andrew Buskell (Clare Hall) and Esther Odida (Jesus)

Philosophy Faculty Board

HPS Representative: Dr Tim Lewens

Examiners

NST Part IB History and Philosophy of Science

Senior Examiner: Dr Stephen John

Examiners: Professor Tim Lewens, Professor Hasok Chang, Professor John Forrester, Dr Anna Alexandrova, Dr Natalie Kaoukji and Dr Helen Curry

NST Part II History and Philosophy of Science including BBS History and Ethics of Medicine

Senior Examiner: Dr Eleanor Robson

External Examiner: Dr Staffan Müller-Wille (University of Exeter)

Examiners: Dr Anna Alexandrova, Dr Rohan Deb-Roy, Dr Richard McKay, Dr Christopher Clarke, Dr Nicholas Postgate, Dr Isla Fay, Dr Chitra Ramalingam, Dr Salim Al Gailani, Dr Marina Frasca-Spada, Professor Nick Jardine and Professor Simon Schaffer

MPhil in History, Philosophy and Sociology of Science, Technology and Medicine

Senior Examiners: Professor Hasok Chang and Dr Anna Alexandrova

External Examiners: Serafina Cuomo

Prizes, Projects and Honours

Student Prizes

David Dunning was awarded the 16th Annual Jennifer Redhead Prize for the best performance in the essay component of the MPhil course.

Caitlin Doherty and **Zina Ward** received the 10th Annual Rausing Prize for the best performance in the dissertation component of the MPhil.

Athiban Selvackadunco and **Alice Udale-Smith** were awarded the 2013 Jacob Bronowski Prize for the best overall performance in the HPS Part II course.

Ben Sharples was awarded the Frances Willmoth Prize for the best performance in the dissertation component of the History and Philosophy of Science Part II course.

Anthony Woodman was the 2013 winner of the Peter Lipton Prize for the best overall performance in the History and Philosophy of Science Part III course.

New Research Projects

Perrott-Warrick and Cedar Creek Institute

‘Psychical Research and the Origins of Modern Psychology’, Andreas Sommer, 1 June 2013 to 31 May 2014.

Social Sciences and Humanities Research Council, Canada

‘Birthing Technologies in Enlightenment France, c. 1715-c1789’, Margaret Carlyle, 1 July 2013 to 30 June 2015.

Wellcome Trust

‘Nature’s Old Archipelagos: Medicine, Science, and Environment in the Venetian Levant, C1450-1750’, Valentina Pugliano, 1 May 2013 to 30 September 2013 extended to 31 October 2016

Seminars and Special Lectures

Wellcome Lecture

Dr Maaïke van der Lugt (Université Paris Diderot – Paris 7 / Institut Universitaire de France) delivered the Eighth Cambridge Wellcome Lecture in the History of Medicine on 17 January 2013 on ‘Generation: medieval debates about procreation, heredity and 'bioethics'’

Rausing Lecture

Professor Crosbie Smith from the University of Kent delivered the eighteenth Annual Hans Rausing Lecture in the Winstanley Lecture Theatre, Trinity College on the subject “Coal, steam and ships: Economic historians versus historians of technology?”

Seminars, Graduate Workshops, Reading and Discussion Groups, and Language Groups

Departmental Seminars in the Department of History and Philosophy of Science organised by Karin Ekholm (M) and Helen Curry (L, E)

Research Topics and Resources Seminars organised by Eleanor Robson and Tim Lewens

History of Medicine organised by Peter Jones, Hannah Newton, Salim Al-Gailani and Helen Curry

Cabinet of Natural History organised by James Hall

Twentieth Century Think Tank organised by Helen Curry

HPS History Workshop organised by Michael Bycroft and Francis Neary

HPS Philosophy Workshop organised by Vashka dos Remedios and Toby Bryant

Science and Literature Reading Group organised by Liz Smith, Esther Momcilovic and Daniel Friesner

History and Theory Reading Group organised by Eóin Phillips, Minwoo Seo, Megan Barford and Sean Dyde

Generation to Reproduction Reading Group organised by Nick Hopwood

Generation to Reproduction Seminars organised by Nick Hopwood and Lauren Kassell

Latin Therapy organised by Seb Falk

Greek Therapy organised by Liz Smith

Kant Reading Group organised by Katharina Kraus

AD HOC organised by Hasok Chang and Jenny Rampling

CamPoS (Cambridge Philosophy of Science) organised by Vashka dos Remedios, Huw Price, Jeremy Butterfield and Hasok Chang

Twentieth Century Reading Group organised by Dmitriy Myelnikov and Kathryn Schoefert

Calculating People: A History and Philosophy of Social Science Reading Group organised by Tiago Mata and Anna Alexandrova

Nature and Culture Reading Group organised by Beth Hannon and Tim Lewens

Things: Early Modern Material Cultures organised by Katy Barrett, Sophie Waring and others

Aims and Methods of Histories of the Sciences organised by Nick Jardine

Philosophy and History of Physics Reading Group organised by Hasok Chang, Simon Schaffer, Nazim Bouatta and Jeremy Butterfield

Field Notes: Histories of Archaeology and Anthropology organised by William Carruthers and others

Exploring Traditions: Sources for a Global History of Science organised by Simon Schaffer and Sujit Sivasundaram
CamPhor (Phenomenology) Reading Group organised by Andrew Buskell



José Ramón Marcaida, Nick Jardine, James Hall and others at the Cabinet Garden Party

Students

Student Statistics

Student Numbers

Undergraduates

Part IB	62
Part II	40
Part II BBS: History and Ethics of Medicine	22
Part III	12

Graduates

MPhil.....	19
PhD.....	50

Examination Results

Part II

1	7 (17.5%)
2i	29 (72.5%)
2ii	4 (10%)
3	0
Fail	0

Part II BBS: History and Ethics of Medicine

1.....	7(32%)
2i.....	11(50%)
2ii.....	2 (9%)
3.....	1(4.5%)
Fail.....	1 (4.5%)

Part IB

1	8
2i.....	27
2ii.....	21
3.....	2
Fail.....	0

Graduate Degrees Awarded

MPhil degrees awarded.....	19
Part III degrees awarded	11
PhD degrees award	13

Part II Essay and Dissertation Titles

Primary Source Essays

[Daniel Defoe,] *A Journal of the Plague Year*

- ‘There is more in men to admire than to despise’: compassion in *A Journal of the Plague Year* and Camus' *La Peste*
- ‘Twill be a sermon to you’: representing models of Christian deportment in *A Journal of the Plague Year*
- ‘This put it out of question to me, that the calamity was spread by infection’: competing explanations of the causes of plague and its treatments in *A Journal of the Plague Year*
- The use and generation of fear in plague fiction, primarily considering *A Journal of the Plague Year*
- Physicians and quacks in ‘*A Journal of the Plague Year*’
- ‘A snare laid for a poor man’: the depiction of quackery in ‘*A Journal of the Plague Year*’
- Faith, hope and charity in Defoe's *A Journal of the Plague Year* and Camus' *La Peste*
- The narrative voice in Defoe's *A Journal of the Plague Year* and Camus' *La Peste*
- Religious reactions to pestilence in *A Journal of the Plague Year*
- A true separation? A discussion of Daniel Defoe's portrayal of physicians and quacks in his ‘*A Journal of the Plague Year*’
- Do not ‘forge chains’: an exploration of the attributions of *A Journal of the Plague Year* and *Due Preparations for the Plague* to Daniel Defoe
- ‘A great many frightful stories’: the depiction of nurses in *A Journal of the Plague Year*, as compared with other practitioners
- ‘The misery of those families is not to be expressed’: attitudes to poverty and disease in ‘*A Journal of the Plague Year*’
- One plague, two visions: *A Journal of the Plague Year* and Samuel Pepys' *Diary*

The Board of Longitude: materials and documents

- John Bird's ‘The Method of Dividing Astronomical Instruments’ and the legacy of his hands
- Maskelyne's modelling: insights into the longitude controversy and the challenges of scientific validation
- Classical epigrams and literary references in *The Longitudes Examin'd*
- Standardizing the longitude problem: the Longitude Acts 1714-1774
- The problems of longitude: an exploration of the pamphlets of Jeremy Thacker and James Clarke
- ‘Jeremy Thacker’ and the line between literature and science

H.G. Wells, *The Island of Dr Moreau*

- An analysis of vivisection in *The Island of Doctor Moreau*
- The hand and humanity in ‘*The Island of Doctor Moreau*’
- ‘To the beasts you may go’: the degeneration of man in the *Island of Doctor Moreau*
- A character study of Moreau as a reflection of late 19th century debates concerning science, scientists and their role in society
- Dr Moreau: more than just a commentary on vivisection

- The presentation of vivisection in HG Wells' *The Island of Dr Moreau*
- Is Wells' representation of the Beast Folk a commentary on the Victorian attitude toward the 'degenerative' working classes?
- In 'The Island of Doctor Moreau' does HG Wells' central protagonist demonstrate that civilisation is not enough to protect the white Victorian man from nature?
- The distinction between animals and humans as it is presented in *The Island of Dr Moreau* and how the differing views of the characters in the book are reflected in the Victorian debate regarding evolution and the distinction between man and beast
- The impact and implications of Wells' works of scientific popularisation on 'The island of Dr Moreau'
- How does HG Wells represent race in 'The Island of Dr Moreau'?
- Moreau and science fiction as a genre
- Escaping the 'mark of the beast': the distinctions between man and animal in *The Island of Doctor Moreau*

***Dear Dr Stopes: Sex in the 1920s*, ed. Ruth Hall**

- Science, authority and conflict in 'Dear Dr Stopes'
- Dear Dr Stopes, and Ruth Hall's demonstration of Marie Stopes' professional authority
- Representations and practices of male ignorance, including professional ignorance, in Dear Dr Stopes
- Understanding ignorance in 'Dear Dr Stopes'
- How does Ruth Hall's 'Dear Dr Stopes' explain Stopes' pre-eminence as a contraceptive campaigner?
- Dear Dr Stopes, and Ruth Hall's demonstration of Marie Stopes' professional authority
- Representations and practices of male ignorance, including professional ignorance, in Dear Dr Stopes
- Understanding ignorance in 'Dear Dr Stopes'
- How does Ruth Hall represent Stopes' eugenic views in 'Dear Dr Stopes'?
- The doctors vs. the lower classes: ignorance in Dear Dr Stopes
- Doctor, priest, abortionist, pharmacist, nursery-maid, marriage-broker: the many professional roles of Marie Stopes in Dear Dr Stopes
- Female knowledge and medical ignorance in Dear Dr Stopes
- The politics of sex: the visibility of sex/contraception as a political topic in Dear Dr Stopes
- Representing the working classes: Mother England vs. Dear Dr Stopes
- Wartime sexual revolutions: the role of war and the military in Dear Dr Stopes
- Access to reproductive healthcare in the 1920s: the view from Dear Dr Stopes
- Policing knowledge and maintaining ignorance in 'Dear Dr Stopes: Sex in the 1920s'
- What can we learn from 'Dr Doctor Stopes: Sex in the 1920s' about why people from different groups of society wrote to Marie Stopes, and are Ruth Hall's categories useful?

Larry Laudan, 'A Confutation of Convergent Realism' *Philosophy of Science* 48

- Did Larry Laudan pre-empt realist criticisms of his paper 'A Confutation of Convergent Realism'?
- Do Laudan's general criticisms of realism as an empirical hypothesis hold for Psillos' 'Divide et Impera' move?
- To what extent does structural realism withstand Laudan's arguments against scientific realism?
- Is Laudan's use of the 'caloric theory of heat' an effective example against scientific realism?
- Is Laudan successful in defending his 'Confutation' against preservative realism?

- Is Laudan justified in dismissing reference as ineffectual, or even damaging, to the realist?
- Is Laudan undermined by a Ramsey sentence approach to reference?
- Convergent realism and the importance of alternative explanations

Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Synthesis Report, 2007

- A short argument for the inclusion of ‘ethical information’ within the IPCC assessment reports
- Why didn’t reporting errors in the IPCC’s Fourth Assessment Report lead to a standard risk cascade and amplification of perceived risk?
- Why did the traditional media disproportionately report the IPCC’s projections rather than the solutions?
- Inductive risk: is the IPCC’S use of probability the best solution?
- Does the IPCC’s Fourth Assessment Report tackle the ‘problem of inductive risk’ effectively?
- Do the IPCC’s tables SPM.4 and SPM.5 show that it is not a ‘stealth issue advocate’?
- Multinational representation in the IPCC writing team
- The IPCC: how opinions are synthesized in a synthesis report
- Are we asking the wrong questions about the IPCC, given that climate science can be construed as a ‘post-normal science’?
- Exploration into why the IPCC’s fourth report did not end the debate over scientific consensus about climate change, by drawing parallels with the GMO debate
- Scientific consensus and its disadvantages in the IPCC 4th Synthesis Report

David Hume, *Treatise of Human Nature*, Book 1, Part 4, Section VI: ‘Of personal identity’

- How important for the persuasiveness of Hume’s argument is the use of metaphors and similes
- Is it possible for me to give myself identity?
- Can Hume’s views on personal identity be united with his views on space?
- How convincing is Hume’s argument and why?

John Stuart Mill, *The System of Logic*, Book VI: ‘On The Logic of the Moral Sciences’

- ‘Art’, ‘science’ and the origins of value-freedom in ‘The System of Logic’
- John Stuart Mill’s System of Logic, as located within its historical context

Babylonian Mathematics

- A social analysis and comparison of Mesopotamian mathematics in the early third millennium BCE and the mid first millennium BCE
- The preference of the circle and its mathematical properties in Mesopotamian design
- Plimpton 322: an object biography

Dissertations

- Contextualising the Babylonian Mappa Mundi
- The relevance of game theory and cost benefit analysis to climate policy
- Medical ethics and etiquette under the Roman Empire
- Perceptions of monstrous animals in early modern England (1580-1720)
- Technologies of orchid cultivation in Victorian Britain
- Commemorating chloroform: 1840-1940
- Campaigning for abortion reform around 1967
- Friedrich Max Müller and the science of religion in Victorian Britain
- Scott's centenary commemoration and the nature of scientific legacy
- Where does the study of finance lie in the Hacking –Cooper debate on natural and human kinds?
- Did the remedy fit the cause? Rationales for treating plague in early modern England
- An ethical education: the introduction of ethics into the scientific curriculum, focusing on the 1970s
- Science and the state in Restoration England
- The role of emotions in veterinary medicine in the early 19th century
- Negotiating prenatal diagnosis in 1970s Britain
- Sex in flux: hermaphroditicism in early modern Europe
- Eugenics and female athletes in 20th-century America
- Lord Plowden and the management of the public image of nuclear physics in the wake of the Windscale Accident, 1957-95
- The presentation of eugenics in British and American textbooks, 1900-20
- Dr Thomas Beddoes and his Pneumatic Institution
- Theory change from Einstein's special relativity supports Feyerabend's methodological anarchism
- Cigarette controversy: the value of dissensus in science
- Squids and radar: Alan Hodgkin's biophysical research, 1935-55
- Investigating CERN's sculpture portraying 'The History of Physics in 350 Discoveries'
- Underdetermination of theories by data
- The rise of the American dinosaur in early 20th-century Britain
- Argument and analysis in the Hippocratic treatise on the heart

MPhil and Part III Essay and Dissertation Titles

MPhil Essay and Dissertation Titles

Marine Bellago

Essays

Body techniques and bicyclists' style at the Fin de Siècle (supervised by Simon Schaffer)

Erasmus Darwin: people, plants and progress (supervised by Patricia Fara)

Kurt Ziesing's 'tectonic globe of the Earth': a case of tectonics without plates (supervised by Liba Taub)

Dissertation

Bicycles and bodies in Fin de Siècle England and France (supervised by Simon Schaffer)

Anna de Bruyckere

Essays

Performativity (over)extended? A case of healthcare modelling in fiscal policy context (supervised by Anna Alexandrova)

Experts and epistemic entrepreneurs: knowledge about female sexuality in the 1970s (supervised by John Forrester)

Man, society and the city: social science methodology in early 20th-century Chicago (supervised by Tiago Mata)

Dissertation

Metaphor in science: entrenchment and evaluation (supervised by Hasok Chang)

Caitlin Doherty

Essays

Transparent industry and hidden labour: the development and history of the underground atmospheric railway at the Crystal Palace, Sydenham (supervised by Simon Schaffer)

'Planet Science': the legacy of environmental humanism at the London Science Museum (supervised by Helen Curry)

By number, weight and measure: English quantitative verse debates viewed in the context of early-modern geometrical practices (1551-1602) (supervised by Nick Jardine)

Dissertation

Reports and images of early balloon flights in the context of Romantic aesthetics (supervised by Patricia Fara)

David Dunning

Essays

Bruno Latour, fiction and the trajectory of a scientific idea (supervised by Simon Schaffer)

Alexander Crum Brown's knitted mathematical models (supervised by Liba Taub)

C.S. Peirce, pragmatism and mathematics (supervised by Tim Button)

Dissertation

Controversy and the production of consensus concerning the Axiom of Choice in Zermelo-Fraenkel set theory (supervised by Jeremy Gray)

Antoine Gallay

Essays

The promotion of stereoscopic radiography in Britain, 1896-1920 (supervised by Salim Al-Gailani)

The eye and the ghost: spectral apparitions and the retina in David Brewster's theory of vision (supervised by Chitra Ramalingam)

Playing with the eyes: a comparative history of two rare stereoscopic instruments (supervised by Liba Taub)

Dissertation

The quest for perfect vision: Chérubin d'Orléans' optical instruments and the development of theories of binocular perception in late 17th-century France (supervised by Simon Schaffer)

Eva Gillis-Buck

Essays

The *Gender Trouble* with unisex lab coats (supervised by Vanessa Heggie)

Building the impossible to explain the status quo: parthenogenesis as a technology of genomic imprinting experiments (1984-2013) (supervised by Helen Curry)

Dr Marianne Legato and the rise and fall of 'gender-specific medicine' since 1990 (supervised by Salim Al-Gailani)

Dissertation

Virgin birth technoscience: mammalian parthenogenesis and an ironic discourse of impossibility in experimental biology (1930-2013) (supervised by Sarah Franklin)

Pei-Hua Huang

Essays

On Kuhn's scientific discovery and scientific revolution (supervised by Hasok Chang)

Is mechanism dispensable for casual inference in social sciences? (supervised by Anna Alexandrova)

Does Sandel's 'Against Perfection' successfully undermine human enhancement? (supervised by Tim Lewens)

Dissertation

Idealisation, capacities and explanation (supervised by Anna Alexandrova)

Nora Hutchinson

Essays

The collapse of quality of life tools in the clinic (supervised Anna Alexandrova)

Preserving a nation: the case of government funding of in vitro fertilization in Quebec, Canada (supervised by Salim Al-Gailani)

Mild cognitive impairment: examining the boundaries of normal and pathological (supervised by Elselijn Kingma)

Dissertation

Dying with dignity in Québec: palliative care, moral expertise and the debate on euthanasia (supervised by Stephen John)

Gregory Kennedy

Essays

The atomic age origins of chemoprevention: radioprotection research at Oak Ridge National Laboratory (supervised by Helen Curry)

Patient age and sleep-related medical practice in early modern England, 1580-1700 (supervised by Hannah Newton)

The Edinburgh stereoscopic atlas of anatomy and anatomy teaching in medical schools, c. 1905-1930 (supervised by Salim Al-Gailani)

Dissertation

Laetrilomania: politics and science in the rise of a cancer drug (supervised by Helen Curry)

Maria Marven

Essays

A binding appropriate to the subject: sexual difference and the female skin (supervised by Natalie Kaoukji)

Advising mothers: health visiting, 1915-1930 (supervised by Vanessa Heggie)

"Virtually identical to breast milk': marketing proprietary infant formula to physicians in interwar Britain (supervised by Salim Al-Gailani)

Dissertation

From AID to ISCI: the treatment of male infertility in 20th-century Britain (supervised by Salim Al-Gailani)

Rune Nyrup

Essays

Diamonds from a heap of neurotrash? (supervised by Tim Lewens)

Perspectives and pragmatism (supervised by Anna Alexandrova)

Models as mathematics: intellectual functions of physical models in 19th-century mathematical practice (supervised by Liba Taub)

Dissertation

More models, more problems? Philosophical accounts of the use of mutually inconsistent models in science (supervised by Anna Alexandrova)

Esther Odida

Essays

Beyond Baartman: William Somerville and the structure of Hottentot women (supervised by Jim Secord)

Conception controversy in medieval Islam (supervised by Saira Malik)

Gender and mathematics in the Middle East (supervised by Eleanor Robson)

Dissertation

Trials and mental tribulations: the postpartum woman in psychiatry and law in the 19th and early 20th centuries (supervised by John Forrester)

Benjamin Oseroff

Essays

Individuals, responsibility and stigma in the obesity debate (supervised by Stephen John)

A textbook approach: the history of informed consent in Harrison's Principles of Internal Medicine (1950-2011) (supervised by Helen Curry)

Maximizing global health reforms: thinking beyond the Health Impact Fund (supervised by Anna Alexandrova)

Dissertation

Close enough to sufficiency: justifying a limited role for cost-effectiveness analysis in health policy (supervised by Stephen John)

Linda Ratschiller

Essays

Missionary ethnology, material culture and the display of Cameroon in early 20th-century (supervised by Sujit Sivasundaram)

Sex, crime and hypnotism in Auguste Forel's work (1848-1931) (supervised by John Forrester)

Science, representation and the public in the French Enlightenment: the Cassini Mapping Project (1750-1789) (supervised by Simon Schaffer)

Dissertation

The Basel Mission doctors on the Gold Coast and the making of tropical medicine, 1885-1914 (supervised by Salim Al-Gailani)

Timothy Rees Jones

Essays

A study of the intellectual activity of the Spalding Gentlemen's Society (supervised by Patricia Fara)

The role of rhetoric in Bayes 'introduction to the Doctrine of Fluxions' (supervised by Marina Frasca-Spada)

A different 'partition of the sciences': the relevance of investigations into subjects other than 'Nature' to the history of science in the long 18th century (supervised by Nick Jardine)

Dissertation

The politics of place in the silvicultural and agricultural investigations of the early Royal Society (supervised by Simon Schaffer)

Kristen Rieger

Essays

The Electrical Theory of the Universe and the place of working-class theoretical science in early-19th-century Britain (supervised by Jim Secord)

Teething in early modern England, 1580-1720 (supervised by Hannah Newton)

Dissecting the cholera riots of 1832: working-class skepticism and the medical profession (supervised by Anne Secord)

Dissertation

The *Electrical Theory of the Universe* and the fate of unorthodox cosmologies in early 19th-century Britain (supervised by Simon Schaffer)

Sébastien Rivat

Essays

The materiality of the vacuum in quantum field theories: towards an understanding of mass in the Higgs mechanism (Nazim Bouatta)

The tension of Bachelard's concept of phenomenotechnique (supervised by Simon Schaffer)

The order of heterotopias: a study of Foucault's 'other spaces' (supervised by John Forrester)

Dissertation

On the edge of reality: a study on the conceptual issues of virtual particles (supervised by Adam Caulton)

Daniel Strassfield

Essays

Operational in-equivalents: rethinking the controversy over fixed valency and Kekulé's gap theory

Discipline and pedagogy: molecular model kits and the doing of synthetic organic chemistry

What's in (a controversy over) a name? The taxon *Homo habilis* and the role of morphology in hominid classification

Dissertation

The development of theories of variable valency and the experimental evidence used in early structural chemistry (1860s)

Zina Ward

Essays

Critical contextual empiricism: normative consequences for the individual scientist

Dual-process psychology: the new 'virtual' accounts

Role responsibilities and the dual-use dilemma

Dissertation

Mechanistic explanation without realism

Part III Essay and Dissertation Titles

Hamish Auld

Essays

A critical review of Winfried Schleiner's account of early modern medical ethics in *Infection and Cure through Women: Renaissance Constructions of Syphilis* (supervised by Natalie Kaoukji)

Are experimental outcomes shaped more by the instruments used or by the aims and skills of the experimenter?

Can scientists avoid using ethical values in theory acceptance? Should they?

The case of Mandy Allwood: constructing public debate over reproductive medicine (supervised by Salim Al-Gailani)

Dissertation

Naval medicine in 18th and 19th centuries (supervised by Eleanor Robson)

Callum Fowers

Essays

A critical examination of literature on the admissibility of scientific expert evidence in court: the case of polymerase chain reaction (PCR) (supervised by David Feller)

Can scientists avoid using ethical values in theory acceptance? Should they?

Are there situations in which science indisputably makes progress?

Philosophical and sociological issues and concerns in direct to consumer genetic testing for medical purposes (supervised by Stephen John)

Dissertation

Philosophical questions in intellectual property and the patent of new inventions (supervised by David Feller)

Martha Henriques

Essays

A review of efforts to account for placebo and the placebo effect (supervised by Tim Lewens)

Are experimental outcomes shaped more by the instruments used or by the aims and skills of the experimenter?

Are there situations in which science indisputably makes progress?

Mesosomes' status as fact/artefact and biological textbook literature (supervised by Helen Curry)

Dissertation

Paul Feyerabend's later phase philosophy (supervised by Hasok Chang)

Isabel Hughes

Essays

Using libraries to reconsider the mechanics' institute movement (supervised by Jim Secord)

Can scientists avoid using ethical values in theory acceptance? Should they?

Are there situations in which science indisputably makes progress?

How can UK 'health tourism' policies be justified? (Supervised by Stephen John)

Dissertation

An early 19th-century 'museum microscope' and cultures of collecting (supervised by Liba Taub)

Oliver Marsh

Essays

Consultants and enthusiasts in public engagement with science (supervised by Tiago Mata)

Do scientists' production and use of images show that scientific data are artificial?

Are experimental outcomes shaped more by the instruments used or by the aims and skills of the experimenter?

Heritage and conceptual resources of the early strong programme in the sociology of scientific knowledge (supervised by Simon Schaffer)

Dissertation

Circulating ‘mythologies’ (as form of public knowledge) of popular scientists (Richard Feynman and/or Carl Sagan) in 1950s-1990s US (supervised by Helen Curry)

Alexander McCracken

Essays

Dissection and vivisection in early Hellenistic Alexandria: a critical literature review (supervised by Rebecca Fleming)

Do scientists’ production and use of images show that scientific data are artificial?

Do numbers have a social life?

Sexual difference and disease: taking seriously the humoral body (supervised by Natalie Kaoukji)

Dissertation

Paracelsian responses to plague in early modern England (supervised by Jennifer Rampling)

Nicholas Melgaard

Essays

Does Kant solve the antinomy in the *Critique of Teleological Judgment*? (Supervised by Angela Breitenbach)

Can scientists avoid using ethical values in theory acceptance? Should they?

Is there any reason for thinking that explanatory power is a guide to truth?

Convergent evolution and the contingency theory (supervised by Tim Lewens)

Dissertation

Kant and Hume on the external world – the refutation of idealism: how far is Kant’s answer satisfactory to the sceptic? (Supervised by Angela Breitenbach and Nick Jardine)

Alistair Potts

Essays

Tacit knowledge and its implications – critical literature review (supervised by Hasok Chang)

Can scientists avoid using ethical values in theory acceptance? Should they?

Must we believe in reality of causes to make sense of idealisation?

The nature of simplicity as a value in science and whether it is purely cognitive/epistemic (supervised by Stephen John)

Dissertation

The classification of mental disorders: the DSM (supervised by Elseijn Kingma)

Catherine Pulman

Essays

The contextualisation of Aldous Huxley’s *Brave New World* (supervised by John Forrester)

Is there any reason for thinking that explanatory power is a guide to truth?

Are there situations in which science indisputably makes progress?

A deterministic approach to why neuroimaging evidence should not be used in cases of diminished responsibility citing psychopathic personality disorder (supervised by David Feller)

Dissertation

The classification of Antisocial Personality Disorder: ‘real’ underlying medical diseases or social constructs? (Supervised by Elselijn Kingma)

Nicholas Taylor

Essays

Einstein’s hole argument – genesis, renewal and responses (supervised by Adam Caulton)

Must we believe in reality of causes to make sense of idealisation?

Are there situations in which science indisputably makes progress?

Structural realism and biology (supervised by Tim Lewens)

Dissertation

Retrocausality in quantum mechanics: philosophy of time (supervised by Huw Price)

Olivia Vane

Essays

Newton, Newtonianism and William Blake (supervised by Simon Schaffer)

Do scientists’ production and use of images show that scientific data are artificial?

Do numbers have a social life?

Projected satire: the magic lantern as a popular motif in Georgian caricature (supervised by Patricia Fara)

Dissertation

The history of typography in relation to models of vision and observation (supervised by Simon Schaffer)

Anthony Woodman

Essays

Genre-bending, gender and ‘good science’: Cordelia Fine in review (supervised by Stephen John)

Do numbers have a social life?

Can scientists avoid using ethical values in theory acceptance? Should they?

Disputes between conventional normative economics and ‘happiness economics’ (around well-being vs. option freedom in policy) (supervised by Anna Alexandrova)

Dissertation

Scientific malpractice at the communication stage – legal and philosophical issues (supervised by Stephen John and David Feller)

PhD Theses

AWARDED

Alexandra Bacopoulos-Viau

Scripting the Mind: Automatic Writing in France, 1857-1930 (supervised by John Forrester)

Jonathan Birch

Kin Selection: a philosophical analysis (supervised by Tim Lewens)

Joanna Burch Brown

Consequences, Action Guidance and Ignorance (supervised by Tim Lewens)

Yoon Choi

Kant's theory of self-consciousness (supervised by Onora O'Neill and Nick Jardine)

Carl Fisher

Early Darwinian commemoration in Britain, 1882-1914 (supervised by Jim Secord)

Susannah Gibson

The pursuit of nature: defining natural histories in 18th century Britain (supervised by Jim Secord)

Natasha Goldberg

Selfish genes and nature's joints: the role of metaphor in the realist/relativist debate in philosophy of science (supervised by Eleanor Robson)

Boris Jardine

Scientific Moderns (supervised by John Forrester)

Allison Ksiazkiewicz

Geology and neoclassical aesthetics: Visualizing the structure of the earth in late 18th and early 19th century Britain (supervised by Jim Secord)

Katie Taylor

Communicating mathematics through vernacular books in Elizabethan England (supervised by Nick Jardine)

Nic Teh

On Topological Objects in Field Theory (supervised by Jeremy Butterfield)

Caitlin Wylie

Invisible technicians: a sociology of scientific workers and specimens in paleontology laboratories (supervised by Jim Secord)

Billy Wheeler

The metaphysics of ideal laws: a Humean account (supervised by Tim Lewens)

SUBMITTED**Jenny Bangham**

Blood groups and the rise of human genetics in mid-twentieth century Britain (supervised by Nick Hopwood)

Katy Barrett

The Wanton Line. Horgarth and the public life of longitude (supervised by Simon Schaffer)

Sophie Brockmann

Surveying Nature: The Creation and Communication of Natural-Historical Knowledge in Enlightenment Central America (supervised by Nick Jardine)

Michael Bycroft

Physics and Natural History in the Eighteenth Century: the Case of Charles Dufay (supervised by Hasok Chang)

Sean Dyde

Brains, Minds and Nerves in British Medicine and Physiology, 1764-1852 (supervised by John Forrester)

Ruth Horry

Transitions and transformations in Assyriology, c. 1880-1913: artefacts, academics and Museums (supervised by Eleanor Robson)

Katharina Kraus

Psychological Knowledge in Kant's Critical Thinking (supervised by Nick Jardine)

Emily McTernan

Equality and responsibility (supervised by Stephen John)

Josh Nall

News from Mars. Transatlantic Mass Media and the Practice of New Astronomy, 1870-1910 (supervised Jim Secord)

Emma Perkins

Non haberi sed esse: Tycho Brahe's self-presentation through visual and material culture (supervised by Nick Jardine and Liba Taub)

Arianne Shahvisi

On the Nature and Origins of Thermodynamic Asymmetry (supervised by Huw Price)

Joeri Witteveen

Rethinking 'typological' vs. 'population' thinking. A Historical and philosophical reassessment of a troubled dichotomy (supervised by Tim Lewens)



Michelle Wallis, Leah Astbury and Sophie Waring, three of our current PhD students

The Library



**WHIPPLE
LIBRARY**



**UNIVERSITY OF
CAMBRIDGE**

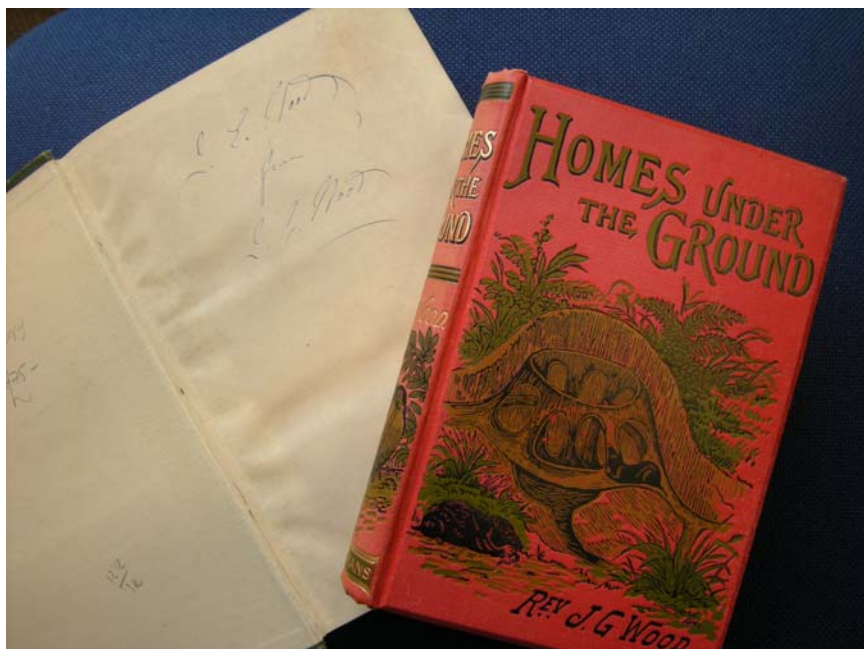
Department of History and
Philosophy of Science

It's been an eventful year at the Whipple. A significant roof leak in the Old Library in December brought disaster response theory to life in a particularly vivid way as we sought to contain the damage before closing for Christmas, and offered valuable lessons we hope never to need to implement again in future. The start of compulsory Open Access journal article publishing for all publicly funded research in the UK on 1 April presented challenges of a different order, as we sought to comprehend the implications of policy in the making for the Library and the Department in the short, medium and long term. The goal to make research outputs readily available regardless of institutional affiliation or means to pay is broadly to be welcomed, but it's important to ensure that the interests of authors, and especially early career researchers and independent scholars are protected in the process. We end the year looking forward to building new and mutually beneficial relationships with the wider network of libraries in Cambridge, and the University Library in particular, as the Whipple becomes an Affiliated Library of the UL from 1 August 2013.

The Library was staffed this year by Anna Jones (Librarian), Dawn Moutrey (Library Assistant) and Agnieszka Lanucha (Library & Departmental Assistant). An adjustment in Aga's hours at the start of the academic year provided the opportunity to offer two lunchtime invigilating posts to the Department's PhD students, and we are grateful to Andrew Buskell and Allison Ksiazkiewicz for their hard work and cheerful disposition in this capacity.

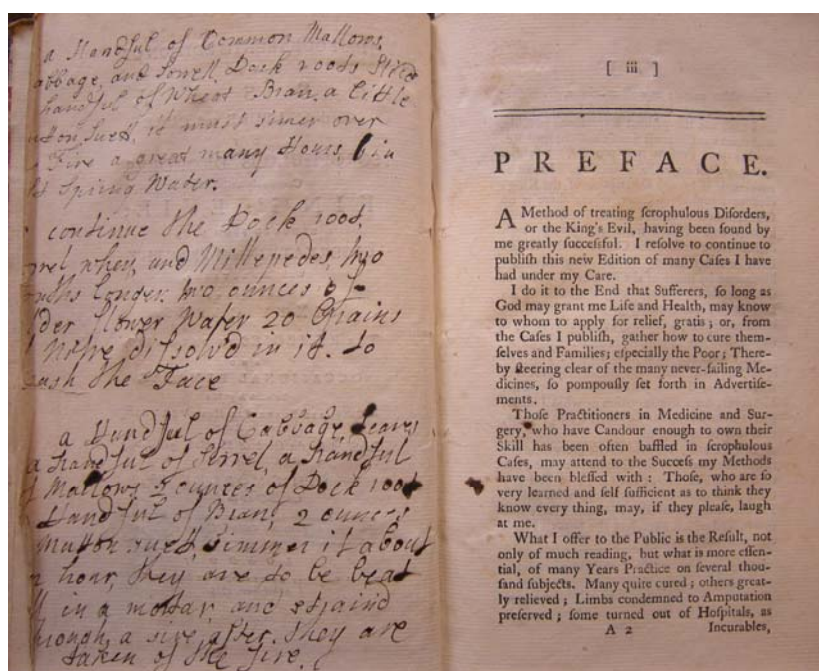
Acquisitions

620 hard-copy titles and a further 30 ebooks were added to the collections between 1 August 2012 and 31 July 2013. Academic publishing in HPS remains a mixed economy, with most new titles offered in e-format as well as print, but the conversion of older titles to digital, some of which are still in high demand, is slow or impossible while copyright issues remain outstanding. The Whipple took advantage of the opportunity to buy its own ebooks during this academic year, ordering direct from the University's approved suppliers rather than via the central administration, though we remain indebted to the staff of the ebooks@cambridge team for valuable support and advice, including the negotiation of licences and the loading of catalogue records. The guiding principle behind ebook purchasing remains to select the most popular titles from reading lists to complement our hard-copy holdings, thereby providing 24-hour access to content to multiple simultaneous users, for which the undergraduate appetite increases. The demand for longer and more complex works requiring a deeper level of engagement in ebook format has hitherto been less apparent, but the advent of new models for time-limited downloads to personal devices (including tablets and smartphones) may change this as the on-screen reading experience improves.



Notable among this year's book purchases were copies of J.G. Wood's *Trespassers* (signed by the author) and *Homes Under the Ground* for the Store, and a small selection from the personal library of Michael Hoskin, formerly of the Department.

Donations



Among the various generous donations to the Library during the year were two from people not previously connected with the Department. Miss Victoria Mills donated a copy of John Morley's *An Essay on the nature and cure of Scrophulous Disorders, commonly called the King's Evil...* 14th ed. (London, 1775), acquired from her great-uncle, which she hopes will be of interest to a wider audience via the Whipple, especially for the manuscript recipes written on the endpapers. In similar vein, we were grateful to receive an annotated set of 5 volumes of Robert White's *Ephemeris* (1794-1845) from Tina Cockett, which increases the range of almanacs in the Whipple's collection, and was the subject of a post to the

'Whipple Books Blog' by Dawn in February:

<http://whipplelib.wordpress.com/2013/02/25/whites-ephemeris/>

Two further donations add to the Whipple's record of the history of science in Cambridge. In October, Professor David Ingram, formerly Regius Keeper of the Royal Botanic Garden, Edinburgh (1990-98), and Master of St Catharine's College (2000-2006), offered copies of two editions of F.T. Brookes's *Plant Diseases* (Oxford University Press, 1928 and 2nd edn 1953). The first edition is the author's copy with extensive annotations for the second edition, which was completed after Brookes's death by S.D. Garrett, Professor of Botany at Cambridge in the 1950s and 1960s where Prof. Ingram began his career. In the spring we were very glad to receive from Professor Peter Bowler a collection of his lecture and practical class notes from his time as an undergraduate at King's in the mid 1960s. Tracing the publication history of textbooks and the

content of undergraduate courses depends on material that is often regarded as ephemeral and so seldom survives, so we're particularly pleased to have the opportunity to preserve these two donations and hope they may feature in a future student project.

We are grateful as usual to all the Departmental members and associates who have presented copies of their work and other items during the year. Particular thanks are due to Anita McConnell, who has allowed the Library priority selection from her personal library following her move to smaller accommodation. This process is on-going, and items will be added to the online catalogue in due course. We are grateful also to Jim Secord for filling an important gap with his donation of a copy of Flammarion's *Le Monde Avant La Création De L'Homme* (Paris 1886), and thus enriching the Library's image bank for all occasions.

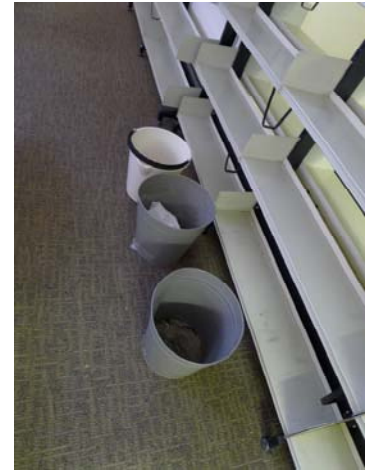
Special Collections

Dawn has been responsible for the greater share of promoting our special collections this year with several contributions to the Whipple Books blog, and an interesting display in the exhibition area on Level 1 of material from the phrenology collections, 'Know thyself: Phrenology in the Whipple Library' (<http://www.hps.cam.ac.uk/library/phrenology/>).

Conditions were significantly improved in the special collections Store in June when new shelving was installed for the oversize volumes. Some of these are very large and their bindings were under strain as long as they were stored upright on shallow shelves. The new metal shelving is much deeper and allows most books to be stored horizontally. With thanks to staff from the Fitzwilliam Museum Conservation Department, a general risk assessment of the room was carried out in July, which sets out a case for regular environmental monitoring to keep track of significant changes in temperature and humidity, and signs of pest infestation, and we hope to establish a new regime for recording this data early in the new year.



Roof leak



Anticipating a quiet day one before closing for the Christmas break, and with the Librarian on leave, Library Assistant Dawn Moutrey prepared to open up the Old Library as usual on the morning of 20 December, only to be greeted by a steady stream of water pouring through the high-level windows in the flat roof and falling onto the book case beneath. Thanks to exemplary quick thinking and equally quick-witted assistance from Mark Rogers (Computer Officer) and Claire Wallace (Chief Museum Assistant) the book case was cleared and computers and furniture moved to minimise the damage while the residue of the previous night's heavy rainfall, trapped on the roof by a blocked gutter, continued to trickle in. EMBS site manager Adam Lister was likewise quick to respond and cleared the gutter of the rubble left by contractors working on an adjacent building so that by the time the slow-moving Christmas shopper traffic delivered the Librarian to the scene, the worst was over and the clean-up operation could begin.



The primary objective in any library flooding situation is to minimise the risk of mould growth, since once established it will spread fast, including to otherwise dry books, and also poses a health risk to those involved in handling the books from breathing in spores. The University is a Priority User of Harwell Document Restoration Services, who will respond to emergencies by removing books and documents damaged by fire or flood from the premises to a large freezing facility near Oxford where they can be stored in stable conditions until decisions are taken about conservation and repair. A phone call to Harwell confirmed that we should remove the wet Whipple books as soon as possible, and a van arrived in 2 hours to take away 350 volumes from sections A to CG. Not all were soaking, but we erred on the side of caution, conscious that the building was about to close for 10 days. Having removed the books we were able to concentrate on drying out the room with fans and dehumidifiers provided by EMBS, and the Department's regular carpet cleaning contractor vacuumed an impressive 8 gallons of water from the affected area before the end of the day.



We accepted Harwell's quotation to freeze dry and clean the wet books, which were not returned until the start of the Easter vacation. Of the original 350, 23 were unfit to retain for lending on return (one of the affected sections was 'Science and the visual arts', including several books with plates on coated paper, which is very difficult to separate and repair after getting wet), and so were replaced, mostly by purchases from secondhand suppliers. We were extremely fortunate that nothing particularly precious or irreplaceable was damaged during the incident (though a number of titles unique in the University to the Whipple

were affected), and in the cold light of the new year we were able to reflect on how much worse the leak could have been. Had it occurred a matter of hours later, for example, it would almost certainly have remained undetected for up to a fortnight over Christmas, and much more damage would have ensued.

In the event, the key to the relatively successful clean-up and minimal disruption to readers after this incident (the Old Library re-opened in time for the start of the Lent Term on 15 January) was the rapid and clear-headed response from Library, Museum, other Departmental and EMBS staff on the ground as soon as the leak was discovered. I should like to take this opportunity to thank my colleagues wholeheartedly both for their professionalism on the day and for their unstinting support over the subsequent weeks. Thanks are due also to staff at Harwell Document Restoration Services, the University Library Conservation Department, and the Cambridge Colleges Conservation Consortium for further help and advice.



New Multi-Function Device

The chief excitement for December was to have been the arrival of a new multi-function device to replace the Library's photocopier. The previous high-capacity machine had been in use since the Library moved to its present premises in 2008, and was approaching the end of its serviceable life. Analysis of recent usage showed a clear drop in demand for photocopying as people access more material online or scan originals and print direct if they want a hard copy. A modern multi-function device offering mono and colour copying, scanning and printing (including from remote workstations) would expand the range of services to our users and improving the chances of breaking even on the investment.

A model was chosen to interface with the University Computing Service's DS-Print service, which enables current staff and students with active accounts to pay using funds loaded via the University card onto a central account, which can in turn be used at different workstations around the University. Generic cards for teaching and project use are available as before. Some teething problems followed the switch from disposable fixed value photocopying cards to the new charging mechanism, and the idiosyncratic sensors for detecting paper size in the MFD's copier mode have caused several moments' frustration, but we're glad now to be able to offer work-arounds for the most common functions, and those making regular use of the scanning and colour printing features have reported good results. If you're not yet using the remote printing facility but might find it useful (current students and staff members only), visit the DS-Print service webpages for details of how to download the necessary clients: <http://www.ucs.cam.ac.uk/desktop-services/ds-print/individual>

User education

The Whipple's mini-series of workshops in the Friday lunchtime Graduate Training Seminar slot introducing the basic principles of historical bibliography and book history were offered again this year, with contributions by Roger Gaskell, Anna Jones and Jim Secord. A special supplementary session on describing collation and illustrations was offered by popular demand in June, and all used examples from the Whipple's special collections to bring the theory to life. The Old Library was also used as the venue for a workshop on editing and translation techniques hosted jointly by the Diagrams Project and the Darwin Correspondence Project on a particularly cold and snowy day in January, and following the installation of new blinds in the large windows the room is now better suited to hosting presentations with a projector.

Induction and orientation sessions for new members occupied us for much of October, and we were particularly pleased with the success of a new mini-session for Part IB students, following the second HPS lecture, when the class was escorted over to the Whipple en masse from Mill Lane for a brief tour and the chance to register to give them a head start. Further contributions to the Graduate Training Seminar during the year included a session on 'Managing your academic life online' and a joint workshop on the mechanics and implications of Open Access journal publishing for graduate students and early career researchers, which was well attended.

Staff development



International standards for cataloguing library material have undergone major revision in recent years and the University decided to adopt the new 'RDA' (Resource, Description & Access) code to replace the former Anglo-American Cataloguing Rules from 2013, in line with most other major research libraries in the western world. All staff have undergone training over the summer in anticipation of the switch for departmental, faculty and college libraries in October. Visible changes to users of OPAC should be minimal, but co-authors and editors of multi-author collections should be pleased to note that the troublesome 'rule of three' whereby all but the first named author in a collaboration by more than three people are rendered invisible in the catalogue record has now been abolished, so full credit will be given to all named on the title page henceforth.

Whipple staff were glad to welcome a group from the library team at Anglia Ruskin University for a visit as part of their annual staff conference in June, and Dawn and Aga made a reciprocal visit to the East Road campus the following month. Anna joined the organising team for the annual libraries@cambridge conference in January on the theme of 'Making an impact', and chaired the special collections session on 'Making an impact with exhibitions'.

Anna Jones

Whipple Librarian

August 2013

The Museum



A Pocket Horizon

by Don Paterson

The idea, I guess, is on the kind of day
the vapours are sent down to blind and choke us
one still might gain some distance, much the way
this shotglass seems to give me a little focus
or this stone in my shoe some foothold on events.
Its disc of jet on three gold screws would do
for a doll's house table at a doll's house séance.
I'm trying to what exactly. Level with you?

Chin down on the bar-rail and one-eyed
to get it true and straight and down to scale.
But my huge head looms above its tiny tide
and my breath is screaming like a winter gale
I think there's no one on the other side
O love, where is my white or my black sail?



As part of the Connecting Collections project, Thresholds, Carol Ann Duffy, the Poet Laureate invited other poets to partner with University of Cambridge museums. The Whipple was very fortunate to be partnered with Don Paterson, who composed the poem above on one of our artificial horizons [\(Wh.0566\)](#).

Artificial horizon (Wh.0566)

© Whipple Museum of the History of Science

Special Projects

Gallery Development

Refurbishment of the Main Gallery

The Main Gallery re-opened in January 2011 following a major refurbishment, accomplished with funding from the School of Humanities and Social Sciences and DCMS/Wolfson. All that remains to be done now are a few ‘tweaks’. A new reception point where Alison Smith, our Gallery Attendant, can welcome visitors, funded through the University of Cambridge Museums Connecting Collections (Arts Council England funded) project, was installed in September 2013.

The Upper Gallery

September 2012 saw the beginning of the re-development of the Upper Gallery, following extensive planning. The temporary Globes exhibition that was previously held here was extremely popular with visitors, so we decided to devote the Upper Gallery to the Whipple’s diverse collection of terrestrial, celestial, lunar and Martian globes and other planetaria including the recently purchased globes of Venus. Part-financed by a grant from the DCMS/Wolfson fund, the refurbishment has allowed us to purchase new ‘modular’ display cases which show off the globes to greater effect. We also took this opportunity to reline two of our older cases with a lighter fabric background. The gallery is proving to be very popular with visitors and will be celebrated with an opening event on 24th October 2013.



The completed Globes gallery. © Whipple Museum of the History of Science

The New Gallery

Following the success of the relining of the older display cases in the Upper Gallery, we made the decision to do the same with the four wall cases and four drawer cases in the New Gallery following the de-installation of the Rayleigh exhibition. This has made the cases look much fresher and complements the displays in the rest of the Museum. We are aiming to reline the cases in the Discover gallery in the New Year to coincide with the exhibition ‘Discoveries: Art, Science & Exploration’ to be held at 2 Temple Place, London.

Storage

In 2011 we purchased new ‘visible storage’ cabinets for the Reserve Gallery. Following the successful installation of these cabinets, the Whipple was awarded a grant of £18,500 by the School of Humanities and Social Sciences in order to purchase more of these cases. These will primarily be located in Stores 1a and 1b and will protect the objects from any problems that may occur with the air conditioning units for Seminar Room 2, whose ductwork goes through the space. In the longer term, we hope that this sub-optimal space can be redeployed for a more suitable purpose. This is contingent on the provision of more suitable storage space which is a pressing, strategic need, highlighted in February 2013 when a leaking heating pipe was discovered underneath the floor in Store 2.

Exhibitions

The Acoustical Experiments of Lord Rayleigh

As part of the 350th anniversary of the Royal Society, the Whipple Museum chose Lord Rayleigh to be its ‘Local Hero’. Rayleigh’s extensive involvement in the University of Cambridge (as student and Fellow of Trinity College and Chancellor of the University), together with his work in the science of acoustics (the focus of the Museum’s Science of Musical Sound project), made him an ideal choice.

The exhibition displayed homemade apparatus from Rayleigh’s workshop at Terling Place, Essex, on loan from the Rayleigh Family, the Science Museum, London and the Cavendish Laboratory. These objects, used in many of Rayleigh’s seminal experiments, have not previously been on display. Indeed, those objects that had remained at Terling have barely been handled since Lord Rayleigh’s death in 1919.

This exhibition presented an accessible summary of Rayleigh’s life and achievements, with particular focus on his acoustical experiments. These experiments formed the backbone to his writing on the subject, much of which remains relevant in the field of acoustics to this day.

This exhibition was due to finish on 30th April 2012, but was been extended until August 2013. Following the de-installation of this exhibition, the display cases will be refurbished and then Salim Al-Gailani’s exhibition about Kitchen Chemistry will be installed.

Exhibition by Érem Verde – Hungary’s only mint for decorative & commemorative medals & coins

2012 marked the 25th anniversary of the town-twinning between Cambridge and Szeged, Hungary. To tie in with this anniversary and also the Festival of Ideas, the Whipple hosted an exhibition of decorative and commemorative coins and medals between 8th October and 4th November 2012. The coins and medals on display depicted Kings of Hungary, cities, important Hungarian inventors, as well as a demonstration of the methods used to produce the medals. The exhibition was opened by the Mayor of Cambridge and featured in the Cambridge News.

Outreach Events

The following events were supported by funding from the Connecting Collections project, made possible by a grant from Arts Council England [www.artscouncil.org.uk].

Festival of Ideas

In October 2011, the Whipple held five events as part of the University’s Festival of Ideas.

Dr Jeremy Butterfield continued to use the Whipple Museum as a venue for communicating his project’s research and we were pleased to be offer two talks during the Festival of Ideas. Dr Nazim Boatta gave a talk on 25th October entitled ‘Poincare’s Dream’ which was attended by 45 visitors. He asked questions such as: ‘What is the real geometry of space?’ and ‘Surely we can just go and measure it?’. Attendees also found out that Henri Poincare, the French mathematical genius, had a dream that he could resolve the issue. On 1st November, Brian Pitts held a public lecture entitled ‘Mr Tompkin’s nightmare’, which was attended by 42 people.

‘Music from the Ether: dreams of the theremin’, held on 26th October, was a concert performed by Charlie Draper. The work explored the history of the instrument and a wide variety of works from Delibe’s Flower Duet to the Star Trek theme. 60 people attended the concert and feedback included the following comments:

‘This was brilliant!’

‘Brilliant.’

‘It was a delight! Thank you.’

‘Fascinating and professional presentation.’

On 27th October the Whipple opened for special Saturday opening. The event was attended by 128 people and tours and talks were provided throughout the day by Ruth Horry and Seb Falk.

The Big Draw on Tour came to the Whipple on 2nd November. This artist-led session explored the theme of ‘dreams and nightmares’ through the objects at the museum. The Big Draw on Tour was held at various locations across Cambridge within the timeframe of the Festival of Ideas.

Twilight at the Museum

At 4.30pm on 13th February 2013 the lights were dimmed for Twilight at the Museums. Armed with torches, visitors (especially the very young) enjoyed an unusual and atmospheric experience. A solar system-themed trail led visitors around the galleries towards a secret codeword written within the New Acquisitions case in the Main Gallery. If they were successful in finding the codeword, they could claim a prize from one of the Whipple staff members. This was an extremely popular event with 583 people attending over the course of the evening.



The Main Gallery during Twilight at the Museums
(from Globes)

Cambridge Science Festival

In March 2013, the Whipple held eight events as part of the Cambridge Science Festival.

Dr Nazim Bouatta returned to the Whipple on 11th March to give a talk about ‘Space, Time and Philosophy’. He discussed the ideas of space and time being obvious in our everyday life, but stated that once we start asking questions about the nature of space and time, we find ourselves facing many difficulties and we realize that we don’t have obvious answers. He asked ‘What is space? What is time? Do they have the same properties? Could we imagine anything outside of space and time?’ Dr Bouatta explained how physics and philosophy can shed some light on these questions.

The award-winning vocal ensemble The Clerks returned to the Whipple on 14th March following their previous performance of ‘Roger go to yellow three’. They once again performed and explored the science of ‘auditory streaming’, the function of hearing which enables us to pick out a single conversation in a crowded room. Attendees became subjects of research by filling out questionnaires based on what they were able to hear.

Feedback for The Clerks:

‘A really fabulous evening – thank you!’

The Whipple Museum was open on Saturday 16th March as part of the interdisciplinary Science Festival celebrating the University’s contributions to Science. This was part of the Whipple’s continuing involvement with the Science Festival and it formed part of the Museum’s on-going outreach programme.

Opening the museum on a Saturday provided an opportunity for the Museum to expand its audience. Saturday openings have always been hugely popular and visitor feedback has shown an increasing demand for outreach of this kind. By offering events based on children’s handling activities, talks and tours, we attracted a new audience of first-time visitors who did not know the full extent of what the museum and its collection has to offer and who hopefully felt inspired to visit the museum again in the future. 327 people visited the museum during the day and 152 of them were first time visitors.

Feedback for Saturday Opening:

‘Great to be able to visit the Whipple on a Saturday – we are rarely able to visit.’

‘We only had one afternoon and chose the Whipple as our friends are both scientists and only here for the weekend. It’s not normally open on Saturdays!’

Three tours and handling sessions took place during the Science Festival with two on Tuesday 19th March and one on Friday 22nd March. 42 people attended the sessions overall. These handling sessions presented a rare opportunity for the public to actually handle instruments and museum objects.

‘Generating Particles’ took place on 21st March and the Whipple had the great pleasure of welcoming Dr Nic Teh, Postdoctoral Researcher in Philosophy of Physics (DAMTP) and Affiliated Researcher in the Department of HPS, for this talk. Dr Teh discussed the world according to quantum field theory and the vision of the Cambridge physicist Paul Dirac, who articulated the idea that a particle is an excitation of an all-pervading field, laying the ground not only for modern physics, but also a new understanding of geometry.

Feedback for Generating Particles:

‘The speaker, Nic Teh, was very enthusiastic and had good connection with the audience.’

‘Interesting – a bit confusing at times, but thought-provoking. I will go away and read more on the subject. Thanks.’

‘Challenging talk – very good (gave technical details instead of providing a popular understanding of quantum mechanics only). I enjoyed it, but other people might not have the knowledge to follow the talk. Maybe give an indication in the programme as to what level to expect. Please continue this type of advanced talks in future Science Festivals. Thanks!’

‘Tried to cover an enormous subject to an audience at many levels of understanding...Very interesting – maybe too ambitious in 1 hour.’

On 22nd March, the Whipple hosted a music event based around ‘The changing perceptions of the nature of light’. Opus Anglicanum used music and a sequence of texts chosen by John Allen, Emeritus Professor of Physics, St Andrews University, to chart the changing perceptions of the nature of light through history. John Allen chose Zarathustra, Parmenides, Democritus, Alhazan, Newton, Young and Einstein to be performed by Opus Anglicanum (5 men singing unaccompanied and a narrator). First performances of new works by Dobrinka Tabakova to a text by Einstein and by Gordon Crosse to a text by Hafiz were also performed. Opus Anglicanum’s concert also featured Judith Bingham’s ‘Breguswith’s Dream’ from ‘Necklace of Light’, John Dunstable’s ‘Veni Sancte Spiritus’, Josquin’s ‘In principio erat verbum’ and Tallis’s ‘O Nata Lux de Lumine’.

Feedback for Opus Anglicanum:

‘Interesting concept – thank you for the opportunity to hear it. Readings were very clear and [he had a] good voice!’

‘Not what I expected, musically very good and well balanced vocalists. Material was very mixed. Would have liked to hear more about light.’

‘I was expecting a purely scientific lecture. A rich sound. But very mixed material performed. Talented voices.’

‘Musically wonderful, very well narrated. Slightly disappointed that no-one from the Whipple or Faculty rigged up demonstrations of the principles of light elucidated but maybe that is only for Pink Floyd.’

‘First rate event – very imaginative.’

‘An excellent evening!’

Summer at the Museums and Open July

On 20th July the Whipple Museum opened to the public to mark the County Council's 'Open July' festival and also the start of 'Summer at the Museums'. Rosanna Evans (summer intern) and Elly Wright (Connecting Collections) lead a 'Make Your Own Sundial' event in the New Gallery which attracted 10 children. The Saturday opening attracted 104 visitors to the Whipple, many of whom were new visitors.

On 31st July and 21st August, Elly Wright, UCM Events Co-Ordinator, returned to the Whipple and held two additional 'Make Your Own Sundial' events. She was joined by some volunteers recruited by University of Cambridge Museums.

These events also tied in with the 'Draw What You Saw' competition which was rolled out across 18 Cambridgeshire museums. Children could pick up a postcard on which they were able to draw their favourite object at the museum they visited, post it in the box provided, and get a different stamp on their card at each museum. The Summer at the Museums events were all reported on the Cambridge University Museum's blog (<http://camunivmuseums.wordpress.com/tag/summer-at-the-museums/>).

Open Cambridge

The Whipple Museum took part in two events as part of the University's Open Cambridge festival which promotes local attractions (in particular those belonging to the University) to local people and is now held in tandem with the Heritage Open Days. On Thursday 12th September, the Whipple hosted the Open Cambridge reception. Approximately 80 event organizers and sponsors attended the reception, most of who had never been to the Whipple before.

The Museum was also open on Saturday 14th September allowing visitors to explore the Whipple's collections and investigate how some of our objects work using the handling trolleys. 335 people visited the museum and here are some of their comments:

'Interesting, especially the medical instruments.'

'The Whipple Museum is fascinating. The exhibits are clearly labeled and well laid out.'

'I have been living in Cambridge for 10 years and have only just discovered this museum – really nice experience.'

'Very interesting, didn't expect what I found inside.'

'Very interesting.'

'I don't believe I would have come were it not for the Open Doors day – it is a chance to do things normally not done. I found plenty of objects that were beautiful or otherwise significant. I have been to three places: the Whipple Museum, the American Cemetery and the Central Science Library and found the Whipple most interesting. It truly increased my knowledge of the subject and was the most professionally organized.'

'We have come to Cambridge on a coach trip from Shrewsbury mainly to go to bookshps etc and were delighted to find the Whipple open on a Saturday – a lovely surprise.'

'The kids were fascinated. Raised our awareness of what's hidden away.'

'Very interactive, very interesting, very child friendly.'

'Fantastic!'

'Fun exhibits.'

‘Opening the Museum on a Saturday – clearly lots of demand.’

‘Very interesting, unusual displays and we enjoyed opening the drawers to see more.’

‘The Museum shows strange objects useful for science.’

‘Really good informative displays. I loved looking at all the difference aspects of anatomy and surgical tools. Really opened up my eyes and got me hungry to go and research further. Great!’

‘Excellent collection, well displayed.’

‘Very interesting, very interactive – good.’

‘Pleased to see items preserved, even more recent technology.’

Alumni Festival

On 27th September, Professor Liba Taub gave two tours of the Museum to alumni returning to the University for the Alumni Festival. 25 alumni attended these tours.

Other Events

Thresholds Workshops and Poetry Reading with Don Paterson

As part of the Connecting Collections project, Thresholds, the Whipple was very fortunate to be partnered with Don Paterson. We were also partnered with Neale Wade Community College who visited the Whipple for a ‘Poetry Masterclass’ with Don on 25th January. On 1st February 2013 the Whipple hosted a poetry reading from Don which was enjoyed by staff and visitors alike. Don can be heard reading ‘A Pocket Horizon’ on the Thresholds website: <http://www.thresholds.org.uk/museums-collections-poets/whipple-museum-of-the-history-of-science/>

Feedback for the Poetry Reading:

‘The fact that one of my favourite poets was reading his work. Also his introduction to his poems was replete with his own thoughts about poetry, its aims, its means, its values.’

‘Evening in the Museum, mixing of media/disciplines.’

‘Intimacy and informality.’

‘Civilised atmosphere, literary and scientific.’

‘A pleasure – like I’d been invited to a friend’s house.’

‘The poetry. Location.’

‘I thought it was great and Don Paterson was very friendly.’

‘Great reading and real generosity of spirit during the workshop.’

‘The setting, the poems, the atmosphere. Looking around the museum before the reading.’

‘Hearing poetry in an interesting/new surrounding.’

‘Live poets are a marvelous phenomenon. I felt distinctly lucky to hear Don Paterson read his work.’

‘The intimacy + the caliber of the poetry = fabulous.’

SHARE course

On the 8th February 2013, one session of the six week ‘Understanding Museums’ course (‘Ethics of collecting and display’) organized by SHARE Museums East was held in the New Gallery.

ECONPUB Plenary Talk

On the 18th April 2013, the ECONPUB (Economics in the Public Sphere) project, based in the Department of History and Philosophy of Science, held a workshop. The Whipple was pleased to be able to offer a venue for the plenary talk.

Special Visits

Claire Wallace, the Whipple’s Chief Museum Assistant, gave a tour to the Clare College MCR on 4th October as part of their walk around Cambridge focusing on ‘Darwin, Degas and Dissectible Globes’.

On 5th October, Ruth Horry gave a tour to a group of Year 4 pupils at the Heritage School, Cambridge.

On 26th November, the Whipple’s Director and Curator, Professor Liba Taub, hosted a visit to the Museum of the 1st Cambridge Brownie Pack, alongside the Whipple’s new Learning Co-Ordinator, Vashka dos Remedios.

In April 2013, Vashka dos Remedios hosted five Widening Participation workshops for students attending University Schools Liaison Summer Schools at both Newnham College and Peterhouse. The workshops consisted of tours, talks about the collection and what it’s like to study the History and Philosophy of Science thereby raising the aspirations of the students. She was assisted by Katy Barrett and Seb Falk.

Television, Radio and Magazine Appearances

On 8th November, Professor Jim Secord was interviewed by HBO for a forthcoming documentary on Darwin.

HPS’s Professor Jim Secord and Dr Nicky Reeves were interviewed in the Main Gallery by Cambridge University’s student station, BluSci, about their research on 14th January.

Teaching and Research

Departmental Teaching

The Whipple Museum plays an important role in teaching within the Department of History and Philosophy of Science. Lecturers use the Museum displays and the collection to illustrate their own lectures, and lecture-demonstration classes on instruments, models and collections are specifically offered for Paper 1. Students have 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 objects in the collection.

Student and Staff Research

On 15th October, Claire Wallace (Chief Museum Assistant) demonstrated a set of cupping instruments at one of Andrew Cunningham's lectures. On 25th October Nicky Reeves held his MPhil Museums talk in the New Gallery. On 12th November Dr Reeves also held his a 'Material Culture of the Early Modern World' lecture in the New Gallery. On 22nd February, Katy Barrett held a lecture for the History Faculty in the New Gallery.

Following his MPhil essay 'Something in the World. Looking into a Spanish Globe.' about Wh.5892, Seb Falk was approached by the 'Research at Cambridge' team and produced an article and a short video for the University website. This was then picked up by the national and international press and the Tena family (relatives of the maker) contacted the Museum. They invited Seb to give a talk at an exhibition about Benjamin Tena being held in Spain and very kindly donated a sheet of uncut globe gores to the Whipple. This is evidence of the global reach of the research carried out on objects in the Museum's collection.



Victoria and Óscar Tena with Óscar's great-great-grandfather's globe.
Óscar Tena is mayor of the town where the globe was made (Castellón) © Seb Falk

MPhil Essays and Theses

Isabel Hughes	'An early nineteenth-century 'museum microscope' and cultures of collecting.'
David Dunning	'Alexander Crum Brown's knitted mathematical models.'
Daniel Strassfeld	'Discipline and Pedagogy: Molecular Model Kits and the Doing

of Synthetic Organic Chemistry.’

Marine Bellego	‘Kurt Ziesing’s “Tectonic Globe of the Earth”: a case of tectonics without plates.’
Antoine Gallay	‘Playing with the eyes: a comparative history of two rare stereoscopic instruments.’
Rune Nyrup	‘Models as Mathematics: Intellectual Functions of Physical Models in Nineteenth-Century Mathematical Practice.’
Greg Kennedy	‘ <i>The Edinburgh Stereoscopic Atlas of Anatomy</i> in American Medical Education, c. 1905-1930.’

Grants and Donations

Grants

The Whipple was awarded a PRISM acquisition grant to assist with the purchase of a Flammarion Mars Globe. Made in 1884, it is based on a very different map of Mars than the 1898 example already in our collection. It is a very significant addition to our collection of Mars globes as it was the first Mars globe published by Flammarion, and the first to be issued after Schiaparelli first recorded the Martian ‘canals’.

The Museum was also given a Cambridge City Council Leisure Grant Award of £500 to cover some costs of opening the Whipple on occasional weekend, thereby allowing greater access to the museum for local people.

Connecting Collections

As part of the University of Cambridge Museums project ‘Connecting Collections’, the Whipple has had the opportunity to apply for some extra funding for special projects.

We applied, firstly, for £4500 funding for a new, more professional-looking reception point that can also serve as a retail and information point. The reception point arrived in September 2013 and has proved successful in making the Whipple’s Gallery Attendant more visible to the visitors and has also provided valuable storage space.

The Whipple teamed up with the University Museum of Zoology and the Museum of Archaeology and Anthropology to take part in the ‘Store Stories’ project. This provided funding for a member of staff to work on moving objects in store as part of our store updates. Katy Barrett joined us for this project whilst completing her PhD and she and Steven Kruse (Senior Museum Assistant) were successful in installing new storage cabinets in Stores 1a and 1b. £3000 was given to each museum and the results of the project can be seen on the online blog: <http://storestoriescambridge.wordpress.com>

We were also successful in gaining £10,000 funding for a Collections Access Project. The main aim of this project is to improve the standard of the Whipple's current database in order to implement an online database of the museum's collection. We are intending to hire several post-doctoral researchers on a part-time basis to work on this project in the new academic year.

Whipple Museum of the History of Science Conservation Fund

Robert S. Whipple's relatives continue to be involved with the Museum. In November 2012 it was announced in the *Reporter* (<http://www.admin.cam.ac.uk/reporter/2012-13/weekly/6285/section7.shtml#heading2-15>) that the Whipple Museum of the History of Science Conservation Fund had been established. This fund, set up by the grandchildren and other relatives of Robert Whipple, is to be used for the conservation of the collection's objects and archives. The establishment of this fund was marked by the unveiling of a plaque at an event on 12th March.



Conservation display and covered plaque © Seb Falk

Other Donations

We thank Anita McConnell for her continuing contribution. Trevor, Rina and Saf Waterman are also thanked for providing funding for lighting in the new Globes gallery.

Staff News

We had one summer intern this year. Rosanna Evans joined us for eight weeks in June and July and she provided welcome assistance to the core Museum staff. Her main tasks were helping staff to reorganize office space prior to the arrival of the Assistant Curator and assisting with the improvements to Store 1a.

Doctoral students Ruth Horry, Katy Barrett and Josh Nall continued to help in the Museum on a part-time basis.

With short-term (until March 2015) funding from Connecting Collections (Arts Council England), the Whipple Museum appointed Vashka dos Remedios as a half-time Learning Co-Ordinator. Vashka started in her post in December 2012 and left the museum at the end of September 2013. The Whipple will be recruiting a new Learning Co-Ordinator in the new academic year.

Also as part of the Connecting Collections project, the Whipple welcomed Seb Falk as a 'Connecting with Collections' intern. Working with us from January until the end of June, Seb did some research related to a manuscript at Peterhouse linking it to "King Arthur's Table" (Replica equatorium – Wh.3271), completed a display about his research, gave a talk about his research in the New Gallery and also took part in the Connecting with Collections symposium in September 2013.

The Whipple also received funding from Connecting Collections for a conservator, Jenny Marchant, to join us for six weeks. Jenny undertook a review of conservation needs at the Whipple, advised on updates for our Collections Manual and addressed any specific conservation concerns that the Whipple collections staff had.

Training

18th January 2013

Museum Workshop, Leeds. Vashka dos Remedios attended a workshop about the 'Public History of Science, Technology and Medicine'.

6th March 2013

Observation. Vashka dos Remedios observed Rachel Sinfield at the Fitzwilliam Museum teaching a session about 'Colour and Chemistry' to a group of A-Level students.

7th-8th March 2013

Conference. Vashka dos Remedios attended the University Museums Group conference which discussed the future and roles of University Museums.

26th March 2013

Learning Day. Vashka dos Remedios attended the Faculty of Education PGCE Object Learning Day which was designed to inform new teachers how best to work with objects in their classes.

24th April 2013

Observation. Vashka dos Remedios observed Naomi Chapman at The Polar Museum teaching a class to 8-9 year olds.

15th May 2013

Museum visit. Vashka dos Remedios and Claire Wallace visited the Museum of Technology to discuss their use of volunteers and possible links between the two museums for future exhibitions.

Loans

The Whipple Museum continues to receive requests from other museums for the loan of objects from its collection, evidence of how highly regarded the collection is both nationally and internationally. The Whipple contributes material to exhibitions in other institutions in order to encourage new research in and public enjoyment of its collection. Below is a list of the borrowing institutions, exhibitions held and the objects borrowed during this academic year.

Loans out

Fitzwilliam Museum, Cambridge

Big Draw on Tour, October-November 2012

- HC53 Reproduction Zoetrope
- HC64 Flat orrery with tellurion
- HC74 5-inch plastic terrestrial & celestial globes

Kettle's Yard, Cambridge

House Guests, March-July 2013

- HC63 Black lacquered Stereographoscope Viewer, Early 20th century
- HC61 4 slides to accompany Stereographoscope Viewer

University Library, Cambridge

Read all about it! Wrongdoing in Spain & England in the Long Nineteenth Century,

April 2013-January 2014

- Wh.2744 Creamware phrenological head by Fowler, c.1850
- Wh.6510 Plaster phrenological bust 'Pierre-Francois Lacenaire' attributed to James De Ville, c.1836

Fitzwilliam Museum, Cambridge

Thresholds Finale, May 2013

- Wh.0566 Artificial horizon, 19th century

Fitzwilliam Museum, Cambridge

Summer at the Museums, July-August 2012

- HC43 Organ Tunic

Fitzwilliam Museum, Cambridge

Big Draw on Tour, July-August 2013

- HC64 Flat orrery with tellurion
- HC74 5-inch plastic terrestrial & celestial globes

Loans in

Science Museum

The Acoustical Experiments of Lord Rayleigh, 20th May 2010 – 9th July 2013

1930-407	Instrument for measuring the intensity of vibration in the air
1930-418	Zinc Bell
1930-452	Apparatus for the investigation of the perception of sound direction
1930-445	Apparatus for demonstrating the interference of sound waves
1930-443	Horn with elliptical section
1930-444	Horn with elliptical section

Terling Place

The Acoustical Experiments of Lord Rayleigh, January 2010 – August 2013

Phonic wheel apparatus
Glass bottle with dried peas
Electrically maintained tuning fork
Singing flame apparatus
Wooden box of bird calls
Acoustic interference/iridescence analogue equipment
Self-portrait (glass slide)
Timpani and iron stand
Metronome
Helmholtz resonator and sounder
Siren
Stroboscopic cylinder
Boys apparatus

Cavendish

The Acoustical Experiments of Lord Rayleigh May 2010 – August 2013

Portrait of Lord Rayleigh for Rayleigh Exhibition

Topoi, Berlin

Globes August 2013– ongoing

Replica working model of an ancient globe fragment

New acquisitions

- E491 38 botanical drawings on tiles, by Dillon Weston
 1 coffee table with botanical drawings, by Dillon Weston
 36 folders of botanical drawings by Dillon Weston
 1 envelope of newspaper cuttings on Dillon Weston
 15 reprints of scientific papers from journals and related publications by Dillon Weston
- E492 11 plaster casts of chicken heads, by Reginald Punnett
- E493 Replica Antikythera mechanism
 4 boxes and 6 box files containing material associated with Don Unwin's replicas and
 Cambridge Instruments Company
- E494 'The Great Moon Hoax' bound volume
 Collection of items related to the amusement park ride 'Trip to the Moon'
 Moon globe by Lipsky
 Mars globe by Flammarion
 Venus globe by Replogle
 Venus globe by Replogle
- E495 Potentiometer (with associated documentation) and Galvanometer
- E496 'Trip to Mars by Aeroplane' postcard, c.1910 (ephemera relating to Luna Park ride, Coney
 Island, NY)
- E497 Large frog model (transfer from Zoology)
- E498 The earliest dated cross-staff
 Telescope from a Caleb Smith "Sea Quadrant"
 "Bell" pattern sextant, unfinished casting
 "Elegant" pattern sextant, unfinished casting
- E499 French postcard depicting child looking through a telescope
- E500 Mezzotint 'Dr. Joseph Dalton Hooker, F.R.S. in the Rhododendron Region of the Himalayas'
- E501 Sheet of globe gores associated with the Spanish globe (received from family of globe maker)
- E502 Replica model of an ancient celestial globe
- E503 "Archimedes" apple models by Max Joos, c.1930-50
- E504 Papier-mache and painted wood didactic model of a horse fetlock, c.1881, by Auzoux

Individuals

Annual Reports of Members of the Department

These reports are prepared by the individuals.

Jon Agar

I have continued to be a friend of the department. This year, aside from teaching at the Department of Science and Technology Studies (STS) at UCL, I have been continuing to edit the *British Journal for the History of Science*.

Publications

Agar, J. E. (2013), Sacrificial experts? Science, senescence and saving the British nuclear project. *History of Science*, Volume 51 Part 1, Number 170, March 2013, pp. 63-84

Agar, J. E. (2013), *Constant Touch: a Global History of the Mobile Phone*. Cambridge, MA: Icon. 3rd expanded edition

Agar, J. E. (2013), *Science in the Twentieth Century and Beyond*. Cambridge: Polity Press. E-book edition

Lectures, seminars and conferences

February 2013

‘Working worlds and the history of science’, Manchester/UCL research data

Anna Alexandrova

Won Early Career Fellowship, CRASSH, Cambridge, for Easter term 2013-2014

Became a Fellow of Cambridge Centre for Well-being

Publications

Articles in journals

"Well-being as an Object of Science" *Philosophy of Science* 79 (5):678-689 (2012)

"Doing Well In The Circumstances" *Journal of Moral Philosophy*, 307-328, 10(3) (2013)

Lectures, seminars and conferences

October 2012

“Reasoning about Well-Being” History and Philosophy of Science Department Seminar, Cambridge

January 2013

“Between Philosophy and Psychometrics” British Society for Philosophy of Science Colloquium, LSE

February 2013

“On the Alleged Explanatory Power of the Prisoner’s Dilemma” The structure of Mathematical Economics Workshop, University of East Anglia

May 2013

“The Puzzle of Child Well-being” Cambridge Centre for Well-being Seminar

June 2013

“What the science of well-being should expect from philosophy” Wellbeing and Preferences Workshop, College D’Etudes Mondiale, Paris

Salim Al-Gailani

Publications

Articles in books

‘Pregnancy, pathology and public morals: making antenatal care in early twentieth-century Edinburgh’ in J Greenlees and L Bryder (eds) *Western Maternity and Medicine, 1880-1990* (London: Pickering and Chatto, 2013)

Reviews

Review of S Alberti, *Morbid Curiosities: Medical Museums in Nineteenth-Century Britain*, in *Social History of Medicine* 25 (2012), 545–546

Lectures, seminars and conferences

May 2013

‘Antenatal affairs: discourses of pregnancy and the unborn c. 1900’, *Cabinet of Natural History*, Department of History and Philosophy of Science, University of Cambridge

‘Technologies of pregnancy and birth’, *Science Museum Medical Galleries Consultation Workshop with the Generation to Reproduction group*, Department of History and Philosophy of Science, University of Cambridge

July 2013

‘Constructing the “family values vitamin”: folic acid and the politics of pre-conceptional nutrition in Britain in the 1980s and 1990s’, *Nutritional Guidelines and Standards: Past and Present Perspectives*, University of York

‘Domestic science: life writing, religion and medical identity in Edinburgh around 1900’, *The Return of Biography: Reassessing Life Stories in Science Studies*, Science Museum, London

Scott Anthony



Scott Anthony at the 'Interrogating Economics in the Public Sphere' workshop in April

I am a Research Associate on the ERC-funded 'Economics in the Public Sphere' project based at HPS. The creation of economic knowledge is at the crux of this project, and since being appointed in October I have approached the project from three overlapping historical angles. Firstly, I have conducted a series of interviews with contemporary financial journalists and public relations practitioners. Secondly, I have begun researching the rather longer emergence (and influence of) think tanks with a focus on their deployment of visual methods of communication. Lastly, I have begun to gather material on 'everyday' understanding of economics – of particular interest are first responses to the roll out of electronic banking and the early experience of credit. As well as the above research, we have organised two successful workshops in Cambridge, 'Interrogating Economics in the Public Sphere' in April and 'Economic Reason' in June. In addition to the above, and a limited amount of teaching, I am also currently co-convenor of the Public and Popular History seminar at Cambridge and the Public History seminar at the Institute of Historical Research.

Publications

Online

Review of J. Parikka, *What is Media Archaeology?* In *Reviews in History*:

<http://www.history.ac.uk/reviews/review/1343> (2012)

Reviews

Review of E. Robinson, *History, Heritage and Tradition in Contemporary British Politics: Past Politics and Present Histories* in *Twentieth Century British History* (2013)

Lectures, seminars and conferences

November 2012

‘Imaginative Bureaucracy: Stephen Tallents and the “public relations” movement’, *NACBS Annual Conference*, Montreal, Canada

“‘Tate not state”: PR in Britain from imaginative bureaucracy to media advocacy’, Departmental research seminar, University of Huddersfield

‘Public History: Working with Cultural Institutions, Community Groups and the Media’, *History and Consultancy: Opportunities for Early-Career Historians*, History Lab, University of Manchester

January 2013

“‘Tate not state”: PR in Britain from imaginative bureaucracy to media advocacy’, Departmental research seminar, Bournemouth University

Respondent: “University engagement with museums and audiences”, AHRC PHoSTEM workshop, University of Leeds

February 2013

‘Governing for happiness: Mark Abrams, subjective social indicators and the post-war advance of “middle-opinion”’, work-in-progress workshop, HPS Cambridge

March 2013

‘Mapping and Money: Posters, Economics and Public Information’, *Posters: Collection, Creation and Context*, Victoria & Albert Museum

June 2013

‘Stephen Tallents and the “public relations” movement in inter-war Britain’, *Picturing Propaganda* education event, British Library

‘Coining it: The Monarch and Her Money in the 1980s’, *New Elizabethans 1953-2013: Nation, Culture, and Modern Identity*, Institute of English Studies, University of London

August 2013

‘The British Official Film beyond the British Official Film’, *The Documentary Film in South and South-East Asia*, Hong Kong Baptist University, Hong Kong

Alexi Baker

Alexi Baker was a post-doctoral Research Associate on the AHRC-funded project ‘The Board of Longitude 1714–1828: Science, Innovation and Empire in the Georgian World’ with Professor Simon Schaffer from 2010 to September 2013. She then became an Affiliate of the Department, and a Mellon-Newton Interdisciplinary Research Fellow at the Centre for Research in the Arts, Social Sciences and Humanities (CRASSH) at Cambridge for 2013–2015. In addition to her work and planned conference at CRASSH, Dr Baker will continue to edit the whole of and to write at least half of the Board of Longitude project book (Palgrave Macmillan 2015), and to contribute to the University Library’s digitisation project ‘Navigating 18th Century Science and Technology: the Board of Longitude’. She is also writing a book based upon her doctoral and postdoctoral research on the optical, mathematical and philosophical instrument trade of early modern London.

Publications

Articles in books

‘Vernacular GIS: mapping early modern geography and socio-economics’, in Alexander von Lünen and Charles Travis (eds.), *History and GIS: Epistemologies, Considerations and Reflections* (Springer 2013), 89-110

Articles in journals

‘“Precision”, “perfection” and the reality of British scientific instruments on the move during the 18th Century’, *Material Culture Review* 74-75 (Spring 2012 issue; published 2013), 14-29

Online

‘The elusive ladies of the longitude’, Board of Longitude blog, 16 October 2012:

<http://blogs.rmg.co.uk/longitude/2012/10/16/the-elusive-ladies-of-the-longitude/>

‘Tainted by trade’, Board of Longitude blog, 28 October 2012: <http://blogs.rmg.co.uk/longitude/2012/10/28/tainted-by-trade/>

‘Longitude and a Christmas lark’, Board of Longitude blog, 29 December 2012:

<http://blogs.rmg.co.uk/longitude/2012/12/29/longitude-and-a-christmas-lark/>

‘Revisiting California’s Maritime Past’, Board of Longitude blog, 8 March 2013:

<http://blogs.rmg.co.uk/longitude/2013/03/08/revisiting-californias-maritime-past/>

‘Meteorites and mediators of material culture’, Board of Longitude blog, 14 March 2013:

<http://blogs.rmg.co.uk/longitude/2013/03/14/meteorites-and-mediators-of-material-culture/>

‘Instruments, earwax, and an astronomical grudge’, Board of Longitude blog, 30 March 2013:

<http://blogs.rmg.co.uk/longitude/2013/03/30/instruments-earwax-and-an-astronomical-grudge/>

‘Astronomy and the search for Easter’, Board of Longitude blog, 31 March 2013:

<http://blogs.rmg.co.uk/longitude/2013/03/31/astronomy-and-the-search-for-easter/>

‘Navigation and technology in the dock at the Old Bailey’, Board of Longitude blog, 15 April 2013:

<http://blogs.rmg.co.uk/longitude/2013/04/15/navigation-and-technology-in-the-dock-at-the-old-bailey/>

‘Foreign friends to the British Board of Longitude (1714-1828), international war, and espionage’, ICHSTM 2013 blog, 23

May 2013: <http://www.ichstm2013.com/blog/2013/05/23/foreign-friends-to-the-british-board-of-longitude-1714-1828-international-war-and-espionage/>

‘“A snake into your chimney-corner”: early modern crime and the extended family’, Crime in the Community: Old Bailey

Online & London Lives blog, 30 May 2013: <http://crimeinthecommunity.wordpress.com/2013/05/30/a-snake-into-your-chimney-corner-early-modern-crime-and-the-extended-family/>

‘International perspectives on longitude at ICHSTM – Part One’, Board of Longitude blog, 30 July 2013:

<http://blogs.rmg.co.uk/longitude/2013/07/30/international-perspectives-on-longitude-1/>

‘International perspectives on longitude at ICHSTM – Part Two’, Board of Longitude blog, 30 July 2013:

<http://blogs.rmg.co.uk/longitude/2013/07/30/international-perspectives-on-longitude-2/>

30 contextual volume summaries & 15 contextual essays for the CUL project ‘Navigating 18th Century Science and Technology: the Board of Longitude’, going online at: <http://cudl.lib.cam.ac.uk/search?keyword=alexi+baker>

Reviews

Review of the conference 'Curiously Drawn: Early Modern Science as a Visual Pursuit' at the Royal Society 21-22 June 2012 in BSHS *Viewpoint* 99 (2012), 10

Lectures, seminars and conferences

November 2012

'Technology, tools and toys: selling "scientific" instruments in early modern London', presented at the seminar series 'Economic and Social History of the Premodern World, 1500-1800', Institute of Historical Research, London, 2 November 2012.

July 2013

'Friends from foreign parts: international correspondents and collaborators of the British Board of Longitude', presented at the 24th International Congress of History of Science, Technology and Medicine in Manchester, 27 July 2013.

September 2013

'The Willdey telescopes: reading the early modern instrument trade in gilt leather and glass', presented at the conference 'The Lives of Objects' at the Oxford Centre for Life-Writing, 20-22 September 2013.

Debby Banham

I've had a busy teaching year, developing new courses on medieval manuscripts for master's students at Birkbeck and on medieval and Renaissance Latin for graduates at the Institute of Historical Research in London, and running weekend courses on Latin and palaeography at Madingley Hall, as well as supervising three graduate students working on various aspects of early medieval medicine at the Department of Anglo-Saxon, Norse and Celtic here in Cambridge, and my usual undergraduate teaching at both ends of the railway line (I do seem to have spent a lot of time on trains this year). Last but not least, I have enjoyed another successful year as tutor to the Latin Therapy group in HPS: this year we have read a lot of medical recipes. Meanwhile, I've found time to give a few papers, co-organise the medieval Generation to Reproduction conference with Peter Jones, and grow historic cereals at Newnham College.

Lectures, seminars and conferences

September 2012

'Growing cereals and making bread in Anglo-Saxon England', Early Farming Group, Oxford

November 2012

'The staff of life: bread in Anglo-Saxon England', retirement conference for Dr Jane Renfrew, MacDonald Institute, University of Cambridge

December 2012

organiser, with Peter Jones, *Generation and Reproduction in the Middle Ages*, King's College and Department of History and Philosophy of Science, University of Cambridge

March 2013

'I fix the share and coulter to the plough: written and pictorial evidence for ploughs and ploughing in Anglo-Saxon England', *Ploughing Ahead*, School of Archaeology, University of Oxford

May 2013

'Anglo-Saxon peasant cooking', Medieval Diet Group, Rewley House, University of Oxford

June 2013

'What did the "East" mean to the compilers of medical texts in early medieval England?' *The Ottomans and Health: a comparative perspective*, Newnham College, Cambridge

July 2013

'Early medieval Cambridge', Battle Conference on Anglo-Norman Studies, Lucy Cavendish College, Cambridge

August 2013

'Farming in early medieval England and Ireland: comparisons, contrasts, contacts?' International Society of Anglo-Saxonists conference, University College and Trinity College, Dublin

Andrew Barry

From March-July 2013 I was visiting scholar to the German Research Foundation (DFG) programme on *Adaptation and Creativity in Africa: Technologies and Significations in the Production of Order and Disorder*. I will be joining UCL as a Chair of Human Geography in September 2013.

Publications

Edited Books

(with Georgina Born) *Interdisciplinarity: Reconfigurations of the Social and Natural Sciences*, London: Routledge, 320pp

Articles in books

(with Georgina Born), 'Interrogating Interdisciplinarity', in Barry, A. and Born, G. (eds.), 1-56

(with Gisa Weszkalnys), 'Multiple Environments: accountability, integration, and ontology', in Barry, A. and Born, G. (eds.), 178-208

(with Georgina Born), 'Art-Science: from public engagement to public experiment', in A. Barry and G. Born (eds.), 247-269

Articles in journals

'The Translation Zone: between actor-network theory and international relations',

Millennium: Journal of International Studies, **41**, 3, 413-429

Lectures, seminars and conferences

October 2012

‘Actor-network Theory and International Relations’, keynote speaker at *Materialism and World Politics* conference, LSE

December 2012

‘Energy, Materiality, Cosmopolitics’, *Politics and Matter* workshop, Department of Geography, University of Bristol

February 2013

‘The Technological Constitution of Europe?’ European Science Foundation workshop on *Making Europe: The Social Sciences and the Production of European Integration*, University of Copenhagen

April 2013

‘Between Politics and Cosmopolitics: the design of informed materials, symposium on *What is Cosmopolitical design?* School of Architecture, Princeton University

‘The Territory of Transparency: Oil and Politics in the South Caucasus’, Centre for Area Studies, University of Leipzig.

‘Economy and the Archive’, Department of Anthropology and Philosophy, Halle University

May 2013

‘Between Politics and Cosmopolitics’, workshop on *Isabelle Stengers: Constructivism in Practice*, School of Geography and the Environment and St Catherine’s College, Oxford

June 2013

‘The Impacts of the Anthropocene’, conference on *The Society of the Anthropocene*, Cabot Institute, University of Bristol

‘Resources, Infrastructures, Impacts: Notes on the Relation between Anthropology and STS’, Department of Social Anthropology, University of Göttingen

‘Investigations of Oil: Materiality, Infrastructure and Impact’, workshop on Oil/Water, University of Oslo

July 2013

‘Translating Actor-Network Theory: Music’s Resistance’, conference on *Music, Digitization, Mediation: Towards Interdisciplinary Music Studies*, Faculty of Music, Oxford University

‘After Neo-Liberalism?’ Department of Social Anthropology, Leipzig University

Christina Benninghaus

Publications

Articles in journals

Beyond Constructivism? Gender, Medicine and the Early History of Sperm Analysis, Germany 1870-1900, in: *Gender & History*, 24, 3, November 2012, pp. 647–676

Lectures, seminars and conferences

November 2012

Infertility: The making of a modern experience; Departmental seminar, HPS, Cambridge

Burning desires and unprecedented options. Infertility, illegitimacy and the rise of organised adoption, Germany 1900-1937, CIRF, Cambridge

Eine neue Art, unfruchtbar zu sein – Die Einführung der Tubendurchblasung um 1920; Medzinhistorisches Institut und Museum, Universität Zürich, Switzerland

January 2013

Diskrete Geburten und verschenkte Kinder. Illegitimität und Adoption im frühen 20. Jahrhundert; Conference "Eine Kulturgeschichte der Fertilität", Imshausen, Germany

February 2013

Religion and the medical treatment of infertility, Germany ca. 1750-1930; Religion and Medicine seminar series, King's College London

June 2013

Life postponed – on time, gender and the experience of infertility, Germany 1850-1930; Long 19thC history seminar series on "time", University of Oxford

July 2013

Making it happen – diagnosing and treating infertility in Weimar Germany, Conference on: Infertility in History, Science and Culture, University of Edinburgh

Trans-uterine tubal insufflation: the making of a standard procedure in infertility diagnosis; iCHSTM, Manchester

Marie-Françoise Besnier

Marie-Françoise Besnier has been working in the HPS Department from March 2009 to December 2012, on the project led by Eleanor Robson, the "Geography of Knowledge in Assyria and Babylonia". She is currently affiliated to the Department. Her research deals with questions related to textual transmission in Ancient Mesopotamia (end of second and first millennia BC), in order to better understand the ways and mechanisms of the production and dissemination of knowledge through the study of scholarly literacy, more precisely cuneiform texts related to Mesopotamian medicine.

Publications

Articles in books

"Remarques préliminaires sur la place des textes d'Emar et d'Ougarit dans l'établissement de la liste lexicale *Ur₅-ra = *hubullu* III*" *Scribes et érudits dans l'orbite de Babylone*, (Orient et Méditerranée 9), Paris: de Boccard (2012), pp. 119-138

"On the Junipers of Ugarit. Part I, The Word *dīpranu* and its wanderings", in collaboration with R. Hawley, P. Boutrolle et Cl. Chanut, *Scribes et érudits dans l'orbite de Babylone*, (Orient et Méditerranée 9), Paris: de Boccard (2012), pp. 201-259

Online

On the website ‘Geography of Knowledge in Assyria and Babylonia’:

In ‘Scribal Apprenticeship’: ‘Lexical Lists’ <http://oracc.museum.upenn.edu/cams/gkab/scribalapprenticeship/lexicallists/> and ‘Literary Works’ <http://oracc.museum.upenn.edu/cams/gkab/scribalapprenticeship/literaryworks/> (introduction: Eleanor Robson)

In ‘The World of the *āšipu*’:

‘Divinatory series’ <http://oracc.museum.upenn.edu/cams/gkab/theworldoftheipu/divinatoryseries/> and ‘Healing Texts’ <http://oracc.museum.upenn.edu/cams/gkab/theworldoftheipu/healingtexts/>

Lectures, seminars and conferences

November 2012

Folk Taxonomy and the Lexical List UR5-ra = *hubullu* III, Floriental Annual Meeting, Paris

January 2013

The Transmission of the Series *Šumma Ālu* and *Šumma Izbu* in First Millennium ‘Libraries’: Examples of Hypertextuality in Ancient Mesopotamia, BANEA, Cambridge

February 2013

When the Archaeologists are looking for a Legend: the (re)-invention of the Hanging Gardens of Babylon, Cabinet of Natural History, HPS Department, Cambridge

Jonathan Birch

Jonathan began a Junior Research Fellowship at Christ’s College in September 2012. His PhD dissertation, *Kin Selection: A Philosophical Analysis*, was submitted in January 2013 and successfully defended in June. He is currently investigating how recent developments in microbiology challenge traditional theories of the evolution of cooperation.

Publications

Articles in journals

‘Robust processes and teleological language’, *European Journal for Philosophy of Science* 2(3):299-312

‘On the “simulation argument” and selective scepticism’, *Erkenntnis* 78(1):95-107

Reviews

‘Explaining the human syndrome’ (Review of Kim Sterelny: *The Evolved Apprentice*), *Metascience* 22(2):347-350

Lectures, seminars and conferences

November 2012

‘Altruism and relatedness in microbial populations’, CamPoS Seminar, University of Cambridge

February 2013

‘Gene mobility and the concept of relatedness’. Invited talk, London School of Economics and Political Science

‘Selection and maximization’. HPS Departmental Seminar, University of Cambridge.

March 2013

‘Propositional content in signalling games’. Invited talk, University of Cambridge

April 2013

‘Hamilton’s rule, payoff additivity and the phenotypic gambit’. Foundations of Social Evolution Workshop, University of Bristol

May 2013

‘Two ways of mathematising evolution’, Mathematising the Sciences, University of East Anglia

‘Propositional content in signalling games’. Evolution, Intentionality and Information, University of Bristol

June 2013

‘Propositional content in signalling games’. Consortium for the History and Philosophy of Biology, Duke University

July 2013

‘Gene mobility and the concept of relatedness’. British Society for the Philosophy of Science, University of Exeter

‘Gene mobility and the concept of relatedness’. International Society for the History, Philosophy and Social Studies of Biology, University of Montpellier

Adrian Boutel

Publications

Articles in journals

‘How to be a Type-C physicalist’ *Philosophical Studies* 164 (2013), 301-320

Lectures, seminars and conferences

January 2013

‘A Science of Human Nature’, *CRA series*, Clare College, Cambridge

February 2013

‘Winchgenstein and functional explanation’, *CamPoS*, Cambridge University

Alex Broadbent

Alex is Associate Professor of Philosophy at the University of Johannesburg. His research interests include the metaphysics of causation, the philosophy of epidemiology, and issues related to both of these in jurisprudence.

Publications

Books

2013. *Philosophy of Epidemiology*. Palgrave Macmillan: London.

Articles in books

2013. 'Explanation and Responsibility', in Kahmen, B. and Stepenians, M. (eds.), *Causation and Responsibility – Critical Essays*. De Gruyter

Articles in journals

2012. 'Philosophy and Preventive Medicine.' *Preventive Medicine* 55: 575-576

2012. 'Causes of causes.' *Philosophical Studies* 158: 457-476

Reviews

2013. 'Steven S. Coughlin. *Causal Inference And Scientific Paradigms In Epidemiology*.' Book Review in *Preventive Medicine*, 56: 90-91

Lectures, seminars and conferences

November 2012

Conference: European Congress of Epidemiology, Porto. Speaker. Talk: 'The Myth of Translation.'

July 2013

Symposium: *Evidence in Healthcare Reform*. Brocher Foundation, Geneva. Organiser and speaker. Talk: 'What Makes Evidence Useful?'

Conference: International Society for the History, Philosophy and Social Studies of Biology, Montpellier. Speaker. Talk: 'Cancers, viruses, and the contrastive model of disease.'

Robert Bud

Robert Bud is Keeper of Science and Medicine at the Science Museum, London. This year he served too as the Sarton Professor at the University of Ghent, Belgium and gave the Sarton Lecture at Ghent. His long term project is a history of the concept of applied science from the Fall of the Bastille in July 1789 to the raising of the Iron Curtain in November 1989.

Publications

Articles in books

'Medicine at the Science Museum, London' in Sam Alberti and Elizabeth Hallam ed, *Medical Museums Past Present and Future*, Royal College of Surgeons, 2013, pp 6-73

Articles in journals

'Life, DNA and the model', *The British Journal for the History of Science* 46 (June 2013), 11-334

'Introduction: Focus. Applied Science', *Isis* 103 (2012), 515-517

'Applied Science: A term in search of a meaning', *Isis* 103(2012), 537-545

Reviews

Review of Duncan Wilson. *Tissue Culture in Science and Society: The Public Life of a Biological Technique in Twentieth Century Britain*, in *American Historical Review*, 117(2012), 1668-1669

Review of Martin Carrier and Alfred Nordmann eds. *Science in the Context of Application* in *Ambix* 59 (2012), 302-304

Review of Leslie Tomory. *Progressive Enlightenment: The Origins of the Gaslight Industry, 1780–1820* in *Chemical Heritage Magazine*, Spring 2013

Lectures, seminars and conferences

November 2012

'Remaking ideas about science in public: the cases of biotechnology, penicillin and applied science in the twentieth century', Sarton Lecture, 22 November 2012

'Anticipating Revolution: The Uses of Life and the Expectation of Biotechnology', Symposium on the history of biotechnology, Ghent Science Museum, 21 November 2012

"Opportunity vs. Risk: The Changing Culture of the Early 1960s," History of Science Society, San Diego

"Nuclear power in Britain", "Going Critical: 70 Years of Nuclear Energy", Universitat Pompeu Fabra, Barcelona

"Between Porton and Prague: what circulated in an age of biological warfare management", *Drugs and the Cold War: Science, Standards and Politics in Europe*, University of Rome

December 2012

'Narratives of science-practice in the 19th century as inspired by accounts of chemical practice and Watt in particular', Society for the History of Alchemy and Chemistry, The Science Museum, 8 December

February 2013

'The phantom of the miracle cure: the wonder-drug frame round the penicillin picture' in the Rest is Noise Festival on the South Bank, 10 February

April 2013

'Concluding Comments', *Futures past and present of antibiotic resistance*, Oslo, 21 April

July 2013

‘Multimedia as an art form for communicating the history of science’, 23 July and ‘The categories of pure and applied science during and after World War I’, 25 July, at the International Congress on the History of Science, Manchester

Tatjana Buklijas

Tatjana Buklijas is a research fellow at Liggins Institute, University of Auckland. She is also supervising medical dissertations at Medical University of Vienna and PhD theses at University of Dubrovnik. In 2013, she has taught a new course on ‘Historical and philosophical topics in reproduction, heredity and development’ in the Faculty of Medical and Health Sciences of the University of Auckland.

Publications

Articles in books

‘From evolution and medicine to evolutionary medicine’ in Michael Ruse (ed.), *The Cambridge Encyclopedia of Darwin and Evolutionary Thought*, Cambridge: Cambridge University Press, 2013, pp. 505-513 (with PD Gluckman)

‘Ulazak laboratorija u psihijatrijsku bolnicu’ [Laboratories enter psychiatric hospitals], in Marko Pećina and Stella Fatović-Ferenčić (eds.) *Ludnica i ludžbarnica: Razvoj laboratorija u psihijatrijskoj bolnici* [*Development of laboratories in psychiatric hospitals*], Zagreb: Croatian Academy of Sciences and Arts, 2012, pp. 89-97, in Croatian

Articles in journals

‘Sir Graham Collingwood (Mont) Liggins. 24 June 1926 – 24 August 2010’, *Biographical Memoirs of Fellows of the Royal Society*, doi: 10.1098/rsbm.2012.0039, published online before print 3 April 2013 (with PD Gluckman)

Reviews

Elizabeth Hurren, Dying for Victorian Medicine: Anatomy and Its Trade in the Dead Poor, c. 1834-1929, *Bulletin of the History of Medicine* 87(2013): 125-26.

Lectures, seminars and conferences

September 2012

‘Beyond the thrifty genotype: developmental and evolutionary perspectives on diversity in disease susceptibility’, *Postgenomic Perspectives on Human Diversity*, University of Sydney, 6-7 September 2012

Soraya de Chadarevian

During 2012-13 I was on sabbatical leave from the University of California Los Angeles. I was a Visiting Fellow at the Max Planck Institute for the History of Science in Berlin from February to April and spent the remaining time in Cambridge working on my new book manuscript, partly supported by a small research grant from the Wellcome Trust.

Publications

Articles in books

‘Putting human genetics on a solid basis: human chromosome research, 1950s-1970s’ in B Gausemeier, S Mueller-Wille, E. Ramsden (eds) *Human Heredity in the Twentieth Century* (London: Pickering & Chatto Publishers)

(with J-P Gaudillière) ‘Experimente mit Ribosomen’ in L Daston and J Renn (eds) *Festkolloquium für Hans-Jörg Rheinberger: Beiträge zum Symposium am 24.1.2011 im Max-Planck-Institut für Wissenschaftsgeschichte* (Preprint 433), 9-16.

Articles in journals

‘Epistemology and history’, *History and Philosophy of the Life Sciences* 35 (2013), 13-18

Lectures, seminars and conferences

October 2012

‘Heredity under the microscope: human chromosome research 1950s-1970s’, *Twentieth Century Think Tank*, Department of History and Philosophy of Science, Cambridge, UK

November 2012

Discussion of *Designs for Life*, *Twentieth Century Reading Group*, Department of History and Philosophy of Science, Cambridge, UK

Representation and visualization in modern science (session chair), History of Science Society Annual Meeting, San Diego

March 2013

‘Following chromosomes: human heredity in the atomic age’, *New Materialities: Current Paradigmas in Cultural Studies Seminar Series*, University of Bochum (Germany)

April 2013

‘Reflections on hosting the DNA and History seminars at UCLA’, *Contemporary genetics and uses of historical narrative*, Max Planck Institute for the History of Science, Berlin

‘Chromosome surveys of human populations: between epidemiology and anthropology’, Max Planck Institute for the History of Science, Berlin

June 2013

‘Understanding the science behind big-data production: epidemiological assumptions’ (commentary on paper by S. Leonelli), *From gene-targeted tests to genome-wide data in cancer genetics: a paradigm for the development of personalised genomic medicine?* Institute Curie, Paris

July 2013

‘Human population studies and the World Health Organisation’, International Society for the History, Philosophy and Social Studies of Science, Montpellier

September 2013

In-n-out of California: circulating things and the globalization of the West Coast (commentator), University of California San Francisco

Hasok Chang

This was my third year in post in HPS. I have maintained an active schedule of activities both inside and outside the Department. This year I had an unusual range of opportunities to give high-profile presentations, which included: my inaugural lecture at Cambridge, the BSHS Presidential Address (given as the opening plenary lecture at the International Congress, see below), 3 public lectures, and 6 invited plenary/keynote lectures at various subject-specific conferences/workshops. These and other speaking engagements took me to 11 different countries.

Throughout this academic year I have served as President of the British Society for the History of Science (BSHS), and in that capacity played a major role in the organisation of the International Congress of the History of Science, Technology and Medicine (held in Manchester in July 2013). I also remain an Associate Editor of the *British Journal for the History of Science*.

I have also continued in my key roles in the Society for Philosophy of Science in Practice (which held its 4th biennial conference in Toronto in June 2013), in the International Committee for Integrated HPS, and in the UK Network for Integrated HPS (which held its 8th annual workshop in Aberdeen in April 2013). I have also continued to serve on the governing Council of the Society for History of Alchemy and Chemistry.

Within Cambridge I have jointly led the Cambridge Philosophy of Science (CamPoS) network in its first year of activities, including the weekly seminar series. My collaborative agreement with the Department of Chemistry also continues, though the level of activity in 2012-13 has been low. Within HPS I continue to play a leading role in the running of AD HOC (also its London branch) and the Philosophy and History of Physics Reading Group.

During the Lent Term (January to March) I took a sabbatical leave from Cambridge, and spent most of that period in South Korea. While there I was affiliated with the Transdisciplinary Research Group at the Korea Institute of Advanced Study (KIAS) in Seoul, and established many valuable academic links with colleagues at KIAS and elsewhere in Korea.

Publications

Articles in books

‘Incommensurability: Revisiting the Chemical Revolution’, in Vasso Kindi and Theodore Arabatzis, eds., *Kuhn’s The Structure of Scientific Revolutions Revisited* (London: Routledge, 2012), 153-178.

‘Practicing Eighteenth-Century Science Today’, in Mario Biagioli and Jessica Riskin, eds., *Nature Engaged: Science in Practice from the Renaissance to the Present*, a volume in honour of John Heilbron, in Palgrave Studies in Cultural and Intellectual History (New York: Palgrave Macmillan, 2012), 41-58.

Articles in journals

- ‘Acidity: The Persistence of the Everyday in the Scientific’, *Philosophy of Science* 79 (2012), 690–700. DOI 10.1086/667900
- ‘Making and unmaking gold: Confessions of an Anti-alchemist’, *Whole Terrain* [a journal of environmental practice], vol. 20: *Heresy* (2013).

Reviews

- ‘Historical and philosophical perspectives on quantum chemistry’ (review of Kostas Gavroliu and Ana Simoes, *Neither Physics Nor Chemistry: A History of Quantum Chemistry*, Cambridge, Mass.: The MIT Press, 2012), *Metascience* DOI 10.1007/s11016-013-9782-6

Lectures, seminars and conferences

October 2012

- ‘Scientific Pluralism and the Mission of History and Philosophy of Science’, inaugural lecture, University of Cambridge, 11 Oct.
- ‘Can Historical Experiments Improve Science Education?’, plenary lecture at the First Regional Conference of the International History, Philosophy and Science Teaching (IHPST) Group, Seoul, 19 Oct.

November 2012

- ‘Teaching Theory-Choice Through Immersion’, biennial conference of the Philosophy of Science Association, San Diego, California, 15 Nov.

December 2012

- ‘The Science–Philosophy Relation: A Historical Perspective’ [on William Whewell], at the workshop ‘Philosophy and the Sciences — Old Visions, New Directions’, jointly hosted by CamPoS and the ‘Philosophy of Science in a European Perspective (PSE) project, at CRASSH, University of Cambridge, 1 Dec.
- ‘Water: The Long Road to H₂O’, at the University of Vienna, 6 Dec.
- ‘The Chemical Revolution Revisited: Theory-Choice, Incommensurability, and Pluralism’, at the Institute of Philosophy, Hungarian Academy of Sciences, Budapest, 10 Dec.
- ‘The Chemical Revolution Revisited: Theory-Choice, Incommensurability, and Pluralism’, at the Technische Universität Berlin, 12 Dec.

February 2013

- ‘Foresight in Scientific Method’, Darwin Lecture, Darwin College, Cambridge, 8 Feb.
- ‘The Definition and Measurement of Temperature: From the Invention of Thermometers to Kelvin’s Absolute Temperature’, colloquium at the School of Physics, Korea Institute of Advanced Study, 14 Feb.
- ‘보이지 않는것의 시각화: 19세기 원자 모델과 실재론’ (‘Visualizing the Invisible: 19th-century Atomic Models and the Realism Debate’), public lecture jointly hosted by the Korea Institute of Advanced Study and the Asan Policy Research Institute, Seoul, 26 Feb.

March 2013

- ‘양자물리학에서의 측정: 이론과 실험간의 괴리’ (‘Measurement in Quantum Physics: The Gap between Theory and Experiment’), seminar for 양자역학의 기초에 관한 철학적 성찰 모임 (Group for the Philosophical Study of the Foundations of Quantum Mechanics), at the City University of Seoul, 2 Mar.
- ‘예견이란 무엇인가? 미래예측의 과학사’ (‘What is Foresight? Prediction and the History of Science’), special seminar for 한국미래학회 (Korean Association of Futurology), at the Asan Policy Research Institute, Seoul, 7 Mar.
- ‘노벨상 이야기 그만해야 노벨상 나온다’ (‘If We Want Nobel Prizes, We Should Stop Talking About Them’), lecture broadcast for *세상을 바꾸는 시간* 15분 (15 Minutes to Change the World), CBS Television, Seoul, 4 Mar.
- ‘Operationalism: Old Lessons and New Challenges’, plenary lecture at the conference ‘Dimensions of Measurement’, sponsored by the BiCoDa Network, at the University of Bielefeld, 16 Mar.
- “Water”, *In Our Time*, BBC Radio 4, 28 Mar.

April 2013

- ‘Joseph Priestley, Champion of Enlightenment in Science and Education’, public lecture at the Royal Society of Chemistry, London, 4 Apr.
- ‘How Does a Battery Work? Scientific Controversy and the Role of Philosophy’, at the 8th Annual UK Integrated HPS Workshop, University of Aberdeen, 11 Apr.
- ‘The Challenge of Measurement: Lessons from the Case of Temperature’, at the Department of Philosophy, Faculty of Technology, Policy and Management, Delft University, Netherlands, 15 Apr.
- ‘Visualising the Invisible: Atomic–Molecular Models in 19th-century Chemistry’, for the Chemical and Physical Society, University College London, 30 Apr.

May 2013

- ‘Philosophy of Scientific Practice: The Challenge of the Social’, keynote lecture for the workshop ‘Crossing the Divides: Exploring Boundaries & Overlaps between Sociology & Philosophy in Science & Bioethics’, at Brunel University, 14 May
- ‘Complementary Science: Using History and Philosophy to Improve Science’, keynote/public lecture for HumSci Workshop [connecting the humanities and the sciences], at University College London, 28 May

June 2013

- ‘What Constitutes Science?’ philosophy of science lecture to the Improvement Science Development Group, The Health Foundation, at the London School of Economics, 7 June
- ‘Making Water — With Electricity’, at the 4th Biennial Conference of the Society for Philosophy of Science in Practice, at the University of Toronto, 28 June

July 2013

- ‘Putting Science Back in History of Science’, BSHS Presidential Address, given as the opening address at the International Congress of the History of Science, Technology and Medicine, at the University of Manchester, 22 July
- ‘Learning New Science from Old Experiments’, at the International Congress of the History of Science, Technology and Medicine, at the University of Manchester, 27 July

‘Is Chemistry Just Applied Physics?’, plenary lecture at the 2013 Summer Symposium of the International Society for the Philosophy of Chemistry, Montevideo, Uruguay, 31 July



Hasok Chang giving the opening address at the International Congress of the History of Science, Technology and Medicine

August 2013

‘A Case for Pluralism in Science’, lecture at the Faculty of Exact and Natural Sciences, Buenos Aires, Argentina, 5 Aug.

September 2013

‘Reductionism and the Relation between Chemistry and Physics’, plenary lecture at the Congress on Logic and Philosophy of Science, Ghent University, 17 Sep.

Christopher Clarke

Lectures, seminars and conferences

March 2013

Explanation in the Social Sciences: Methodological Individualism Defended

Cambridge Philosophy of Science Network (University of Cambridge, 6th March 2013)

May 2013

Why Prefer Explanations at Diverse Levels?

Departmental Seminar (University of Bristol, 15th May 2013)

Serious Metaphysics Group (University of Cambridge, 8th May 2013)

July 2013

Selection at the Cultural Level? Methodological Individualism and Group Selection

Meeting of the International Society for the History Philosophy and Social Studies of Biology (Montpelier, 7-12th July 2013)

September 2013

Beyond Invariance: How Psychology Deepens Social Science Understanding

Joint Conference of the European Network for the Philosophy of the Social Sciences and the Philosophy of Social Science Roundtable (University of Venice Ca' Foscari, 3-4th September 2013)



Andrew Buskell, Tim Lewens and Christopher Clarke at the Conference of the International Society for the History, Philosophy and Social Studies of Biology held in Montpellier

Helen Anne Curry

Helen Anne Curry arrived in Cambridge in August 2012 to begin as lecturer in the Department. She was elected a fellow of Churchill College in November, and serves as a member of the Cambridge Forum for Sustainability and Environment. She continues to blog occasionally for *AmericanScience*, a team blog sponsored by the Forum for the History of Science in America (americanscience.blogspot.com).

Lectures, seminars and conferences

November 2012

'Atoms in agriculture: nuclear science as agricultural outreach in the United States, 1945-1960', Department of Science and Technology Studies, University College London

'Radiation and restoration: saving the American chestnut tree in the atomic age', Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge

May 2013

'Gamma rays and garden flowers: American horticulture encounters the atomic age', Symposium in honour of Ruth Schwartz Cohen, Department of History and Sociology of Science, University of Pennsylvania, Philadelphia

June 2013

'Evolution to order: plant breeding and the production of novelty', Ischia Summer School on the History of the Life Sciences, Villa Dohrn, Ischia, Italy

July 2013

'Garden biotech: amateur experimental biology in the twentieth century', 24th International Congress for the History of Science, Technology, and Medicine, Manchester

September 2013

'Endangered crops: conservation genetics and agricultural crisis in the United States, 1950-1975', School of History, University of St. Andrews, Fife

Patricia Fara

I advised on and also appeared in two major TV documentaries for BBC2, one on Isaac Newton and one on Marie Curie (filmed on location in Paris). For BBC Radio 3, I wrote and read a 15-minute *Essay* on Newton, which was featured in *Pick of the Week*; for BBC Radio 4, I am the consultant for a seven-part series called *The Seven Ages of Science*, and I will also be interviewed for several episodes. I am the Chief Editorial Consultant for Dorling Kindersley's *Science Year by Year* (approx. 500 pages, large format).

Publications

Books

Erasmus Darwin: Sex, Science & Serendipity (USA edition) (OUP, 2012)

Articles in books

'What Newton means today,' in D. Alexander (ed) *The Isaac Newton Guide Book* (Faraday Publishing, 2012), pp. 83-91

Articles in journals

'Weird sisters', *Nature* 495 (7 Mar 2013), 43-4

'Isaac Newton's *Principia*', *Nature* (before Sep 2013)

Online

Joseph Banks: <http://publicdomainreview.org/2013/04/04/joseph-banks-portraits-of-a-placid-elephant> (2013)

Reviews

Review of J. Buchwald & M. Feingold, *Newton and the origin of civilisation*, in *Metascience* (before Sep 2013)

Review of G. Lynall, *Swift and Science: The Satire, Politics, and Theology of Natural Knowledge, 1690-1730*, in *British Journal for the History of Science* 46 (2013) 165-6

Review of W. Bynum, *A Little History of Science*, in *History Today*, March 2013, pp. 61-2

Review of M. Kang, *Sublime Dreams of Living Machines: The Automaton in the European Imagination*, in *American Historical Review* 117 (2012) 151-2

Review of L. Ferreiro, *Measure of the Earth: The Enlightenment Expedition that Reshaped the World*, in *British Journal for the History of Science* 45 (2012), 685-6

Review of B. Wardhaugh, *Poor Robin's Prophecies: A Curious Almanac, and the Everyday Mathematics of Georgian Britain*, in *Literary Review*, Dec 2012, p. 75

Review of George Dyson, *Turing's Cathedral: The Origins of the Digital Universe*, in *BBC History*

Lectures, seminars and conferences

October 2012

'The other Doctor Darwin', Lichfield Literary Festival, Lichfield

'The other Doctor Darwin', Manchester Literary Festival, Manchester

January 2013

'Ghosts of women past,' Journée Georges Bram, Ecole Normale Supérieure, Paris

March 2013

'Breaking the Barriers', International Women's Day, Science Museum, London

'The other Doctor Darwin', Open University Enlightenment day, British Museum, London

May 2013

'Ghosts of women past,' Dept of Psychiatry, Addenbrooke's Hospital, Cambridge

July 2013

'Looking laterally, not literally,' WISRnet conference, Royal Society, London

John Forrester

John Forrester was Head of Department in 2012-13, standing down on 31.8.13. He also served on the Council of the School of Humanities and Social Sciences, on the School's Resource Committee during 2012-13, on the Human, Social and Political Science Tripos Management Committee, the Psychological and Behavioural Sciences Tripos Management Committee and the PublicHealth@Cambridge Strategic Research Network Steering Committee. Throughout the year, he continued to act as co-convenor, with Prof. Andrew Webber, Department of German, of an interdisciplinary group, *Culture and History of Psychoanalysis*, sponsored by CRASSH, and its reading group. He continues to edit the journal *Psychoanalysis and History*. He is a participant in the activities of the Wellcome Trust supported 'Generation to Reproduction' Group and participates in the *Generation to Reproduction Reading Group*.

Publications

Articles in books

‘The English Freud: W.H.R. Rivers, dreaming and the making of the early twentieth century human sciences’ in: Alexander, Sally and Barbara Taylor (eds.), *History and Psyche*: London: Palgrave, 2012, pp. 71-104

Other

‘Editorial’ *Psychoanalysis and History* 15(1) 2013: 1-3

‘Editorial’ *Psychoanalysis and History* 15(2) 2013: 123-6

Lectures, seminars and conferences

September 2012

‘Discussion: Totalitarian Century? Freudian Century? Writing the History of Psychoanalysis. John Forrester and Eli Zaretsky in Conversation’ Psychoanalysis in the Age of Totalitarianism, Wellcome Trust Centre, 21-22 September, 2012

March 2013

‘Understanding (through) the voice’ Paper delivered to The Location of Knowledge: A Mellon CDI Conference, 8 March 2013, CRASSH, University of Cambridge

May 2013

‘Round-table Discussion’ with Lyndal Roper and Barbara Taylor, Launch of *History and Psyche. Culture, Psychoanalysis and the Past*, eds. Sally Alexander and Barbara Taylor, London: Palgrave, 2012, Freud Museum, London, 15th May 2013

Roger Gaskell

Online

‘Bibliography of Images’, Addendum and Errata to Roger Gaskell, ‘Printing House and Engraving Shop A Mysterious Collaboration’, *The Book Collector*, 35 (2004) 213–251. Posted on *Origins of Science as a Visual Pursuit*

<http://picturingscience.wordpress.com/2012/05/23/bibliography-of-images/>

Reviews

Sachiko Kusakawa, *Picturing the Book of Nature*, Chicago, 2012 *The Library* 7.14.2, June 2013, 218–220

Lectures, seminars and conferences

October 2012

‘Books and Libraries, HPS Part II lecture, 11 October 2012

‘The Board of Longitude’ participant, HPS paper 3 Primary Source Seminar, 17 October 2012

December 2012

‘Science, Illustration and the Royal Society’, Antiquarian Booksellers Association Educational Trust and Institute of English Studies (London University), 11 December 2012

February 2013

‘How to use Printed Books as Original Sources’, Graduate Training Workshop, with Anna Jones and Jim Secord Whipple Library, 1 and 8 February 2013

April 2013

‘A Peculiar Facility for Imagining: Visual Strategies in the early Royal Society’, Hofer Lecture, Houghton Library, Harvard University, 16 April 2013

June 2013

‘Collation and Referencing Workshop’, with Anna Jones, Whipple library, 19 June 2012

July 2013

‘The Illustrated Scientific Book to 1800’, 1 week residential course, Rare Book School, University of Virginia, 29 July – 2 August 2013

Jeremy Gray

On 1 September I was elected an Inaugural Fellow of the American Mathematical Society.

Publications

Books

Henri Poincaré: a scientific biography (Princeton University Press 2012)

(with U Bottazzini) *A history of complex function theory* (Springer 2013)

Articles in books

‘Poincaré’s uniformisation theorem’, *Festschrift for Christian Gilain*, (Presses de l’Université de Nancy 2012), 595-626.

Articles in journals

‘Poincaré and the idea of a group’, *Nieuw Archief voor Wiskunde*, 13 (2012), 178—186

‘Poincaré replies to Hilbert: on the future of mathematics, ca. 1908’, *Mathematical Intelligencer*, 34 (2012) 15-29

Lectures, seminars and conferences

November 2012

‘Poincaré on understanding mathematics’ Poincaré *Centenary Colloque*, Paris, November 19 – 23

March 2013

‘Poincaré and good mathematics’, *British Mathematical Colloquium*, Sheffield

April 2013

‘On the cusp of the new physics: Henri Poincaré and mathematical physics one hundred years ago’,

European Mathematical Society, Aarhus, Denmark

May 2013

‘Poincaré and proof’, *Two Decades at the Interface of Mathematics and Physics*: the 20th anniversary conference of the Erwin Schrödinger Institute, Vienna

August 2013

‘Henri Poincaré: mathematician, physicist, philosopher’, *MathFest*, American Mathematical Society and Mathematical Association of America, Hartford, CT, USA

Beth Hannon

This year involved organizing four key events in the ‘Science of Human Nature?’ project’s schedule: our first audit by the ERC, the visits of Professor Kim Sterelny and Dr Christina Toren, and our first conference, ‘Extension and Embodiment in Cultural Evolution’, to take place in September of this year. The project’s website has been developed over the year and now provides a good showcase for the work being done on our project (<http://www.humannature.hps.cam.ac.uk>). The first phase of the development of the Cambridge Philosophy of Science website (<http://www.camposgroup.org/>) was also completed this year. I have also been working as the Assistant Editor and Book Reviews Editor for the *British Journal for the Philosophy of Science*.

Publications

Articles in books

Hannon, E. and Lewens, T. (2013). ‘[Cultural Evolution](#)’, in Jonathan Losos (ed.), *The Princeton Guide to Evolution*, New Jersey, Princeton University Press

Vanessa Heggie

In November Vanessa accepted a permanent position at the University of Birmingham, based in the Medical History Unit of the Medicine, Ethics, Society and History group. As a University Fellow she will be writing up her second book on athletes as experimental objects, while developing a third monograph on extreme physiology and scientific exploration. Until starting her new position in February 2013, Vanessa taught and managed Paper 5, as well as contributing to the HEM and IB courses.

Publications

Articles in books

"Subjective Sex: science, medicine and sex tests in sport" in Hargreaves & Anderson, (eds). *Routledge Handbook of Sport, Gender and Sexuality* (Routledge, 2013)

Online

"How to discover an antibiotic: a historian's guide" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/jun/17/discover-new-antibiotics-historical-hints> (Jun. 2013)

"Everest: an international scientific collaboration" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/may/29/everest-anniversary-international-science> (May 2013)

"Close shaves on Everest: technology and success" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/may/22/close-shaves-technology-everest> (May 2013)

"Mount Everest, amphetamines, and the ethics of experiment" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/may/15/everest-amphetamines-medical-ethics> (May 2013)

"The first flight over Everest: a Physiologist's Dream" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/apr/03/first-flight-over-everest-physiology> (Apr. 2013)

"How (not) to argue with sceptics and deniers: a historian's guide" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/mar/07/how-to-argue-with-sceptics-and-deniers> (Mar. 2013)

"What's Killing Us: statistics, tuberculosis and the McKeown Thesis" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/mar/05/mortality-statistics-mckeown-history-tuberculosis> (Mar. 2013)

"The Science of Ripper Street" *Guardian: The H-Word* <http://www.guardian.co.uk/global/the-h-word/2013/feb/03/victorian-science-of-ripper-street> (Feb. 2013)

"Diets, fads and the methods of science" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2013/jan/08/history-science> (Jan. 2013)

"Lost science of the Antarctic (and everywhere else)" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2012/dec/20/history-science> (Dec. 2012)

"Doctors, welfare and the deadly workhouse" *Cost of Living Blog* <http://www.cost-of-living.net/doctors-welfare-and-the-deadly-workhouse/> (Nov. 2012)

"Doctors, welfare and the deadly workhouse" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2012/nov/27/history-science> (Nov. 2012)

"The great Everest oxygen debate: was anyone really a 'rotter'?" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2012/nov/09/history-science> (Nov. 2012)

"Cambridge University's Victorian prison for prostitutes" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2012/oct/19/history-science> (Oct. 2012)

"Long before the Paralympics there was the Deaflympics" *Guardian: The H-Word* <http://www.guardian.co.uk/science/the-h-word/2012/sep/05/paralympics-deaflympics> (Sept. 2012)

Reviews

(2013) "Active Bodies: A History of Women's Physical Education in Twentieth Century America" *Journal of the History of Medicine and Allied Sciences* 68, 495-7

Lectures, seminars and conferences

October 2012

“Travel, exploration and survival: a new history of bioprospecting” Modern & Contemporary History Seminar, University of Birmingham

July 2013

“Macro-bioprospecting: global histories of science through Pemmican and Vibrams™”, *iCHSTM*, Manchester

“Why blog? An introduction”, *iCHSTM*, Manchester

“Discussion: social media, public engagement and the history of science, technology and medicine”, *iCHSTM*, Manchester

“Unusual Patients: Sport and Exercise Medicine since c.1850”, *International Congress of Physiological Sciences*, Birmingham

Nick Hopwood

Nick Hopwood, a senior lecturer in the Department, spent the academic year on research leave funded by our Wellcome Trust strategic award in the history of medicine on ‘Generation to Reproduction’ and continued to manage various research and outreach activities under this grant. He will deliver the final manuscript of a book on *Icons of Darwinism: Pictures of Embryos and Charges of Fraud* to the University of Chicago Press this summer. His book on *Embryos in Wax* was reprinted. He joined the editorial board of *Annals of Science*.

Publications

Articles in journals

‘La política dels models’, *Actes d’Història de la Ciència i de la Tècnica*, new series 4 (2011), 131–137. [Published October 2012]

‘Anatomist and embryo: a portrait sculpture’, *The Lancet* 381 (2013), 286–287

Lectures, seminars and conferences

October 2012

Introduced and led discussion of the film *Proteus*, Darwin Correspondence Project ‘Darwin and human nature’ series, Arts Picturehouse Cambridge (podcast: <https://soundcloud.com/darwin-correspondence/nick-hopwood-proteus>)

December 2012

‘Making visible embryos’, guest lecturer at *Ultrasound 2012*, the 44th annual scientific meeting of the British Medical Ultrasound Society, Telford

January 2013

- ‘Communicating reproductive science: Claims to human *in vitro* fertilization’, Institute for History of Medicine, College of Medicine, Yonsei University with the Korean Society for the History of Medicine, Seoul
- ‘Icons of Darwinism: Pictures of embryos and charges of fraud’, History and Philosophy of Science, Seoul National University
- ‘Communicating reproductive science: Claims to human *in vitro* fertilization’, Graduate School of Science and Technology Policy, Korea Advanced Institute of Science and Technology, Daejeon
- ‘Visible embryos as products of science and art’, keynote lecture, *Images, Artistic and Scientific*, Korea Institute for Advanced Study, Seoul

May 2013

- ‘Communicating reproductive science: Claims to human *in vitro* fertilization’, Centre for Medical History, University of Exeter
- Talk at launch of Malcolm Nicolson and John E. E. Fleming, *Imaging and Imagining the Fetus: The Development of Obstetric Ultrasound*, Royal College of Physicians and Surgeons, Glasgow
- (with K Maggs) Organized and spoke at a half-day consultation workshop on the new Science Museum medical galleries, Generation to Reproduction group, University of Cambridge

July 2013

- (with J Browne, C Groeben and S Mueller-Wille) Co-organized the week-long Thirteenth Ischia Summer School on the History of the Life Sciences, Ischia, Italy, on the theme *Creating Life: From Alchemy to Synthetic Biology*, with support from the Wellcome Trust, Max Planck Institute for the History of Science, National Science Foundation and Naples Zoological Station
- ‘Babies “created” in test tube, scientist claims’, *Creating Life: From Alchemy to Synthetic Biology*, Thirteenth Ischia Summer School on the History of the Life Sciences, Ischia, Italy
- ‘Communicating reproductive biology: Claims to human *in vitro* fertilization’ and Commentary on ‘Outsourcing biomedicine’, International Society for History, Philosophy and Social Studies of Biology meeting, Montpellier

September 2013

- ‘Der Embryologe und sein Homunkulus. Ein Doppelporträt um 1900 zwischen Wissenschaft und Öffentlichkeit’, *‘Erkenne Dich selbst!’ Strategien der Sichtbarmachung des Körpers*, German Hygiene Museum, Dresden

Shelley Innes

Publications

Edited books

- (with F. Burkhardt and the Darwin Correspondence Project) (2013) *The Correspondence of Charles Darwin* vol. 20, Cambridge University Press

Nick Jardine

Nick retired in September 2010, but remains committed to lecturing, graduate supervision and training, and helping with the organization of seminars, notably the Latin and Greek Therapy Groups, the Cabinet of Natural History and the Kant Reading Group. He has just completed, with Adam Mosley (University of Swansea) and Miguel Granada (University of Barcelona), a critical edition, with English translation, commentaries and essays on Christoph Rothmann's *Scriptum de cometa 1585*, in press with Brill. The AHRC project of which he is PI "Diagrams, Figures and the Transformation of Astronomy, 1450–1650" (with Sachiko Kusukawa, Isla Fay, Liba Taub, Isabelle Pantin and Chris Lewis) has flourished, holding regular seminars, editorial meetings and translation sessions. It has been extended to September 2014. Its website is well advanced, and papers emanating from its seminars and 3rd international conference have appeared as a special double-issue of *Early Science and Medicine*. Nick is still working on his long-promised book *On Histories of the Sciences*. Since January 2011 he has greatly enjoyed his role as senior consultant on the Cambridge Scientific Heritage Project (in association with John Forrester, Liba Taub, Lydia Wilson and others). A special issue of *Studies in History and Philosophy of Science* on "Recent Material Heritage of the Sciences", co-edited with Lydia Wilson, is in press, and he is currently preparing policy recommendations for the preservation and display of recent scientific heritage materials in Cambridge. Last, but not least, he is devoting ever more time to the study of fungi.

Publications

Edited special issues

Images in Comparative Perspective: Visual Forms in Astronomy, Medicine and Mathematics, 1470–1650, special double issue of *Early Science and Medicine*, 18/1&2, 2013 (ed. and intro. with Isla Fay)

Recent Material Heritage of the Sciences, special issue of *Studies in History and Philosophy of Science* (ed. and intro. with Lydia Wilson), 42/4 (2013).

Article in collection

"Kepler's 'lightly woven cosmography': on the sources, identity and significance of Kepler-Ms 18, 238v-241r, Russian Academy of Sciences, St Petersburg", in V. Morch, ed., *Omnia in uno: littérature, philosophie, philologie et histoire des sciences de l'Antiquité à la Renaissance*, Paris, 2012, 453–465

Journal articles

"How to present a Copernican comet: the form and tactics of Christoph Rothmann's *Dialexis* on the comet of 1585", in D. Tessicini and P. J. Boner, eds, *Celestial Novelties on the Eve of the Scientific Revolution 1540-1630*, Florence, Olschki, 2013, 159-183

"Reflections on the preservation of recent scientific heritage in dispersed university collections", *Studies in History and Philosophy of Science*, 42 (2013), 735-743

Essay review

"Objectivity, epistemology and critique: essay review of L. Daston and P. Galison, *Objectivity*", *British Journal for the Philosophy of Science*, 63, 2012, 885–893

Seminar

"Kepler's Temple of Urania in the light of Hebenstreit's Idyll", HPS Dept. Seminar, 21 Feb., 2013

Richard C Jennings

Richard Jennings directs the studies for about a quarter of the HPS IB students and supervises them in philosophy of science. He is Director of Studies in Philosophy for Homerton College, Murray Edwards College, and Queens' College. He runs workshops on Ethical Conduct and the Ethics of Scientific Practice for the Graduate programme at the Wellcome Trust Sanger Institute as well as for the final year and first year graduate students in the University of Cambridge, Department of Physics.

Publications

Edited books

(with David Bennett) *Successful Agricultural Innovation in Emerging Economies: New Genetic Technologies for Global Food Production*, (Cambridge University Press, March 2013)

Articles in books

'Social and ethical issues raised by NGOs and how they can be understood' in Bennett and Jennings (eds) *Successful Agricultural Innovation in Emerging Economies: New Genetic Technologies for Global Food Production*, Cambridge University Press, 2013.

Lectures, seminars and conferences

December 2012

Invited participant Cambridge University Science and Policy Exchange (CUSPE) roundtable discussion "Science and Censorship"

February 2013

Invited participant CUSPE roundtable discussion "Space Exploration in Times of Crisis"

"Ethics in/of Physics" two workshops on ethical issues that arise in the practice of physics, Cavendish Laboratory, Cambridge
Scientists for Global Responsibility stall at "The Works" – Cambridge University's alternative careers fair

March 2013

"Ethics in/of Physics" two workshops on ethical issues that arise in the uses of physics, Cavendish Laboratory, Cambridge

May 2013

Workshops on Ethical Conduct of Research, Wellcome Trust Sanger Institute

June 2013

Workshops on Ethical problems in the Use and Practice of Science, Wellcome Trust Sanger Institute

Stephen John

Publications

Articles in books

2013 “Cancer screening, risk stratification and the ethics of apt categorisation: a case study”, in Strech, D, Hirschberg, I and Marckmann, G. (eds.) *Ethics in Public Health and Health Policy* (Springer International)

Reviews

2012 “No genes, please, we’re British: Essay review of John Dupré and Barry Barnes, *Genomes and what to make of them*”, *Studies in History and Philosophy of Biological and Biomedical Sciences*, 43(4), 428-430

2012 “Mind the gap: Essay review of Heather Douglas, *Science, Policy and the Value Free Ideal*”, *Studies in History and Philosophy of Science Part A* 43 (1):218-220

Lectures, seminars and conferences

March 2013

“From tea-party to p-values: the social epistemology of the climate change debate” CAMPOS seminar, University of Cambridge

“The social determinants of health and racial IQ difference” Ideas and Reality in Social Ethics Conference, University of Newport

“It all depends what you mean by public” Launch of Public Health network, University of Cambridge

May 2013

“Inductive risk and the ethics of communication” Departmental Seminar, History and Philosophy of Science, University of Cambridge

September 2013

“The social determinants of health and racial IQ difference” Priority in Practice Workshop, University College London

Lauren Kassell

Lauren Kassell has been promoted to Reader in History of Science and Medicine from October 2013. She spent this year on sabbatical, funded by a Wellcome Trust Leave Award. She is writing a book on magic in early modern England. She directs the Casebooks Project (<http://www.magicandmedicine.hps.cam.ac.uk/>) and, with Elaine Leong (MPI), has initiated the Notebooks Network (<http://notebooks.hypotheses.org/>). As a Principal Investigator on the Wellcome Strategic Award on

‘Generation to Reproduction’, headed by Nick Hopwood, (<http://www.reproduction.group.cam.ac.uk/>), she is contributing to re-writing the history of reproduction from antiquity to the present.

Publications

Articles in books

‘Medical Understandings of the Body, c.1500-1750’, in Kate Fisher and Sarah Toulalan (eds), *The Routledge History of Sex and the Body in the West, 1500 to the Present* (London: Routledge, 2013), pp. 57-74.

Online

Lauren Kassell (ed.), with Mike Hawkins, Rob Ralley, and John Young, *The Casebooks Project: A Digital Edition of Simon Forman’s and Richard Napier’s Medical Records, 1596-1634* (2009-13)

<http://www.magicandmedicine.hps.cam.ac.uk/>

Lectures, seminars and conferences

October 2012

‘Medical Records in Early Modern England’, ‘Ärztliche Praxis 17.-19. Jahrhundert Abschlusstagung des DFG Projektes’, Institut für Geschichte der Medizin der Robert Bosch Stiftung, Stuttgart

‘Medical Records in Early Modern England’, Edinburgh History of Medicine Group, Royal College of Physicians of Edinburgh: www.rcpe.ac.uk/library/listen/index.php

November 2012

‘Medical Casebooks in Early Modern England’, History of Healthcare Seminar Series, Centre for Humanities and Health, King’s College London

April 2013

“‘A new trade in divillitie’: Dispossession and Medicine in Early Modern England’, Plenary Public Lecture for ‘Demons and Illness: Theory and Practice from Antiquity to the Early Modern Period’, University of Exeter and Royal Albert Memorial Museum

July 2013

Respondent to Anthony Grafton at ‘Notebooks, Medicine and the Sciences’, Department of History and Philosophy of Science, University of Cambridge

September 2013

Chair of plenary discussion, ‘Healthy Living in Pre-Modern Europe: The Theory and Practice of the Six Non-Naturals (c.1400-c.1700)’, IHR, London

Elselijn Kingma

Elselijn Kingma joined the Department in January 2013 on a two-year teaching and research position, replacing Hasok Chang in Lent 2013 and Tim Lewens for all of the 2013/2014 academic year. She taught the 1B Theory and Evidence Course in Lent. Only activities since joining the Department are included in this report.

Publications

Articles in books

2013. 'Naturalist Accounts of Disorder' In: Fulford, K.W.M., Davies, M., Graham, G.; Sadler, J., Stanghellini, G. & Thornton, T. (Eds.) *Oxford Handbook of Philosophy and Psychiatry*. Oxford: OUP.

Articles in journals

With Godman, M. 2013. 'Interdisciplinary Workshop in the Philosophy of Medicine: bodies and minds in medicine'. *Journal of Evaluation in Clinical Practice*; 19.

Online

2013. 'Improving our thinking'. *Association for the Improvement of Maternity Services Newsletter*

Lectures, seminars and conferences

January 2013

'Dysfunction and Biological Variation: a problem for SE accounts of function' 30 January 2013, Cambridge University Philosophy of Science Group, Cambridge, UK

March 2013

'How Many in a Pregnancy?' 7 March 2013, University of Cambridge Women in Philosophy Group, Cambridge, UK

'A (very) Tentative Solution to the Non-Identity Problem' 26 March 2013, 'Population Ethics Workshop', Eindhoven University of Technology, NL

July 2013

Scheduled to present 23rd July at Philosophy of Psychiatry conference, KCL

Melanie Keene

Melanie continued as a Junior Research Fellow at Homerton College, where she acted as Director of Studies for HPS and sat on several College committees. She lectured and supervised on the history of education in the Education Faculty. She remains editor of *Viewpoint*, magazine of the British Society for the History of Science, for whom she also judged the 2013 Dingle Prize.

Publications

Articles in journals

‘From candles to cabinets: ‘familiar chemistry’ in early Victorian Britain’, *Ambix* 60 (2013), 54-77

Online

‘Total eclipse of the lamp’, iCHSTM blog, <http://www.ichstm2013.com/blog/2013/06/27/total-eclipse-of-the-lamp/>

Lectures, seminars and conferences

July 2013

‘Familiarity at work: how to learn about the solar system’, 24th International Congress of the History of Science, Technology and Medicine, University of Manchester

Sachiko Kusakawa

My research this year has focused on the pictorial practices of the Royal Society. I have organised several meetings for the AHRC Network, ‘Origins of Science as a Visual Pursuit: the case of the early Royal Society’, and I also found a set of fossils drawings by Robert Hooke in the British Library, which had escaped the notice of scholars until now.

Publications

Articles in books

‘The Fossil Drawings by Robert Hooke and Richard Waller’, *Notes and Records of the Royal Society* 67 (2013): 123-38

Lectures, seminars and conferences

January 2013

‘Richard Waller’s Colour Chart (1686)’. *Colour Terminology: An International Workshop on the History Use and Semantics of Colour*, Max Planck Institute for the History of Science, Berlin

March 2013

Unsung Heroes: artistic contributors to the early Royal Society, *History of Science Lectures*, The Royal Society, London

April 2013

April 2013: ‘The Origin of Science as a Visual Pursuit’, *Recent Trends in the History of Science*, San Diego, Renaissance Society of America, San Diego

April 2013: ‘The Role of the Visual in the History of Science: A historiographic review’, Keynote Lecture, *Scientiae: Disciplines of Knowing*, University of Warwick

September 2013

‘Concepts of colour in university textbooks in the 16th century’, *Early Modern Colour Practices, 1450-1650*, Max Planck Institute for the History of Science, Berlin

Gerald Kutcher

I am continuing to work on major book with working title *High Expectations: A History of Cancer Therapy*, which received a Harpur College, Binghamton University Dean’s Research Grant for the academic year 2012/13.

Publications

Articles in books

“A Case of Human Experimentation: The Patient as Subject, Object and Victim.” In *Cancer Patients, Cancer Pathways: Historical and Sociological Perspectives (Science, Technology and Medicine in Modern History)* edited by Carsten Timmerman and Elizabeth Toon. Manchester: Palgrave MacMillan, 2012, pp. 57-77.

Lectures, seminars and conferences

April 2013

“Research in the Wild: Controversies Over the US War on Cancer.” Decker School of Nursing, Binghamton University, April 2013

May 2013

Controversy, Mistrust even Witchcraft: The Failure of Neutron Cancer Therapy.” Department of History and Philosophy of Science, University of Cambridge, May 2, 2013

Magali Krasny

I am a PhD student on the ERC-funded ‘Economics in the Public Sphere’ project based at HPS. The creation of economic knowledge is the central point of the project. Since the beginning of my PhD research in October 2012, I have explored this matter working on the public life of pieces of written economic expertise in France. The main part of the year has been allocated to the analysis of the network of agents involved in this process: journalists, citizens, economists, and economic

experts of all kinds and to the observation of the stages of the making public of economic knowledge in order to give proposals for improvements.

I have begun my fieldwork (25th April-11th May and 23rd to 31st May 2013), interviewing economists, journalists and civil servants in Paris, taking contacts for the more extensive fieldwork beginning next September, meeting academics (historians and philosophers mainly) working on fields of research close to mine in France. The last aspect of my fieldwork was to make first observations of the state of the economic Public Sphere (creation of a museum of the economy in Paris, exhibition to explain economic matters to citizens, free conferences and festivals related to economic issues).

As well as the above research, I have participated in the organisation of two workshops: ‘Interrogating Economics in the Public Sphere’ (18-19 April 2013) and ‘Economic Reason’ (28 June 2013).

Allison Ksiazkiewicz

In February 2013, I was awarded a PhD for my dissertation on the use of aesthetics in late eighteenth- and early nineteenth-century studies of the earth. Presently, I am preparing the dissertation as a book for submission to Yale University Press. This year I supervised 1B History of Science students from Emmanuel, Churchill, Corpus Christi, King’s, New Hall and Sidney Sussex, and well as those students enrolled in Paper 4 ‘Science and its Publics’. In recent months, I successfully pitched a curatorial project to the Exhibition Officers at the University Library based on my dissertation chapter that examined the use of colour in early nineteenth-century geological maps. Due to a fully booked programme at the UL’s Exhibition Centre, *Tinting the geological landscape: the making of geological maps* (tentative title) has been scheduled for the Autumn 2017–Winter 2018 programming slot.

Publications

Reviews

Review of Jed Z. Buchwald and Mordechai Feingold, *Newton and the Origin of Civilization*, in *The British Journal for the History of Science*, 46 (2013), 345–347.

Lectures, seminars and conferences

November 2012

‘The age of reptiles’ and the pharaohs of ancient Egypt: the frontispiece of George Fleming Richardson’s *Geology for beginners* (1842 and 1843), Natural History Cabinet Seminar, Department of History and Philosophy of Science, University of Cambridge

‘Antiquarianism: the eighteenth-century antiquary’, Field Notes Series, CRASSH, Cambridge University

February 2013

‘Sir Joseph Banks, Thomas Pennant and the isle of Staffa as ‘natural’ architecture’, *Thomas Pennant’s tours: curiosity, travel and the Welsh/Scottish Enlightenment*, Glasgow University

July 2013

‘Dinosaur display at the Royal Tyrrell Museum’, *Fossil work: making paleontological specimens and knowledge*, 24th International Congress for the History of Science, Technology and Medicine, University of Manchester

Geoffrey Lloyd

In June 2013 I won the Dan David Prize for the Past Time Period.

Publications

Articles in books

Foreword to A. Marcos *Postmodern Aristotle* (Cambridge Scholars Publishing)

‘Aristotle on the natural sociability, skills and intelligence of animals’ in *Politeia* eds. V. Harte and M. Lane (Cambridge University Press) ch. 14, pp. 277-93

Articles in journals

‘Response to comments on *Being, Humanity and Understanding*’, *Hau* 3: 204-0

Lectures, seminars and conferences

October/November 2012

Turner lectures in philosophy of science, Trinity College, Cambridge, 4 lectures and a seminar

I Democracy and Demonstration II Gurus, Experts and Idiots: The Modalities of Debate

III Heuristics and its Hazards IV Ontologies and Values

January 2013

‘Foresight in Ancient Civilisations’, Darwin College Lecture series on Foresight

‘Introduction’ to conference on *Comparing Ancient Worlds: Greece and China*

March 2013

‘The Comparative History of Ancient Science’, conference at University College London

April 2013

‘The Prospects for the History of Ancient Science’, conference in honour of Professor Heinrich von Staden, Princeton University

June 2013

‘Where is the history of ancient science going and where should it go’, conference on Comparativisms, ANHIMA, Paris

‘Nature and Culture: A Cautionary Tale’ Tel Aviv University

‘The History of Ancient Science: A Personal View’, opening address to Israeli Classical Society Meeting, Tel Aviv

Scott Mandelbrote

Scott Mandelbrote is Fellow and Director of Studies in History at Peterhouse, where he is also Fellow Librarian. He is a co-director of the 'Bible and Antiquity in the Nineteenth Century' project, funded by the ERC and based at CRASSH; an editorial director of the Newton Project, based at the University of Sussex; and a board member of the 'Revisioning the Cambridge Platonists' research network, funded by the AHRC.

Publications

Books

Richard Crashaw: Catalogue of an Exhibition held at Peterhouse (Peterhouse: Cambridge, 2013).

Articles in books

'Isaac Vossius and the Septuagint', in E. Jorink and D. van Miert (eds), *Isaac Vossius (1618-1689) between Science and Scholarship* (Leiden: E.J. Brill, 2012), pp. 85-117.

'Newton: The Bible Scholar', in Dennis R. Alexander (ed.), *The Isaac Newton Guidebook* (Cambridge: Faraday Institute, 2012), pp. 45-54.

'Early Modern Natural Theologies', in Russell Re Manning et al. (eds), *The Oxford Handbook to Natural Theology* (Oxford University Press, 2013), pp. 75-99.

(with Jean-Louis Quantin), 'Augustine in the Seventeenth and Eighteenth Centuries', in K. Pollmann and W. Otten (eds), *Oxford Guide to the Historical Reception of Augustine*, (Oxford: Oxford University Press, forthcoming August 2013), pp. 83-96.

'Isaac Newton', in K. Pollmann and W. Otten (eds), *Oxford Guide to the Historical Reception of Augustine*, (Oxford: Oxford University Press, forthcoming August 2013), pp. 954-5.

Articles in journals

'Making the Bible English', *History Workshop Journal*, 75 (2013), 265-73.

Reviews

Review of Jeffrey R. Wigelsworth, *Selling Science in the Age of Newton*, in *Centaurus*, 54 (2012), 194-6.

Review of Ingrid Tiekens-Boon van Ostade, *The Bishop's Grammar: Robert Lowth and the Rise of Prescriptivism in English*, in *Historiographia Linguistica*, 39 (2012), 398-402.

Review of Andreas Pečar, *Macht der Schrift*, in *Journal of Modern History*, 85 (2013), 170-2.

Lectures, seminars and conferences

February 2013

'Isaac Newton and his Books', Warburg Institute

March 2013

‘A Newly Discovered Catalogue and the Library of Peterhouse in the 1630s and 1640s’, Emmanuel College Library, Special Collections Lecture

April 2013

‘The Cambridge Platonists and their Critics’, Revisioning the Cambridge Platonists, Cambridge

June 2013

‘Illustrating Palmyra’, Royal Society

‘Facsimiles: The Camera and the Critic’, CRASSH

July 2013

‘Languages, Inscriptions, and Exchange’, paper and co-organisation of conference on European-Ottoman Exchange, CRASSH
The Newton Lecture, King’s School, Grantham

Lara Marks

Publications

Online

On February 14 2013 I launched a website called What is Biotechnology? (www.whatisbiotechnology.org). Since its launch, over 8,500 visitors have viewed over 20,000 pages on the website. Large numbers of visitors have visited the site from around the world, coming not only from the UK and the USA, but also Argentina, India, Canada, Australia, Malaysia and Egypt. The website is also already listed highly on Google's search engine. One of the most popular sections of the website has proven an exhibition on the life and work of Cesar Milstein and the making of monoclonal antibodies which featured in Argentina's national newspaper La Nacion and became one of the top 5 posts of all time on the MRC's Insight blog.

Tiago Mata

Tiago Mata is a Senior Research Associate at the Department and Principal Investigator in the European Research Council funded project “Economics in the Public Sphere”. Since 2011, he is a founder and contributor to the blog *History of Economics Playground*: <http://ineteconomics.org/blog/playground>.

Publications

Articles in journals

(with Tom Scheiding) ‘National Science Foundation patronage of social science, 1970s and 1980s: Congressional scrutiny, advocacy network, and the prestige of economics’, *Minerva* 50 (2012), 423-449

Reviews

Review of Andrew Yarrow's 'Measuring America: How Economic Growth Came to Define American Greatness in the Late Twentieth Century', *History of Political Economy* 44 (2012), 715-717.

Review of Philip Mirowski's 'Science-Mart', *Journal of Economic Methodology* 20 (2013), 75 – 81

Lectures, seminars and conferences

November 2012

'Modernism and Vanguardism: Fortune in the Great Depression' *Annual meeting of the European Society for the History of Science*, Athens, Greece

'The knowledge practices of Fortune magazine: leadership, numeracy, beauty, 1930-1940' *Departmental Seminar, History and Philosophy of Science*, University of Cambridge, UK

January 2013

'Fortune magazine: group journalism, text and pretext, 1930-1940' *Annual meetings of the Allied Social Sciences Associations*, San Diego, USA



Tiago Mata presenting at the 'Interrogating Economics in the Public Sphere' Workshop.

March 2013

'American business magazines in the Great Depression' *Seminar of the Center for Financial History*, Newham College, Cambridge, UK

April 2013

Co-organizer of 'Interrogating Economics in the Public Sphere', *workshop of the ECONPUBLIC project*, Department of History and Philosophy of Science, University of Cambridge, UK

June 2013

Co-organizer of 'Economic reason: intellectuals and think tanks in the late twentieth century', *workshop of the ECONPUBLIC project*, Department of History and Philosophy of Science, University of Cambridge, UK.

July 2013

'The age of shock: economic ontologies in 1970s American magazines', *24th International Congress of History of Science, Technology and Medicine*, Manchester, UK.

Anita McConnell

Anita McConnell was invited to the setting-up and opening of the exhibition 'Dal Cielo alla Terra' mounted by the Istituto Nazionale di Geofisica e Vulcanologia in January 2013, comprising a wide range of 19th century Italian seismological and meteorological apparatus.

Publications

Articles in books

'Hiding in the forest ... the Gilberts' rural scientific instrument manufactory' in London and beyond, Essays in honour of Derek Keene, edited by Matthew Davies and James A. Galloway, (Institute of Historical Research: 2012), 123-132
(With Jacqueline Carpine-Lancré) 'Prince Albert and J.Y. Buchanan: Mediterranean investigations' in *Places, People, Tools: Oceanography in the Mediterranean and Beyond*, Proceedings of the VIIIth International Congress for the History of Oceanography, edited by Christiane Groeben, (Naples: Giannini Editore, 2012), 253-263

Articles in journals

'Jesse Ramsden: the craftsman who believed that big was beautiful.' *The Antiquarian Astronomer* Issue 7 (2013), 41-53

Reviews

'Review of Exhibition in Italy: Dal Cielo alla Terra' *Royal Meteorological Society, History Group Newsletter* 2013/1, 19-20

Lectures, seminars and conferences

January 2013

'Early barometers, forecasting and networks', Institute of Physics, London. 10 January

Richard A. McKay

Dr McKay joined the Department in January 2013 as a Wellcome Trust Research Fellow, following the completion of his DPhil in History at the University of Oxford in 2011 and an ESRC postdoctoral research fellowship at King's College, London. His current research investigates the process by which men who had sex with men became linked to concerns about venereal disease transmission in mid-twentieth-century North America and the United Kingdom.

Publications

Articles in books

'Sex and Skin Cancer: Kaposi's Sarcoma Becomes the "Stigmata of AIDS", 1979-1983', in Jonathan Reinarz and Kevin Siena, eds., *A Medical History of Skin: Scratching the Surface* (London: Pickering & Chatto, 2013), 113-27

Lectures, seminars and conferences

March 2013

‘Uncertainties, Risk & Blame: A History of HIV/AIDS’, Part II Paper 5: Modern Medicine and Biomedical Sciences, Medicine and Science in the Twentieth Century, History and Philosophy of Science, University of Cambridge

May 2013

“‘VD is no Camp”: Communicating Information About Venereal Disease Amongst Men Having Sex with Men in New York and Beyond in the 1960s’, Annual Meeting of the American Association for the History of Medicine, Atlanta

‘Historical Reflections on “Patient 0” and Sexual Health Amongst MSM in the Mid-Twentieth Century’, Turning Research Into Prevention Seminar, Department of HIV/AIDS Prevention, Centers for Disease Control, Atlanta

Simon Mitton

I am a College Fellow (St Edmund’s), and my academic field is, broadly speaking, the history of astronomy. I tend to work mostly on the 20th century because I have degrees in physics and in astrophysics. The narrative style that I have developed places an emphasis on individuals as practitioners. By contrast, most history of astronomy written at a popular level by professional physicists emphasises instrumentation, experimentation, equations, and observatories. My latest book (co-author J. P. Ostriker) is *Heart of Darkness, Unravelling the Mysteries of the Invisible Universe*. In the narrative I treat the history of intellectual puzzles such as: how structure arose in the universe, why galaxies formed, and the chance discoveries of the microwave background, the dark matter, and the dark energy. The stories are played out through the lives of the philosophers, the observers, and the cosmologists who made the key breakthroughs. I have written recently on Thomas Gold FRS and Georges Lemaître. My current biographical research project looks at the role of remarkableness and serendipity in astronomical discovery. My teaching is what professional astronomers describe as Outreach, which is currently trendy. In Outreach we engage with schools, amateur astronomers, and the general public. In the past year I have “outreached” to approximately 2000 people, about half of whom have the astronomy lectures on Cunard’s RMS *Queen Mary 2* that I do jointly with my wife Dr Jacqueline Mitton. Currently I am Vice-President of the Royal Astronomical Society, and Chairman of the RAS Library Committee, which has responsibility for £10m of heritage assets (Harrison chronometer, rare books, Herschel archives, and special collections).

Publications

Book

(with Jeremiah P. Ostriker) *Heart of Darkness: Unravelling the mysteries of the invisible universe* (Princeton University Press, Princeton 2013)

Edited book

(with Rodney Holder) *Georges Lemaître: Life, Science and Legacy* (Springer, Heidelberg 2012)

Articles in books

(With Rodney D. Holder) 'Georges Lemaître: A Brief Introduction to His Science, His Theology, and His Impact,' in Rodney D. Holder and Simon Mitton (eds) *Georges Lemaître: Life, Science and Legacy* (Springer, Heidelberg 2012)

Online/Media

Georges Lemaître, Father of the Big Bang (*BBC Radio 4, BBC World Service*) <http://bbc.in/KhvA87>

"Slow Light" <http://sciencewatch.com/nobel/predictions/slow-light> (Thomson Reuters 2012)

Photoluminescence in Porous Silicon <http://sciencewatch.com/nobel/predictions/photoluminescence-porous-silicon> (Thomson Reuters 2012)

New Field of Galileon Cosmology Slows Acceleration <http://sciencewatch.com/articles/new-field-galileon-cosmology-shows-acceleration> (Thomson Reuters 2013)

Quantum Teleportation <http://sciencewatch.com/nobel/predictions/quantum-teleportation> (Thomson Reuters 2012)

How the Exquisite Precision of Concordance Cosmology Challenges Theorists <http://sciencewatch.com/articles/physics-top-ten-how-exquisite-precision-concordance-cosmology-challenges-theorists> (Thomson Reuters 2012)

The Impact on Cosmology of the Wilkinson Microwave Anisotropy Probe <http://sciencewatch.com/articles/impact-cosmology-wilkinson-microwave-anisotropy-probe> (Thomson Reuters 2013)

Mars Mission <http://sciencewatch.com/articles/mars-mission> (Thomson Reuters 2013)

Reviews

Stuart Firestein, *Ignorance, How it Drives Science* (2010) reviewed in *Times Higher Education*

<http://www.timeshighereducation.co.uk/books/ignorance-how-it-drives-science/421420.article>

Steven J. Dick and Mark L. Lupisella, *Cultural Evolution in a Cosmic Context* (National Aeronautics and Space Administration, Washington DC, 2010), reviewed in *J. Hist. Astron.* 44 (2013) 104 – 105

Lectures, seminars and conferences

November 2012

'Astronomy' four introductory lectures on astronomy and the history of astronomy, delivered as Royal Astronomical Guest Lecturer, RMS *Queen Mary 2*, Southampton – New York. Attendance 400 – 480 passengers

January 2013

'Georges Lemaître: Life Science and Legacy' St Benedict's School, Ealing, London. History of science seminar for the Sixth Form (200 pupils)

April 2013

'The Origin of Structure in the Universe' a public lecture on the history of attempts to understand how structure arose in the universe. Royal Astronomical Society, Burlington House, Piccadilly, London

'Why is there Something Rather than Nothing?' Evening talk for the Oxford University Space and Astronomy Society, given at the Department of Physics, Oxford. Attendance 120

May 2013

‘Astronomy’ four introductory lectures on astronomy and the history of astronomy, delivered as Royal Astronomical Guest Lecturer, RMS *Queen Mary 2*, New York – Hamburg. Attendance 250 – 350 passengers

‘Heart of Darkness – history of attempts to unravel the mysteries of the invisible universe’. Guest lecture for the Friends of the Royal Astronomical Society

June 2013

‘Heart of Darkness – history of attempts to unravel the mysteries of the invisible universe’. Featured keynote speaker (Event 381) at the Hay Festival 2013. Attendance 650

July 2013

‘Cambridge Scientific Minds’. Presentation at a summer school for American High School held at Magdalene College, Cambridge

James Moore

In conjunction with the Genova Science Festival in November 2012, Jim did interviews and a lecture for the Festival website, interviews for RAI’s Radio3scienze and RAI-Educational-TV and an interview for the local *Corriere Mercantile*. In December, he was interviewed by NHK-TV Satellite BS, Japan, for a 30-minute profile of Darwin. In conjunction with the annual Darwin festival in Shrewsbury in February 2013, Jim was interviewed live by BBC Radio Shropshire; his in-depth interview by the eminent director Antony Thomas for a sympathetic 60-minute Home Box Office documentary on US radical creationists, ‘The Damnation of Darwin’, will be transmitted late in 2013. Jim was also interviewed in February for a feature on travellers to Rio de Janeiro by the mass-circulation national magazine *Veja*.

Publications

(with A. Desmond) *La sacra causa di Darwin: Lotta alla schiavitù e difesa dell’evoluzione* (Italian translation, Milan, Raffaello Cortina, 2012, of *Darwin’s Sacred Cause: Race, Slavery and the Quest for Human Origins*, first English publication, 2009)

Articles in books

‘Darwin, Charles Robert (1809-1882)’, in P. L. Mason (ed), *Encyclopedia of Race and Racism*, 2nd ed. (Macmillan Reference USA of Gale / Cengage Learning, 2013), 2: 10-13

‘From Biblical Ethnology to Scientific Anthropology’, in P. L. Mason (ed), *Encyclopedia of Race and Racism*, 2nd ed. (Macmillan Reference USA of Gale / Cengage Learning, 2013), 2: 12

Lectures, seminars and conferences

October 2012

Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge, 8 October

Guest lecture, Visit to Down House, the Home of Charles Darwin, Master Sciences De l’Univers, Environnement, Ecologie (SDUEE) and Département des langues, Sorbonne-Université Pierre et Marie Curie (Paris 6), 23 October

Public discussion (with Dr Sadiya Qureshi, Birmingham) of *Vénus Noire* (Abdellatif Kechiche, 2010), Cambridge Arts Picturehouse, Darwin and Human Nature series, sponsored by Darwin Correspondence Project and Cambridge Festival of Ideas, 31 October

November 2012

Public lecture and national press launch of *La Causa Sacra di Darwin*, Festival della Scienze 2012: Immaginazione, Palazzo Ducale, Sala del Maggior Consiglio, Genova, Italy, 3 November

Guest lecture, Philosophy of Science 102 (Prof. Giulio Giorello), Università degli Studi di Milano (I), 5 November

6th Form Lecture, Rossetti Day ('Heresy and Orthodoxy'), King's College School, Wimbledon, 20 November

Public lecture, Grand Amphithéâtre, Muséum National d'Histoire Naturelle, Paris, sponsored by Sorbonne-Université Pierre et Marie Curie (Paris 6), 24 November

February 2013

2013 Darwin Memorial Lecture, Theatre Severn, Shrewsbury, 10 February

West Sussex and Chichester Humanists in association with Brighton Science Festival, Lord Nelson Public House, Brighton, 27 February

May 2013

Public lecture, Festa di Scienza e Filosofia – Virtute e Canoscenza 2013: Scienza e Società, Laboratorio di Scienze Sperimentali, Foligno, Italy, 3 May

June 2013

Wallace100 Lecture, Natural History Museum, London, 6 June

July 2013

Guest lecture, Biol S-112 Study Abroad at Oxford: Darwin and the Origins of Evolutionary Biology, Harvard University Summer School, Cambridge, England, 12 July

August 2013

Class discussion, Science, Medicine and Religion in an Age of Skepticism, Harvard Summer School Abroad, Clare Hall, Cambridge, 21 August

Joshua Nall

My PhD research into popular media and late-Victorian debates over life on Mars nears completion. Since June 2012 I have been working as one of the BBC's ten 'New Generation Thinkers', and have contributed a variety of radio content for BBC Radio 3's Night Waves programme, as well as producing a short film for the BBC Arts and Culture website.

Publications

Online

Short film: The spectroscope and extraterrestrials, posted on BBC Arts & Culture website, 10 Apr. 2013
(<http://www.bbc.co.uk/arts/0/22042792>)

Reviews

Review of ‘Lane, K. Maria D., *Geographies of Mars: Seeing and Knowing the Red Planet*’, *British Journal for the History of Science*, Vol. 45, No. 4, 2012, pp.692-694

Lectures, seminars and conferences

November 2012

Radio broadcast: ‘Mars and the Victorians’, presented live at the BBC Radio 3 ‘Free Thinking Festival’, 3 Nov. 2012, and broadcast in ‘The Essay’ slot on Radio 3 on 14th November 2012.

June 2013

Radio broadcast: Review of ‘Visions of the Universe’ at Royal Museums Greenwich, broadcast on BBC Radio 3 Night Waves.

July 2013

Talk: ‘Cables, wires, and paper: mountaintop observatories and the management of astronomical news’, 24th International Congress of History of Science, Technology and Medicine, University of Manchester

Jaume Navarro

Ikerbasque Research Professor, University of the Basque Country (Spain)

Publications

Books

Bohr. *El átomo cuántico*, RBA coleccionables: Barcelona, 2013

Edited books

(with Massimiliano Badino), *Research and Pedagogy. A History of Quantum Physics and its early Textbooks*. Open-access-editions: Berlin, 2013

Articles in books

(with Massimiliano Badino), “Pedagogy and Research. Notes for a Historical Epistemology of Science Education”, Introduction to Badino and Navarro (eds.) *Research and Pedagogy. A History of Quantum Physics and its early Textbooks* (pp. 7-26)

“Teaching Quantum Physics in Cambridge: George Birtwistle and His Two Textbooks”, in to Badino and Navarro (eds.)
Research and Pedagogy. A History of Quantum Physics and its early Textbooks (pp. 231-248)

Articles in journals

‘El electrón y su familia. J.J. Thomson, G.P. Thomson y el paso de la física clásica a la cuántica’, *Investigación y Ciencia*, febrero 2013, 46-47

Reviews

Book Review: ‘Agustí Nieto-Galán. Los Públicos de la Ciencia. Expertos y Profanos a través de la Historia’, *ISIS*, 103 (4), 2012, 772-773

Lectures, seminars and conferences

November 2012

5th International Conference of the European Society for the History of Science, Athens, 1—3 November 2012. Paper: “A British physical ‘corpusele’ travels to American Chemistry. J.J. Thomson’s 1923 trip to Philadelphia”

January 2013

Guest lecturer in the ‘Study Abroad’ program of the Johns Hopkins University in Munich, 21 Jan 2013

February 2013

Invited Seminar at the Donostia International Physics Centre: “Electrons in the family. From wave to particle and back again”, 15 Feb 2013

March 2013

Invited Seminar at the CIMAB, Univeritat Autònoma de Barcelona: “Electrons in the family. From wave to particle and back again”, 11 March 2013

June 2013

Conference: 100 Years of Bohr’s Atom, Copenhagen, 11-14 June. Paper: “Plum-puddings and Bohr’s atom”.

July 2013

24th International Congress of History of Science, Technology and Medicine, Manchester 21-28 July 2013. Paper: From electron diffraction to electron cameras. George Paget Thomson at Imperial College in the early 1930s”

Ayesha Nathoo

Lectures, seminars and conferences

October 2012

‘A delicate alliance: Aid agencies and the media in Britain since the 1960s’, History of Medicine Seminar, Department of History and Philosophy of Science, University of Cambridge

November 2012

‘The Disasters Emergency Committee: A history of collaboration’, *Humanitarianism: Past, Present and Future*, Humanitarian and Conflict Response Institute, University of Manchester

Hannah Newton

This year, I have been chiefly engaged in archival research for my Wellcome Trust book project, ‘Miserie to Mirth: Recovery from Illness in Early Modern England, 1580-1720’. I have been systematically reading and analysing a large number of primary sources, from medical texts and casebooks, to diaries and letters, whilst simultaneously planning the structure of the book. I have also written and presented 8 conference/seminar papers, some of which will form parts of chapters and journal articles; I have a further 3 papers to present before the beginning of the next academic year. This year, I took on two new roles at St John’s College: Director of Studies, and Study Skills Advisor. In addition, I have delivered a series of lectures to the History Faculty for Paper Nine of the History Tripos, and I have been involved in the Faculty’s outreach programme, including the History for Schools scheme. I plan to write a full book chapter over the summer, which I will convert into an article to submit to an academic journal early next year. I have received some strong provisional interest from two publishers in this book, OUP and CUP.

Publications

Online

‘A Bag of Worms: Treating the Sick Child in Early Modern England’, The Recipes Project (January 2013):

<http://recipes.hypotheses.org/744>

Reviews

Stolberg, Michael, *Experiencing Illness and the Sick Body in Early Modern Europe*, translated by Leonhard Unglaub and Logan Kennedy (2011), reviewed in *Social History of Medicine* (advanced access August 2012: doi: 10.1093/shm/hks070 2012)

Withey, Alun, *Physick and the Family: Health, Medicine and Care in Wales, 1600-1750* (2011), reviewed in *Social History*, 38 (2013), 131-32

Bailey, Joanne, *Parenting in England 1760-1830: Emotion, Identity, and Generation* (2012), reviewed in *History* (c.2013)

Churchill, Wendy, *Female Patients in Early Modern Britain: Gender, Diagnosis, and Treatment* (Farnham, 2012), *Social History of Medicine* (c.2013)

Lectures, seminars and conferences

October 2012

6 October 2012: Care in the Past: Archaeological and Interdisciplinary Perspectives, Durham University: “‘With Great Care & Paines’: Tending the Sick Child in Early Modern England, 1580-1720’

17 October 2012: Centre for Research in the Arts, Social Sciences and Humanities Postdoctoral Seminar at the University of Cambridge: “Nature’s Office & Work”: Recovery from Illness in Early Modern England, 1580-1720’

November 2012

8 November 2012: Postdoctoral Seminar Series at Imperial College, London: “‘Miserie to Mirth’: Recovering from Illness in Early Modern England, 1580-1720’

21 November 2012: Queen’s College Arts Seminar: ‘Sick of Sickness: Recovering a Happier History in Early Modern England, 1580-1720’

January 2013

History Tripos Paper Nine: ‘Disease, Death, and Gender in Early Modern England’ (2 lectures)

February 2013

History Tripos Paper Nine: ‘Disease, Death, and Gender in Early Modern England’ (2 lectures)

March 2013

5 March 2013: St John’s College Young Researchers’ Lecture, Cambridge: ‘The Sick Child in Early Modern England, 1580-1720’

26 March 2013: Social History Society Annual Conference, University of Leeds: “‘Thy Bones Rejoyce’: Recovering from Illness in Early Modern England, 1580-1720’

19 March 2013: Life-Cycles Seminar, at the Institute of Historical Research: “‘With Very Much Ado’: Age and Recovery from Illness in Early Modern England, 1580-1720’

May 2013

9 May 2013: *Departmental Seminar, History and Philosophy of Science Department, University of Cambridge*: “‘Nature Concocts & Expels’: Recovery from Illness in Early Modern England, 1580-1720’

June 2013

26 June 2013: British History in the Long Eighteenth Century Seminar, at the Institute for Historical Research: ‘The History of Emotions with Professor Thomas Dixon and Dr Hannah Newton: “‘A Double Delight: Recovery from Illness in Early Modern England, 1580-1720’

September 2013

13-14 September 2013: Healthy Living in Pre-Modern Europe: The Theory and Practice of the Six Non-Naturals (c.1400-c.1700): Institute of Historical Research: “‘She Sleeps Well & Eats an Egg’: Convalescent Care in Early Modern England

Jesse Olszynko-Gryn

Contribution to Making History: ‘Pregnancy Testing – with Toads’, BBC Radio 4, presented by Tom Holland, 16 April 2013.

Publications

Articles in journals

‘When pregnancy tests were toads: The *Xenopus* test in the early NHS’, *Wellcome History*, 51 (2013), 1-3

Online

‘Fictional pregnancies before and after the test’, MaMSIE blog posting (2012): <http://mamsie.org>

Reviews

Review of ‘Call the Midwife’, *Viewpoint: Magazine of the British Society for the History of Science*, 98 (2012), 13.

Lectures, seminars and conferences

November 2012

‘Pregnancy narratives and advice in interwar Britain’, Gender and History Workshop, Faculty of History, Cambridge

March 2013

‘Harvesting toads in South Africa for pregnancy testing in Britain’, Cabinet of Natural History, Department of History and Philosophy of Science, Cambridge

Alison M. Pearn

Associate Director, Darwin Correspondence Project. Trustee, Menagerie Theatre Company, Cambridge. Member, Digital HPS Consortium. She led the collaboration with the Cambridge University Digital Library that resulted in images and transcripts of more than 1200 of Darwin’s letters being made publicly available in March 2013. The letters were exchanged with Darwin’s close friend and confidant, the botanist Joseph Dalton Hooker; the launch was featured in articles in *The Independent* in the UK and in the *Chronicle of Higher Education* in the US.

Publications

Edited books

(with F. Burkhardt *et al.*) *The correspondence of Charles Darwin*, vol. 20 (1872) (Cambridge University Press 2013)

(with F. Burkhardt *et al.*) *The correspondence of Charles Darwin*, vol. 19 (1871) (Cambridge University Press 2012)

Articles in books

(with M. Pallen) ‘Darwin and Religion’ in Michael Ruse (ed) *The Cambridge Encyclopedia of Darwin and Evolutionary Thought* (Cambridge University Press 2013), 211-217

‘Charles Darwin’, in Andrew Robinson (ed) *The Scientists: An Epic of Discovery* (Thames & Hudson 2012), 207-213

Online

<http://cudl.lib.cam.ac.uk/collections/darwinhooker>

Reviews

Review of Janet Owen, *Darwin’s apprentice: an archaeological biography of John Lubbock* for the Prehistorical Society

Lectures, seminars and conferences

March 2013

‘The teacher taught? What Darwin got from Lubbock’, *Avebury’s Circle: the science of John Lubbock*, Royal Society, London

J. Brian Pitts

This year was largely spent on a new project on Einstein’s General Relativity in Hamiltonian form, for which one paper is submitted, another is nearly finished, and several more are projected.

I won a grant as Project Leader for ‘Space-time Theory in Light of Particle Physics and Einstein's Physical Strategy’, John Templeton Foundation, funded in October 2012 for December 2013-August 2016, £150,144 including 2 years’ salary. Unfunded collaborators Drs. Jeremy Butterfield, Huw Price, and John Barrow (University of Cambridge), Harvey Brown and Oliver Pooley (University of Oxford), and Don Howard and Katherine Brading (University of Notre Dame).

Publications

Online

‘Science and Religion’. *Oxford Bibliographies Online* in Philosophy. Editor Duncan Pritchard. New York: Oxford University Press, 28 January 2013. DOI: 10.1093/OBO/9780195396577-0147. (Invited)

Lectures, seminars and conferences

November 2012

‘Mr. Tompkins’ Nightmares’ (public outreach on relativity and quantum mechanics), Festival of Ideas, University of Cambridge, Whipple Museum of the History of Science, 1 November 2012.

‘How Almost Everything in Space-time Theory Is Illuminated by Simple Particle Physics: The Neglected Case of Massive Scalar Gravity’, Serious Metaphysics Group, Faculty of Philosophy, University of Cambridge, 21 November 2012.

January 2013

‘Energy and Change in Lagrangian and Hamiltonian General Relativity’, Faculty of Philosophy, University of Oxford, 24 January 2012. Invited.

February 2013

‘How Almost Everything in Space-time Theory Is Illuminated by Simple Particle Physics: The Neglected Case of Massive Scalar Gravity’, Munich Center for Mathematical Philosophy, Ludwig-Maximilians-Universität München, 6 February 2013. Invited.

‘Real Change Happens in General Relativity, Even in Hamiltonian Form’, CamPOS (the Cambridge Philosophy of Science network), University of Cambridge, 20 February 2013.

‘Hamiltonian GR Makes Sense Because First-Class Constraints Don't Generate Gauge Transformations’, 27 February 2013, Centre for Mathematical Sciences, University of Cambridge.

March 2013

‘Time and Fermions: General Covariance vs. Ockham’s Razor for Spinors’, TAM 2013 (Time and Matter), Venice, Italy, 4-8 March 2013. Invited.

June 2013

‘Real Change Happens in Hamiltonian General Relativity; Just Ask the Lagrangian (about Time-like Killing Vectors, First-Class Constraints, and Observables)’. Workshop: Quantum Gravity in Perspective, Munich Center for Mathematical Philosophy, Ludwig-Maximilians-Universität München, 1 June 2013. Invited.

‘Real Change Happens in Hamiltonian General Relativity; Just Ask the Lagrangian (about Time-like Killing Vectors, First-Class Constraints, and Observables)’. Philosophy of Physics Mini-Meeting, 17 June 2013, Centre for Mathematical Sciences, University of Cambridge.

July 2013

‘Time and Fermions: General Covariance vs. Ockham's Razor for Spinors,’ Philosophy of Physics Mini-Meeting, 2 July 2013, Centre for Mathematical Sciences, University of Cambridge.

‘How Space-time Theory Is Illuminated by Particle Physics: The Neglected Case of Massive Scalar Gravity’, British Society for the Philosophy of Science Annual Conference 2013, University of Exeter, 4-5 July 2013.

‘Inertia and the Conformal-Projective Decomposition for Nordström-Einstein-Fokker, Massive Scalar, Einstein, and Massive Spin 2 Gravities’, in Symposium ‘On the Split Between Gravity and Inertia in Different Spacetime Theories’, organizers Dennis Lehmkuhl and Oliver Pooley; participants Harvey Brown, Eleanor Knox, Dennis Lehmkuhl, Oliver Pooley, J. Brian Pitts, and Robert Wald. Foundations of Physics 2013: The 17th UK and European Meeting, Ludwig-Maximilians-Universität München, 29-31 July 2013, Munich, Germany.

James Poskett

James is a PhD candidate working on global histories of science from 1750 to the present day. His doctoral thesis engages with these concerns from the perspective of early nineteenth-century phrenology. It is provisionally titled ‘Bumps beyond borders: a global history of phrenology 1815-1850’. James also convened the graduate papers for the AHRC-funded ‘Exploring Traditions: Sources for a Global History of Science’ workshop in May 2013 and continues to teach on the Part 1B History and Philosophy of Science course. He is an advocate of public engagement, writing regularly for national newspapers, websites and magazines. In March 2013 he was shortlisted for the BBC ‘New Generation Thinkers’ award.

Publications

Online

- ‘Django Unchained and the racist science of phrenology’, *The Guardian*, February 5, 2013.
- ‘Bumps beyond borders’, *Viewpoint*, February 1, 2013.
- ‘Letters of Alfred Russel Wallace go online’, *Nature*, January 24, 2013.
- ‘Doctors, Dissection and Resurrection Men’, *The Guardian*, October 19, 2012.
- ‘Wellcome Archives, London’, *Dissertation Reviews*, October 10, 2012.

Lectures, seminars and conferences

November 2012

- ‘Sounding in silence: the mechanics of discipline in the early nineteenth-century Royal Navy’, National Maritime Museum, Greenwich, UK.
- ‘Mind your Ps and Qs: a contrastive account of testimonial inference to the best explanation’, HPS Philosophy Workshop, University of Cambridge, UK.

May 2013

- ‘Diffusion before Basalla: the spread of Western science from a Bengali perspective 1845-1850’, Exploring Traditions: Sources for a Global History of Science, University of Cambridge, UK.

July 2013

- ‘Skulls in the snow: the passage of nineteenth-century Inuit crania’, 24th International Congress of History of Science, Technology and Medicine, Manchester, UK.

August 2013

- ‘Seeing by numbers: the mathematics of Victorian phrenology’, Victorian Numbers, British Association of Victorian Studies, Royal Holloway, University of London, UK.

Sadiyah Qureshi

This year, my research has won two prizes. My first monograph, *Peoples on Parade: Exhibitions, Empire and Anthropology in Nineteenth-Century Britain* (Chicago, IL, 2011) won the Northeast Victorian Studies Association’s Sonia Rudikoff Award for the best first book in Victorian Studies published in 2011 (awarded April 2013). I also won one of five Philip Leverhulme Prizes for Medieval, Early Modern and Modern History awarded by the Leverhulme Trust for outstanding early career research in late 2012.

Publications

Articles in books

'Tipu's Tiger and Images of India, 1799–2010', in Sarah Longair and John McAleer (eds), *Curating Empire: Museums and the British Imperial Experience*, Studies in Imperialism (Manchester University Press, 2013), pp. 207–224

'Dying Americans: Race, Extinction and Conservation in the New World', in Astrid Swenson & Peter Mandler (eds), *From Plunder to Preservation: Britain and the Heritage of Empire, 1800–1950* (Oxford University Press, 2013), pp. 269–288

'Ethnological Exhibitions', in Patrick L. Mason (ed), *Encyclopaedia of Race and Racism*, 2nd edition (MacMillan, 2013)

Lectures, seminars and conferences

November 2012

“‘Just Arrived... the Only Specimens of this Race ever Beheld...’”: Empire, Anthropology and Collecting Peoples in Nineteenth-Century Britain', Queen Mary English Department Postgraduate Research Seminar

December 2012

“‘A Peep at the Natives’”: Empire, Anthropology and Collecting Peoples in Nineteenth-Century Britain, Re-Viewing Empires and their Fantasy Objects, Goethe-Institut Portugal, Lisbon

March 2013

“‘Wild Feats of the Wilderness’”: Catlin and Displayed Peoples in Nineteenth-Century London', American Indian Images: Making and Breaking George Catlin's Legacy, National Portrait Gallery, London

May 2013

“‘Just arrived... the only specimens of this race ever beheld’”: Empire, Anthropology and Collecting Peoples in Nineteenth-Century Britain', Institute of Social and Cultural Anthropology seminar, Pitt Rivers Museum, Oxford

'Displayed Peoples in Nineteenth-Century London', Philosophy Salon, National Portrait Gallery, London

Discussant on 'Race and Belonging' for a roundtable also featuring Peter Mandler, Karen O'Brien and Catherine Hall on the her new book, *Macaulay & Son: Architects of Empire* (Yale, 2012), Institute of Historical Research, London

June 2013

'Empire: Displayed Peoples, Empire and Anthropology in the Metropole', Field Notes seminar, CRASSH, University of Cambridge

'George Catlin's Indian Collection, Shows of London seminar, King's College, London

July 2013

‘Catlin, Museums and the Future of Collaborative Teaching’, Contemporary Responses to Portrait Collections, Birmingham Museum & Art Gallery/The Barber Institute of Fine Arts, Birmingham

Jennifer Rampling

Jenny continued as a postdoctoral fellow at HPS and Clare Hall, and spent September at the Beinecke Library, Yale, as H.P. Kraus Fellow in early books and manuscripts. Her 2010 article, “The Catalogue of the Ripley Corpus,” was awarded the inaugural Neu-Whitrow Bibliography Prize. She lectured on Part II HPS and Part II History, and contributed to the ‘culture générale’ programme at the Ecole Nationale Supérieure Chimie Paris. As Editor of *Ambix* she oversaw the journal’s



move to quarterly publication, and co-edited (with Lawrence Principe) a new, annual series, *Sources of Alchemy and Chemistry*. She served as Programmes Coordinator for the BSHS; Chair of the Programs Committee of the HSS Forum for the History of the Chemical Sciences (FoHCS); and a Council member of the Society for the History of Alchemy and Chemistry (SHAC). In Cambridge, she organised a three-day workshop at Clare Hall on ‘Early Sources of Alchemy and Chemistry’ to launch *Sources*, and continued to co-convene the AD HOC reading group with Hasok Chang. She also co-organised two panels at the HSS Annual Meeting in San Diego (with FoHCS); and two symposia for the ICHSTM in Manchester – ‘Reworking the History of Chemistry’ (jointly sponsored by SHAC, FoHCS and the Chemical Heritage Foundation), and ‘Recreating Past Science and Technology’ (for the BSHS, with Hasok Chang and James Sumner). She was appointed to a tenure-track position at Princeton University.

Publications

Articles in journals

‘Depicting the medieval alchemical cosmos: George Ripley’s wheel of inferior astronomy’ in N. Jardine & I. Fay (eds.), ‘A World of Images: Early-Modern Print, Text, and Observation,’ *Early Science and Medicine* 18 (2013), 45-86.

Editorial: ‘New developments in *Ambix*’ in *Ambix* 60 (2013), 1-2.

Media

Today, BBC Radio 4 (November 2012)

Reviews

‘Realms of gold.’ Review of L M Principe, *The Secrets of Alchemy*, in *Nature* 491 (2012), 38

G Parry, *The Arch-Conjuror of England: John Dee*, in ‘Summer Books’, *Nature* 499 (2013), 153

Lectures, seminars and conferences

October 2012

‘Alchemy as “practical exegesis” in early modern Europe.’ Early Modern Medicine Reading Group, Cambridge

‘Theory choice in medieval alchemy.’ AD HOC, London

‘What is mercury?’ HPS History Workshop, HPS, Cambridge

January 2013

‘Practically making the philosophers’ stone: recovering alchemical knowledge in early modern England.’ History Department, Princeton University

February 2013

‘Alchemy in medieval and early modern Europe.’ Ecole Nationale Supérieure Chimie Paris

March 2013

Commentary, *Laboratories of Art: Between Art and Alchemy*, MPIWG, Berlin

‘Plotting the future of medieval alchemy.’ *Sources of Alchemy and Early Chemistry*, Clare Hall, Cambridge

April 2013

‘The three mercuries: patronage, polemic and practice in early modern alchemy.’ *Scientiae: Disciplines of Knowing in the Early Modern World*, University of Warwick

‘Recreating the secrets of alchemy in early modern England.’ Royal Society of Chemistry and History Department, Northumbria University

‘Practically making the philosophers’ stone: recreating alchemical experiments.’ History Lab, University of Sunderland

May 2013

‘Alchemy, medicine and polymathy.’ *Medical Knowledge between Polymathy and Disciplinarity: Duncan Liddel (1561-1613) in Context*, University of Aberdeen

July 2013

‘Practically making the philosophers’ stone: recreating impossible experiments.’ *Recreating Past Science and Technology* (BSHS workshop), 24th International Congress for the History of Science, Technology and Medicine (ICHSTM), Manchester

Commentary, *Reworking the History of Chemistry*, ICHSTM, Manchester

Russell Re Manning

Lord Gifford Fellow in Natural Theology, University of Aberdeen.

Publications

Edited books

- (with Michael Byrne) *Science and Religion in the Twenty-First Century. The Boyle Lectures, 2004-2013* (London: SCM Press, 2013).
- (with Fraser Watts & John Hedley Brooke – consultant editors) *The Oxford Handbook of Natural Theology* (Oxford: Oxford University Press, 2013).
- 30-Second Bible* (Lewes: Ivy Press, 2013).

Articles in books

- ‘Utopia: Theology of History and the Miracle of the Future’ in Marc Dumas, Martin Leiner & Jean Richard (eds) *Paul Tillich – interprète de l’histoire* (Münster: LIT Verlag, 2013), 97-107
- ‘Paul Tillich’ in Chad Meister and James Beilby (eds) *The Routledge Companion to Modern Christian Thought*, (New York: Routledge, 2013), 138-151
- “‘If you can keep your head when all about you/are losing theirs and blaming it on you’: Head and Heart in Recent Analytical Philosophy of Religion and Natural Theology’ in Fraser Watts and Geoff Dumbreck (eds) *Head and Heart. Perspectives from Religion and Psychology* (West Conshohocken, PA: Templeton Press, 2013), 71-94
- ‘Tillich’ in Willemein Otten & Karla Pollmann (eds) *The Oxford Guide to the Historical Reception of Augustine* (Oxford: Oxford University Press, 2013), 1319-1321
- ‘Introduction. Science and Religion in the Twenty-First Century’ in Russell Re Manning & Michael Boyle (eds) *Science and Religion in the Twenty-First Century: The Boyle Lectures, 2004-2013* (London: SCM Press, 2013), xxxviii-lxi
- ‘Protestant Perspectives on Natural Theology’ in Russell Re Manning (ed) *The Oxford Handbook of Natural Theology*, (Oxford: Oxford University Press, 2013) 197-212
- ‘A Perspective on Natural Theology from Continental Philosophy’ in Russell Re Manning (ed) *The Oxford Handbook of Natural Theology* (Oxford: Oxford University Press, 2013), 262-275
- ‘On Revising Natural Theology: John Polkinghorne and the False Modesty of Liberal Theology’ ISSR Prize Winning Essay in Fraser Watts and Christopher Knight (ed) *God and Physics. Exploring the Work of John Polkinghorne* (Ashgate, 2012), 197-216.

Lectures, seminars and conferences

November 2012

- ‘Tillich’s Returns’, *Theology and Philosophy Seminar*, Faculty of Theology, Durham
- ‘Peculiar Ontology. Evil in Early Twentieth-Century Protestant Theology’, *Systematic Theology Seminar*, Aberdeen
- ‘Music and Ultimate Reality’, *Joint session: Music & Religion Group and Tillich: Issues in Theology, Religion and Culture Group, American Academy of Religion*, Chicago

December 2012

- ‘Natural Theology Reconsidered’, *Philosophy Seminar*, Heythrop College, London

April 2013

- ‘On the Idea of Utopia as Critique of the Present’, *Philosophy Society*, Aberdeen

May 2013

‘The Irrelevance and Relevance of Cambridge Platonism for Modern Theology’, *Revisioning Cambridge Platonism: Reception and Influence of Cambridge Platonism*, Clare College, Cambridge

June 2013

‘Re-ordering Theology. Feeling the Effects of the Quiet Revolution in the Philosophy of Science’ *The LSE-UCSD Order Project Conference*, University of California, San Diego

Eleanor Robson

At the end of this academic year I leave Cambridge to join the History Department at UCL. I have greatly enjoyed the past decade here and there is much of HPS’s culture and people that I wish I could take with me. In December 2012 two large research projects came to an end: the AHRC-funded *Geography of Knowledge in Assyria and Babylonia* and the Leverhulme Trust-funded *Assyrian and Babylonian Scholarly Literacies*. I am very grateful to everyone who worked on them with me over the years. In January 2013 Ruth Horry and I began a short AHRC-funded Follow-On Project, *Materialities of Assyrian Knowledge Production*, in collaboration with the British Museum, Penn Museum and the British Institute for the Study of Iraq. As part of that project I organised a day-workshop at the Ashmolean Museum in April 2013, called *Nimrud, From Mound to Museum: Making Knowledge from Archaeological Objects*. That work will continue in the department until the end of March 2014 so I will still be around in some capacity for a while yet.

Publications

Articles in books

‘Reading the libraries of Assyria and Babylonia’ in J König, K Oikonomopoulos, and G Woolf (eds) *Ancient Libraries* (Cambridge University Press, 2013), 57–81

‘Solitary heroes or scholarly communities? On Sumerian literature and its practitioners’ in R. Enmarch and V M Lepper (eds) *Ancient Egyptian Literature: Theory and Practice* (Proceedings of The British Academy 188) (Oxford University Press 2013), 45–61

‘Bel and the dragons: deciphering cuneiform after decipherment’ in M Brusius, K Dean and C Ramalingam (eds) *William Henry Fox Talbot: Beyond Photography* (Yale Studies in British Art 23) (Yale University Press 2013)

Online

(with S J Tinney and N Veldhuis) continued curation, development and documentation of *The Open Richly Annotated Cuneiform Corpus*: oracc.museum.upenn.edu, hosting over 30 projects. Those I curate include:

(with R Horry, J J Taylor and S J Tinney), *Materialities of Assyrian Knowledge Production: Object Biographies from Inscribed Objects from Nimrud for Museums and Mobiles*: oracc.museum.upenn.edu/nimrud

(with M-F Besnier, G Van Buylaere and colleagues), *The Geography of Knowledge in Assyria and Babylonia*: oracc.museum.upenn.edu/cams/gkab

(with G Van Buylaere, C Martin and S J Tinney), *Assyrian and Babylonian Scholarly Literacies*: oracc.museum.upenn.edu/qlab

I also run a blog documenting my work as voluntary Chair of Council for the British Institute for the Study of Iraq (www.bisi.ac.uk), including posts from my trips to Iraq itself: bisi1932.blogspot.co.uk

Lectures, seminars and conferences

October 2012

- ‘Geographies of knowledge in Assyria and Babylonia’, Departmental Seminar, History and Philosophy of Science, University of Cambridge, October 2012.
- ‘Mathematics in ancient Iraq’, opening lecture, *Fourth International Scientific Conference on Mathematical and Computer Sciences*, Al-Qadissiya University, Diwaniya, Iraq, October 2012.
- ‘Scribal education in Old Babylonian Nippur’, Archaeology Department, Al-Qadissiya University, Diwaniya, Iraq
- ‘Cuneiform literacies in practice: geography, orthography, pedagogy’, History Department, UCL, London

February 2013

- ‘Geographies of scholarship in first-millennium Mesopotamia’, Dipartimento di Studi Umanistici, Università Ca’ Foscari, Venice

March 2013

- ‘Mesopotamian knowledge networks: geographies of scholarship in Assyria and Babylonia’, *Cultures of Ancient Science* Conference, Department of Science and Technology Studies, UCL, London
- ‘Writing and thinking about mathematics in ancient Iraq’, Fields Institute, University of Toronto, Canada

April 2013

- ‘The origins of European Assyriology’, Archaeology Department, University of Kufa, Kufa, Iraq
- ‘Introduction’, *Nimrud: From Mound to Museum* workshop, Ashmolean Museum, Oxford

May 2013

- ‘Publics, practitioners and politics: talking Babylonian history in southern Iraq’, *Ancient History Seminar*, Institute for Classical Studies, UCL, London

June 2013

- ‘The genies on the stairs: a 3000-year journey from Assyria to Cambridge’, Fitzwilliam Museum, Cambridge

Leon Rocha

Leon Rocha is Research Fellow at Emmanuel College, Cambridge, affiliated with the Faculty of Asian and Middle Eastern Studies, Department of History and Philosophy of Science, Faculty of History (World History Subject Group), and the Needham Research Institute. He was also International Research Fellow at the Dahlem Humanities Center, Freie Universität Berlin in 2012. Rocha is also the Managing Editor of the *Dissertation Reviews* project (<http://dissertationreviews.org>), in collaboration with Thomas Mullaney (Stanford University) and Matthew Melvin-Koushki (Princeton University). Rocha’s co-edited volume with Robbie Duschinsky, *Foucault, the Family and Politics*, was published by Palgrave Macmillan in December 2012. In Fall 2013 Rocha will travel to East China Normal University, Shanghai, as a team member of the Sino-UK Higher Education Research Partnership project, “History of Chinese-British Relations, 1900-1950”, directed by Hans van de Ven and Mao Haijian and sponsored by the British Council. He has been also involved in a number of collaborative projects, including:

“Intersections: New Perspectives on Science and Technology in Twentieth-Century India and China” (King’s College London and University of Toronto), “Politics and Contexts of Science Studies during the Cold War and Beyond” (Alfried Krupp Wissenschaftskolleg Greifswald), and “Sexology and Translation: Scientific and Cultural Encounters in the Modern World, 1860-1930” (Birkbeck, University of London). He continues his research in China, Japan and the United States for his monograph *Harnessing Pleasure: Imagining Chinese Sex in the Twentieth Century*, as well as for his second project on Joseph Needham and the making of *Science and Civilisation in China*.

Publications

Edited books

(with R Duschinsky) *Foucault, the Family and Politics* (Palgrave Macmillan, 2012)

Articles in books

“That dazzling, momentary wake” of the *lettre de cachet*: The problem of experience in Foucault’s practice of history” in R Duschinsky and L Rocha (eds) *Foucault, the Family and Politics* (Palgrave Macmillan, 2012), 189-219

(with R Duschinsky) ‘Introduction: The problem of the family in Foucault’s work’ in R Duschinsky and L Rocha (eds) *Foucault, the Family and Politics* (Palgrave Macmillan, 2012), 1-15

(trans with T Harrois) “‘Présentation”, *Le Désordre des familles: lettres de cachet des Archives de la Bastille au XVIII siècle* (1982) by Arlette Farge and Michel Foucault’ in R Duschinsky and L Rocha (eds) *Foucault, the Family and Politics* (Palgrave Macmillan, 2012), 178-188

Online

‘Quentin Pan and *The China Critic*’ in *China Heritage Quarterly* 30/31 (2012), special issue on *The China Critic*, G Barmé and C Rea (eds.) http://www.chinaheritagequarterly.org/features.php?searchterm=030_rocha.inc&issue=030

Reviews

Review of A Jones, *Developmental Fairy Tales: Evolutionary Thinking and Modern Chinese Culture*, in *Journal of Asian Studies* 72 (2013), 450-452

Review of Y-L Wu, *Reproducing Women: Medicine, Metaphor, and Childbirth in Late Imperial China*, in *Nan Nü: Men, Women, and Gender in China* 14 (2012), 311-314

Lectures, seminars and conferences

January 2013

“The spirit of this sexology, how could the pedantic scholars be able to see its essence?” Ye Dehui’s (1864-1927) *The Shadow of the Double Plum Tree Anthology* (*Shuangmei jing’an congshu*, 1903-1917), *Science, Technology and Medicine in East Asia, 1850-2000*, Université Paris Diderot – Paris 7 and École des Hautes Études en Sciences Sociales

February 2013

‘*Celestial Lancets*, Ecumenical Science: Lu Gwei-Djen and Joseph Needham’s history of acupuncture’, *China Colloquium Series*, Centre for East Asian Studies, Stanford University

March 2013

‘Making “Acubabies”: Popular manuals on Chinese medicine and reproductive technologies’, *Eastern Medicines and Religions Series (AGRO-EMR)*, School of Anthropology, University of Oxford

“The spirit of this sexology, how could the pedantic scholars be able to see its essence?” Ye Dehui’s (1864-1927) *The Shadow of the Double Plum Tree Anthology (Shuangmei jing’an congshu, 1903-1917)*, *Comparative Histories of Asia Seminar*, Institute of Historical Research, University of London School of Advanced Study

April 2013

‘Paris, Letchworth: Zhang Jingsheng’s aesthetic and scientific utopia’, *The Habitable City: Chinese Urban History in a Global Context*, Centre for Urban History, University of Leicester

June 2013

‘Joseph Needham’s South Asian Entanglements’, *Intersections: New Perspectives on Science and Technology in Twentieth-Century India and China*, Tsinghua University

Martin J. S. Rudwick

In November 2012 in San Diego, at the annual meeting of the History of Science Society, I was awarded the biennial Suzanne J. Levinson Prize for my book *Worlds Before Adam: The Reconstruction of Geohistory in the Age of Reform* (University of Chicago Press, 2008). In July 2013 I was co-leader (with Prof. Hugh Torrens of Keele) of the historical geological field trip in the Welsh Marches on ‘The Silurian of ‘Siluria’ and the idea of a Palaeozoic era’, sponsored by the International Commission on the History of Geological Sciences [INHIGEO] in conjunction with the International Congress of the History of Science, Technology and Medicine [ICHSTM] in Manchester.

Publications

Reviews

Review of C. Cohen, *La Méthode de Zadig: La Trace, le Fossile, la Preuve* (Paris: Éditions du Seuil, 2011), *Metascience*, 22 (2013), 363-5

Lectures, seminars and conferences

October 2012

‘Constructive controversy and the growth of knowledge’, *Towards a History of the History of Science: 50 years since Structure*, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

Christine F. Salazar

As before, I have been continuing work on my translation (with commentary) of Galen’s commentary on Hippocrates’ *Prognostics*, as Research Associate of the Wellcome-funded ‘Towards a Galen in English’ project headed by Prof. Philip J.

van der Eijk (who is now at the Humboldt-Universität, Berlin), which will run until the end of 2014. I am hoping that my translation, vol. 3 in the CUP Galen series, will go to the copy-editors at the end of this year.

With January 2013, this has become a 0.5 post, in combination with another, also as Research Associate, at the Humboldt-Universität, Berlin. This post is with the project I mentioned last year, ‘The Transfer of Medical Knowledge in the Medical “Encyclopaedias” of Late Antiquity’ (as part of the *Sonderforschungsbereich* ‘Episteme in Bewegung’), also headed by Prof. Philip J. van der Eijk. My contribution to this project will be another translation with commentary: book II (for a start) of the *Tetrabibloi* of Aetius of Amida (6th century CE). For this job I had to move to Berlin in January, and I have a contract here until August 2016.

Because of the upheaval of moving, my own book, *Early Byzantine Medicine – A Sourcebook*, has ended up very much on the back burner, but I hope to be able to get back to it soon.

I am also still acting as supervisor for two dissertations on Graeco-Roman medicine at the Medizinische Universität Wien (Vienna).

Publications

Articles in books

‘Medicine, Roman military’, ‘Wounds, nature and treatment of’ and ‘Archery’, in: R. Bagnall *et al.* (eds), *Encyclopedia of Ancient History*. Wiley-Blackwell, Oxford 2012

‘Caring for the sick and wounded’, in: B. Campbell, L. Tritle (ed.), *The Oxford Handbook of Warfare in the Classical World*, Oxford University Press, Oxford, etc., 2013 ch. 14, 294-311

Lectures, seminars and conferences

May 2013

Workshop for the ‘Towards a Galen in English’ project at the Humboldt-Universität, Berlin, Germany

July 2013

Workshop for the ‘Towards a Galen in English’ project at the Humboldt-Universität, Berlin, Germany

Andrea Salter

Dr Andrea Salter joined the European Research Council funded project ‘Economics in the Public Sphere’ (ECONPUBLIC) in September 2012. To date, the project has organised two successful events: in April 2013 it hosted a two-day workshop on ‘Interrogating Economics in the Public Sphere’ (<http://www.econpublic.hps.cam.ac.uk/events/workshop-interrogating/>) with a Plenary paper given by Professor Donald MacKenzie (<http://www.econpublic.hps.cam.ac.uk/2013/06/watch-the-lives-of-financial-derivatives-models/>); and in June 2013 the project organised a workshop on ‘Economic Reason: Intellectuals and

Think Tanks in the Late Twentieth Century’ (<http://www.econpublic.hps.cam.ac.uk/events/workshop-economic-reason/>), which included a public lecture delivered by Geoff Mulgan (Chief Executive of NESTA).

From January 2013, Andrea was also appointed part-time Research Associate on the Economic and Social Research Council funded project: ‘Whites Writing Whiteness: Letters, Domestic Figurations and Representations of Whiteness in South Africa from the 1770s to the 1970s’, based at the University of Edinburgh (www.whiteswritingwhiteness.ed.ac.uk).

Publications

Articles in books

Stories, or ‘someone telling something to someone about something’: Stories in Olive Schreiner’s Letters and Nella Last’s Mass Observation Diary in L. Stanley (ed) *Documents of Life Revisited! Narrative and Biographical Methodology for a 21st Century Critical Humanism* (Ashgate, 2013), 93-105

Articles in journals

(with L Stanley and H Dampier) ‘The work of making and the work it does: Cultural sociology and ‘bringing-into-being’ the cultural assemblage of the Olive Schreiner letters’, *Cultural Sociology* 7 (2013), OnlineFirst (February), forthcoming in print
(with L Stanley and H Dampier) ‘The epistolary pact, letterness and the Schreiner epistolarium’, *a/b: Auto/Biography Studies* 27 (2012), 263-93

Lectures, seminars and conferences

April 2013

‘Producing the Olive Schreiner Letters Online: ‘archival sensitivity’ in practice?’ *Engaging Sociology*, British Sociological Association Annual Conference, London

Simon Schaffer

In October 2013 Simon Schaffer was elected a Fellow of the British Academy. He broadcast for Radio 4 on the historic relations between science and culture (‘The Value of Culture’, January 2013) and on the quest for absolute zero (‘In Our Time’, March 2013). He wrote and presented a BBC TV documentary on the history of automata (Furnace Films for BBC4). He acted as co-principal investigator for the AHRC project on ‘Exploring Traditions: Sources for a Global History of Science’, based at CRASSH, and continued as principal investigator on the AHRC project on the Board of Longitude. He served as member of the advisory boards of the Science Museum, the Scott Polar Research Institute, the Maison Française Oxford and the Centre Koyré, Paris. He chaired the HPS Board and managed the part 2 teaching programme.

Publications

Articles in books

‘How disciplines look’, in Andrew Barry and Georgina Born (eds.), *Interdisciplinarity: reconfigurations of the social and natural sciences* (Routledge, 2013), 57-81

‘Commentary’ in Mirjam Brusius, Katrina Dean and Chitra Ramalingam (eds.), *Beyond photography: William Henry Fox Talbot* (Yale, 2013), 271-91

‘Dame Nature cares nothing for us’ and ‘Afterthought: of maker’s knowledge’ in Pasquale Gagliardi, Anne Marie Reijnen and Philipp Valentini (eds.), *Protecting nature, saving creation* (Palgrave Macmillan, 2013)

Articles in journals

‘Swedenborg’s lunars’, *Annals of science* 70 (2013)

Lectures, seminars and conferences

December 2012

‘The Bifurcation of Nature’, SPEAP, Sciences Po, Paris

February 2013

‘Automata’, seminar series on Things: early modern material culture, CRASSH, Cambridge

Discussant, Field Notes, seminar series on histories of archaeology and anthropology, CRASSH, Cambridge

March 2013

‘Understanding (through) things’, Workshop on the Location of Knowledge, CRASSH, Cambridge

‘The silent trade’, plenary lecture for Conference on Dimensions of Measurement, ZiF, Bielefeld

April 2013

‘L’observatoire éphémère’, series ‘Savoirs d’anticipation’, EHESS, Paris

May 2013

‘Global science in the eighteenth century’, Eighteenth century seminar, History Faculty/Emmanuel College, Cambridge

Co-organiser, ‘Exploring traditions: sources for a global history of science’, CRASSH, Cambridge

June 2013

‘Digital replication’, workshop on ‘Copies, casts and replicas’, LSE, London

July 2013

Organiser, conference on ‘Navigating eighteenth century science and technology’, CRASSH, Cambridge

September 2013

Visiting lecturer, Office for History of Science, Uppsala University

Anna Kathryn Schoefert

Anna Kathryn Schoefert is a second-year PhD student in the Department funded by the Gates Cambridge Trust and the AHRC. In 2012 she received an European Science Foundation (ESF) Exchange Grant and spent ten weeks in the fall in Switzerland and Germany, hosted by the ESF Research Network Programme “Standard Drugs, Drug Standards” at the Forschungszentrum

für Sozial- und Wirtschaftsgeschichte, University of Zurich and the Institut für Geschichte der Medizin, Charité in Berlin. In Lent Term, she co-organised the Twentieth Century Reading Group with Dmitriy Myelnikov.

Lectures, seminars and conferences

October 2012

‘Hirnkisten, Handergographen, das “Original-Präparat *par excellence*”, Biber: Forschungsvorhaben in einer psychiatrischen Anstalt Mitte des 20. Jahrhunderts’, *Psychiatrie-AG*, Institut für Geschichte der Medizin, Charité, Berlin

Anne Secord

Publications

Edited books

Gilbert White, *The Natural History of Selborne* (Oxford: Oxford University Press, 2013). With introduction (pp. 19) and Appendix containing responses to the work from 1789 to 1974.

(with F. Burkhardt *et al.*) *The Correspondence of Charles Darwin*, vol. 20 (1872) (Cambridge: Cambridge University Press, 2012)

Articles in books

‘Talbot’s First Lens: Botanical Vision as an Exact Science’, in Chitra Ramalingam, Mirjam Brusius, and Katrina Dean, eds, *William Henry Fox Talbot: Beyond Photography* (New Haven: Yale University Press, 2013), pp. 41-66

‘Elizabeth Gaskell’s social vision: the natural histories of *Mary Barton*’, in Ben Marsden, Haze; Hutchinson, and Ralph O’Connor, eds, *Uncommon Contexts: Encounters between Science and Literature 1800-1939*. (London: Pickering and Chatto, 2013)

Lectures, seminars and conferences

November 2012

‘Cool fruits and hotbeds: the unnatural cultivation of the eighteenth-century cucumber.’ Evening talk at the Balsham Horticultural Society

February 2013

‘“The man with the detective eye”: observation in Gilbert White’s *Natural History of Selborne* (1789).’ Seminar presented at the Cabinet of Natural History, Department of the History and Philosophy of Science, University of Cambridge

May 2013

‘Amelia Griffiths and seaweed collecting in the early 1800s’ Society for the History of Natural History meeting on ‘Collectors and Collections in the Royal Albert Memorial Museum’, Exeter

Jim Secord

As holder of the University Library's Sandars Readership in Bibliography for 2012-13, Jim Secord gave three lectures on 'Visions of Science: Books and Readers at the Dawn of the Victorian Age' at Christ's College; these have now been expanded into a book to be published in 2014. During the current year he also appeared in a HBO television documentary on Darwin and religion, and advised on Mike Leigh's forthcoming film on the artist J.M.W. Turner. He also continues as Director of the Darwin Correspondence Project, and is Head of Department from September 2013.

Publications

Edited books

(with F Burkhardt et al), *The Correspondence of Charles Darwin*, (1872), vol. 20, (Cambridge University Press, 2013)

Lectures, seminars and conferences

October 2012

Discussant for 'How to see a system: The visual anthropology of paper tools during the late Enlightenment' Matthew Eddy, *Representation Seminar*, CRASSH

November 2012

'The purpose of scientific inquiry', *History and Science Forum*, Trinity Hall, Cambridge

'The machinery question, the press and the decline of science debate in the 1830s', *Seminar in Economic and Social History*, University of Cambridge

February 2013

'Fantastic voyages: Humphry Davy's *Consolations in travel*', 'The conduct of gentlemen: John Herschel's *Preliminary discourse on the study of natural philosophy*', 'Nature for the people: George Combe's *Constitution of man*': 'Visions of Science: Books and Readers at the Dawn of the Victorian Age', *Sandar's Lectures in Bibliography*, University of Cambridge

July 2013

'The paper world of science: a brief overview', 24th *International Congress of History of Science, Technology and Medicine*, ICHSTM Manchester

Richard Serjeantson

Fellow, Trinity College

Publications

Articles in books

- ‘Hume’s *Natural History of Religion* (1757) and the demise of modern Eusebianism’, in *The Intellectual Consequences of Religious Heterodoxy*, ed. by John Robertson and Sarah Mortimer (Leiden: Brill, 2012), pp. 267–95
- ‘Bacon, Francis’, in *The Encyclopedia of English Renaissance Literature*, ed. by Garrett A. Sullivan, Jr. and Alan Stewart (Oxford: Blackwell, 2012).
- ‘Becoming a Philosopher in Seventeenth-Century Britain’, in *The Oxford Handbook of Philosophy in Seventeenth Century Britain*, ed. by Peter R. Anstey (Oxford: Oxford University Press, 2013), pp. 9–38.

Lectures, seminars and conferences

October 2012

- ‘Descartes before Dualism? A new manuscript draft of the *Regulae ad directionem ingenii*’. Public Lecture, The Warburg Institute, University of London, 17 October
- ‘Francis Bacon and the Interpretation of Nature in the Late Renaissance’. Queen Mary English Department Postgraduate Research Seminar, 18 October

December 2012

- ‘Descartes before Dualism? A new manuscript draft of the *Regulae ad directionem ingenii*’. Faculty of Philosophy, University of Bucharest, 5 December
- ‘Caterpillars and Copernicanism: Francis Willughby and the New Philosophy’. Faculty of Philosophy, University of Bucharest, 7 December

January 2013

- CRASSH Fellows Work-in-Progress Seminar, Cambridge, 21 January

February 2013

- ‘New Light on the Early Descartes’. HPS Departmental Seminar, University of Cambridge, 14 February
- ‘Editing neo-Latin philosophy’. Cambridge Society for Neo-Latin Studies, Clare College, Cambridge, 26 February

April 2013

- ‘Henry More and Origins of English Natural Theology’. AHRC Workshop on Cambridge Platonism, Clare College, Cambridge, 5 April
- ‘New Light on the Early Descartes’. 2nd *Scientiae* Conference, University of Warwick, 28 April

May 2013

‘The Education of Francis Willughby: New philosophy and natural history in mid-seventeenth century Cambridge’. Cabinet of Natural History seminar, HPS, Cambridge, 6 May
‘Francis Bacon and the Interpretation of Nature in the Late Renaissance’. Keynote address, 4th Bucharest Graduate Conference in Early Modern Philosophy, 11 May

June 2013

‘The Composition, Circulation, and Revision of Francis Bacon’s *Valerius Terminus*’. The Warburg Institute, London, 16 June

September 2013

‘Political Thought in the English Universities, c.1600–1642.’ The Folger Institute, Washington DC, 20 September
‘Making a noise in early modern natural philosophy’. USC–Huntington Seminar in Material and Visual Culture, 28 September

Andreas Sommer

Joined the department in June 2013.

Publications

Articles in books

‘Spiritualism and the origins of modern psychology in late nineteenth-century Germany: The Wundt-Zöllner debate’ in CM Moreman (ed), *The Spiritualist Movement: Speaking with the Dead in America and Around the World* (Praeger, 2013), vol 1, 55-72

Articles in journals

‘Normalizing the supernormal: The formation of the “Gesellschaft für Psychologische Forschung” (“Society for Psychological Research”), c. 1886-1890’, *Journal of the History of the Behavioral Sciences* 49 (2013), 18-44

Lectures, seminars and conferences

October 2012

‘Exorcising the ghost from the machine. Affect, emotion, and the enlightened naturalisation of the “poltergeist”’, *Emotions, Health, and Wellbeing, Society for the Social History of Medicine Conference 2012*, Centre for the History of the Emotions, Queen Mary University, London

(with Andrea Grau, University of Barcelona) ‘Historiographies of psychical research’, *Work In Progress Seminar*, UCL Centre for the History of Psychological Disciplines, University College London

January 2013

‘Historiographies of the “Occult”, or: What does it mean to be rational?’, opening speech, *Psychical research and Parapsychology in the History of Medicine and the Sciences*, UCL Centre for the History of Psychological Disciplines, University College London

April 2013

‘Science, the occult and concepts of rationality’, *SPR Study Day No. 65*, Society for Psychical Research, London

Liba Taub

Liba Taub is Director and Curator of the Whipple Museum of the History of Science, and Professor of History and Philosophy of Science. A Fellow of Newnham College, she is Director of Studies in HPS and Graduate Tutor. She holds a Visiting Fellowship sponsored by the Einstein Foundation, at the TOPOI (Berlin) Excellence Cluster devoted to the Formation and Transformation of Space and Knowledge in Ancient Civilizations. She serves on the evaluation panel for Research in Museums, organised by the Volkswagen Foundation, the Wissenschaftliche Beirat of the Deutsches Museum (Munich) and the UK Spoliation Advisory Panel, as well as various University and College committees. She is now a member of the Editorial Board for *Rhizomata: a Journal for Ancient Philosophy and Science*, and has been elected a Corresponding Member of the Académie Internationale d’Histoire des Sciences.

Publications

Articles in books

‘On the Variety of ‘Genres’ of Greek Mathematical Writing: Thinking about Mathematical Texts and Modes of Mathematical Discourse’, in M. Asper (ed.), *Writing Science: Medical and Mathematical Authorship in Ancient Greece* (De Gruyter, 2013), 333-366.

Lectures, seminars and conferences

February 2013

‘History of Science and the Museum’, University of Oklahoma, History of Science Department

March 2013

Workshop on Ancient Scientific, Technical and Medical Writing, Excellence Cluster TOPOI, Berlin (co-organiser, with Aude Doody)

July 2013

‘The Whipple Museum MPhil essay model for research projects’, in session on Artefacts and beyond: multiple perspectives on material culture research, part of symposium on ‘Research in science museums: the state of the art’, International Congress of History of Science, Technology and Medicine, Manchester

‘Genres of archiving science in Greco-Roman antiquity’, Sciences of the Archives Working Group, Max Planck Institute, Berlin

August 2013

(with E Perkins) “‘For the sake of ornament’: symbolic representation in Tycho Brahe’s small brass quadrant”, Conference on Iconography on Scientific Instruments, Interdisciplinary Centre for Science and Technology Studies (IZWT), University of Wuppertal

Tomas Undurraga

Research Associate at the History and Philosophy of Science Department, ECONPUBLIC Project.

Publications

Articles in books

“Instrucción, indulgencia y justificación: los circuitos culturales del capitalismo chileno”. Chapter in Ossandón, José & Eugenio Tironi (Ed) 2012. Adaptación. La empresa chilena después de Friedman. Editorial Universidad Diego Portales, Chile. Pp 135 - 166.

<http://estudiosdelaeconomia.wordpress.com/2013/04/18/lanzamiento-adaptacion-la-empresa-chilena-despues-de-friedman/>

Articles in journals

“Transformaciones sociales y fuentes de poder del empresariado chileno (1975-2010)”. Journal ‘Ensayos de Economía’, Colombia, No.41, Julio-Diciembre de 2012. Vol 22, ISSN 0121-117X Pp 201 – 225.

Lectures, seminars and conferences

March 2013

Seminar presentation, March 8: *"Economics in the Public Sphere since 1945: UK, US, France, Argentina and Brazil"*. Núcleo de Pesquisas em Cultura e Economia, Universidad Federal de Rio de Janeiro, Brazil.

April 2013

Co-organising Workshop – “Interrogating Economics in the Public Sphere”, HPS Department, University of Cambridge, 18 & 19 April 2013.

June 2013

Co-organising Workshop – “Economic reason: intellectuals and think tanks in the late twentieth century”, HPS Department, University of Cambridge, June 28 2013

Michelle Wallis

I am a second year PhD student, working on a thesis entitled ‘Handbill advertising and the public practice of medicine in early modern England’, supervised by Dr Lauren Kassell. I have co-convened the CRASSH seminar series ‘Things: Early Modern Material Culture’ since 2012 and recently successfully led an application to renew our funding for another academic year. I blog on academic matters at mountebanksmistress.blogspot.co.uk and tweet at Michelle L Wallis. This year I volunteered as an assistant at the Cambridge History for Schools programme, and next May I will be conducting my own session on early modern medicine for 7-11 year olds. In 2012-2013 I have supervised third year students in medieval medicine, early modern

medicine, a primary source module on Defoe's *Journal of a Plague Year*. I also supervised IB students in the history of science.

Publications

Online

Various blog posts at my blog mountebanksmistress.blogspot.com

Various blog posts for the 'Things: Early Modern Material Cultures' Seminar series <http://thingsc18th.wordpress.com/>

Cambridge PhDcast video interview for CRASSH <http://www.crash.cam.ac.uk/page/1193/michelle-wallis.htm>

Lectures, seminars and conferences

October 2012

'A Favourable Construction Upon this Public Way of Practice': Handbill Advertisements and the Medical Marketplace of Early Modern England'; Cambridge Interdisciplinary Early Modern Seminar, University of Cambridge.

January 2013

Convened panel: Printed Credit and Material Credibility: Ephemeral Print and the Political, Scientific and Medical 'Markets' of Eighteenth Century England, British Society for Eighteenth Century Studies Conference (BSECS), Oxford.

BSECS Paper title: 'Communicating Credibility: Handbill Advertisements and the 'Medical Marketplace' of the long Eighteenth Century'.

May 2013

'Ephemerality and Print'; Object workshop presented with Dr Ed Potten, Dr Laura Nuvoloni and Harriet Philipps at the Cambridge University Library, as part of the Ephemerality and Durability in Early-Modern Visual and Material Culture Colloquia, CRASSH, University of Cambridge

'Of Monsters and Mangled Tongues: Tales from Early Modern English Medical Advertising, 1660–1720', Cambridge PhDcast, CRASSH, Cambridge. Video/audio interview available on iTunes U and YouTube, hosted on CRASSH website <http://www.crash.cam.ac.uk/page/1193/michelle-wallis.htm>

June 2013

'Medical Print 1660-1720: Bills on the Streets of London', HPS History Workshop paper, Department of the History and Philosophy of Science, University of Cambridge

July 2013

'Publicity and Practice: Handbill Advertisements and the 'Medical Marketplace' 1660-1720', paper to be presented at International Congress for the History of Science, Technology and Medicine

September 2013

'Papering Over the Past – Ephemeral Print and the Early Modern History of Medicine, 1660-1720', paper to be presented at the Ephemerality and Durability in Early-Modern Visual and Material Culture Colloquia, USC-Huntington Early Modern Studies Institute, Huntington Library, San Marino, California

Rick Welch

Rick Welch is Dean of Arts and Sciences Emeritus and Professor of Biological Sciences at the University of Maryland, Baltimore County. He is a Resident Member of Clare Hall and an Affiliated Research Scholar in the Department of History and Philosophy of Science at Cambridge.

Rick Welch continues with a long-term research project, funded by the Wellcome Trust, dealing with the lexical aspects of the history of physiology. He serves on the advisory panel and research network for an AHRC-funded project on *Biology and the Humanities*, based at the University of Reading, UK. He is also a consultant to the Cultural Programs of the US National Academy of Sciences for the *Dome Explorer* project (in collaboration with the University of Maryland), involving the development of a history of science computer app for a virtual tour of the Great Hall in the National Academy of Sciences building in Washington, DC.

Paul White

Publications

Edited books

(with J. Secord, *et al.*) *The Correspondence of Charles Darwin*, vol. 20 (Cambridge University Press, 2013)

Lectures, seminars and conferences

January 2013

The Experimental Novel, Cabinet of Natural History, HPS

March 2013

Knowing Affect, King's College, Cambridge

Darwin and Altruism, Acts of Kindness event, Cambridge Science Festival

July 2013

Darwin, Butler and the Art of Reading, St. John's College, Cambridge

Darwin's Home of Science, ICSTM, Manchester

Frances Willmoth

My principal project in this last year has been a collaborative one: the checking and co-editing of the late Professor Edward Miller's translation of the portions of the Ely Coucher Book relating to places in the Isle of Ely. This document dates from 1251 and describes the Bishop of Ely's manors and the feudal obligations of his tenants. I have also continued the process of preparing Jonas Moore's *Mapp of the Great Levell of the Fenns* [1658] for publication in facsimile by Cambridge Records

Society. In the course of my job as Archivist at Jesus College, I have been involved in organising the transfer of Jacob Bronowski's papers to the college from Toronto. On behalf of Cambridge Archivists' Group, I drafted a formal response to plans for the inclusion of accommodation for Cambridgeshire Archives in the University's scheme to establish a 'Cultural Centre' as part of its projected development in North West Cambridge.

Lectures, seminars and conferences

September 2013

'An introduction to the history of science - showcasing seventeenth-century work on the satellites of Jupiter', a lecture for Jesus College's summer-school for prospective students

Catherine Wilson

Work in progress is concerned with the fate of atomism and Lucretian social and political philosophy in 18th century philosophy; also Kant's critical idealism vis-à-vis the spectre of materialism, and naturalistic foundations for moral theory.

Publications

Edited books

(with Desmond Clarke) *The Oxford Handbook of Philosophy in Early Modern Europe*, 2nd edition (OUP, 2013)

Articles in books

'Hobbes's *Leviathan*' In *The Oxford Handbook of British Philosophy in the Seventeenth Century*, ed Peter Anstey (OUP, 2013) 519-541

Articles in journals

Grief and the Poet' (with comments by Gilmore, James, Ricks, Russell, and Walton) *British Journal of Aesthetics*, 53 (2013) 77-9

'Replies to My Critics,' idem. pp. 117-123

'Darwin and Nietzsche,' *The Journal of Nietzsche Studies* 44 (2013) 353-369

Reviews

'Curiosity and Conciliation: A New Leibniz Biography. 'Essay Review of Maria Rosa Antognazza, *Leibniz: A Biography: Modern Intellectual History*, 9 (2012) pp. 409-421

Lectures, seminars and conferences

October 2012

'Leibniz's Theodicy: Some 18th Century Reactions,' *Leibniz's Theodicy: Reception and Relevance* Lisbon

November 2012

‘The Animal,’ *Systems of Nature*, Huntington Library, Pasadena CA

December 2012

‘Is Moral Naturalism Bad for People?’ *New Enlightenment Lecture*, University of Edinburgh

February 2013

‘Mach, Musil and Modernism,’ *London Aesthetics Forum*, Senate House, London

March 2013

‘Acts of Kindness,’ *Darwin Project, Cambridge Science Festival*, Hills Road 6th Form College, Cambridge

June 2013

Comment on Peter McLaughlin, ‘Kant and the Systematicity of Nature,’ *First Workshop of the Leverhulme International Network Kant and the Laws of Nature*, University of Edinburgh

September 2013

‘Internal and External Reasons,’ *Department of Philosophy Colloquium*, Rice University, Houston, USA

John Young

I have spent the last year producing or proofreading transcriptions for the Casebooks Project (<http://www.magicandmedicine.hps.cam.ac.uk/>), maintaining project documentation, updating and adding to the website and contributing to discussion of editorial and coding policy. Apart from the main website pages, none of this material has yet been released, but the number of transcriptions available on the website is set to more than double in the fairly near future. I cannot lay claim to sole authorship of any of this material, since the transcriptions are co-produced by Robert Ralley and me (one of us transcribing, one of us checking) and rely on editorial input from Lauren Kassell and technical support and advice from Michael Hawkins. I have, however, also made significant revisions and additions to the Project's Transcription and Tagging Guidelines, of which I am the principal author, though again these have not yet been made publicly accessible since they are still a work in progress.

Seminar Programmes

Michaelmas Term 2012

Seminars

Departmental Seminars

Seminars are held on **Thursdays from 4.30 to 6.00pm in Seminar Room 2**, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand from 4pm in Seminar Room 1. Organised by Karin Ekholm.

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|-------------|---|
| 11 October | Inaugural Lecture by Professor Hasok Chang
Scientific pluralism and the mission of history and philosophy of science
<i>4.45pm in Mill Lane Lecture Room 3</i> |
| 18 October | Eleanor Robson (HPS, Cambridge)
Geographies of knowledge in Assyria and Babylonia, c.800–200 BC |
| 25 October | Anna Alexandrova (HPS, Cambridge)
Reasoning about well-being: between psychometrics and philosophy |
| 1 November | Huw Price (Philosophy, Cambridge)
Where would we be without counterfactuals? |
| 8 November | Alex Marr (History of Art, Cambridge)
Ingenuity in the gallery |
| 15 November | Christina Benninghaus (HPS, Cambridge)
Infertility – the making of a modern experience, Germany 1870–1930 |
| 22 November | Tiago Mata (HPS, Cambridge)
The knowledge practices of <i>Fortune</i> magazine: leadership, numeracy and poetry, 1930–1945 |

Seminar Programmes are sent out at the start of every term to the names on our mailing list. Please contact the Department if you would like to be added to or removed from the mailing list, or if you change your address. Seminar information is also available at www.hps.cam.ac.uk/seminars

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

Abstracts

11 October **Hasok Chang (HPS, Cambridge)**

Scientific pluralism and the mission of history and philosophy of science

What is HPS for? Why do we need such a professional academic discipline? There are many ways of doing HPS and many functions it can serve. However, especially when we intend it as a separate discipline apart from general history, general philosophy, and science itself, I believe that HPS at its best is an expression of pluralism concerning science. The need for HPS in this mode arises from the tendency of modern science to assume that it is in possession of the one right way of studying nature that will eventually yield a uniquely correct and unchangeable body of knowledge. Such an assumption can and should be countered both by philosophical critique and historical awareness. HPS can promote a healthy pluralism concerning science, which holds that it is beneficial to maintain multiple systems of knowledge even within one field of study, both for the distinctive contributions that each system can make and for the benefits of interactions between different systems. This mission of HPS can be most effectively achieved if history and philosophy work together, each maintaining respectful yet critical engagement with science itself. HPS practiced in this way, which I call ‘complementary science’, can improve scientific knowledge by recovering forgotten knowledge from past science, extending the recovered knowledge, and enhancing critical awareness. HPS can also contribute to the maturing of the role of science in society, by helping science move beyond monistic arrogance and enter into an open-minded and constructive engagement with other spheres of life. A full integration of HPS into science education and public intellectual life would be a momentous step, enabling the educated public to participate once again in the cultivation of our knowledge of the universe.

18 October **Eleanor Robson (HPS, Cambridge)**

Geographies of knowledge in Assyria and Babylonia, c.800–200 BC

Over the past decade or so, geographical questions have become increasingly prominent in the history and sociology of recent science: how and why do ideas, techniques, theories, and methods propagate around the scientific world (or fail to do so), and how do they acquire meaning and value as they do so? How do changing socio-political contexts affect those movements and interpretations? For the past five years, I’ve been leading an AHRC-funded research project here in the Department that poses (and attempts to answer) similar questions about how scholarly knowledge travelled in the ancient Middle East. In this seminar I will describe what we’ve been doing and some of the conclusions we’ve reached. I will focus especially on Babylonia (southern Iraq) in the first millennium BC, when successive conquests and occupations by the Assyrians, Persians and Greek Macedonians each had a major impact on where scholarly work took place, for whom, and what it meant to its practitioners and patrons.

25 October **Anna Alexandrova (HPS, Cambridge)**

Reasoning about well-being: between psychometrics and philosophy

Well-being is nowadays an object of science. It has various formal properties: precise definitions, measurement procedures, causal maps. But along with that, it remains an object of social policy and personal deliberation, and this requires normativity – well-being must be something worth pursuing and promoting. That is, a scientific construct of well-being must refer to something that a normative argument identifies as reasonably close to well-

being. What sort of argument and how can we secure it? Philosophers think such an argument must come from a theory of prudential value (traditionally eudaimonism, hedonism and desire fulfillment). Scientists, on the other hand, validate their constructs and measures using psychometric tests. I argue that neither option is right and outline a better way.

1 November **Huw Price (Philosophy, Cambridge)**

Where would we be without counterfactuals?

Bertrand Russell's famous lecture 'On the Notion of a Cause' was first delivered to the Aristotelian Society on 4 November 1912, as Russell's Presidential Address. The paper is best known for a characteristically provocative passage in which Russell positions himself between the traditional metaphysics of causation and the British crown, firing a broadside in both directions. 'The law of causality', he declares, 'Like much that passes muster in philosophy, is a relic of a bygone age, surviving, like the monarchy, only because it is erroneously supposed to do no harm.' To celebrate the lecture's approaching centenary, I offer a contemporary assessment of the significance and fate of the issues that Russell here puts on the table, and of the health or otherwise, at the end of its first century, of his notorious conclusion.

8 November **Alex Marr (History of Art, Cambridge)**

Ingenuity in the gallery

Willem II van Haecht's 'Gallery of Cornelis van der Gheest' (1628) is the best known and most extensively discussed example of the Flemish 'pictures of collections' genre, which rose to prominence in Antwerp in the first half of the seventeenth century. Yet despite the painting's fame, a key aspect of its allegory has been curiously overlooked. This paper will argue that the image should be read as a celebration of *ingenium*: a shared attribute of the *cognoscenti* – be they patrons, artists, or scholars – that populate the gallery space.

15 November **Christina Benninghaus (HPS, Cambridge)**

Infertility – the making of a modern experience, Germany 1870–1930

When IVF was introduced, it was seen as ushering in a new era marked by the ability to manipulate life. Regarding infertility, IVF was perceived as a watershed, neatly dividing a past in which infertility had been regarded as fate and present in which involuntarily childless couples faced unprecedented but ethically problematic options. Historians of medicine would not subscribe to this view. Rather they would point to the fact that infertility had long been perceived as a medical condition, demanding sound diagnosis and at times rather aggressive forms of treatment. In my paper, I will ask how the meaning of infertility changed during the late 19th and the early 20th century. I will look at the forms of diagnosis and treatment that were available during this period but also at the changing value Western societies attributed to motherhood and fatherhood, to children and to the ability to shape one's own life course. Was there something specifically 'modern' about the ways in which infertility was perceived during this period? How does it compare to earlier times? And if there was substantial change, how can we understand the relationship between broader social and cultural changes and the dynamics brought about by advances in science and medicine?

22 November **Tiago Mata (HPS, Cambridge)**

The knowledge practices of *Fortune* magazine: leadership, numeracy and poetry, 1930–1945

Fortune magazine, with its first issue in February 1930, was a luxury item for the Great Depression, expensive, extravagantly written and ornately illustrated. The second title in Henry Luce's publishing empire set out to reinvent business reporting. In its first two decades, it laid claim to innovation with the corporation story, surveys of popular opinion and with expert round tables. Drawing on archival records I will reconstruct the working relations between editors, writers, artists, researchers and the ever present editor-in-chief Luce. I will contrast *Fortune*'s reporting with the evolving repertoire of social representation of 1920 and 1930s North America, notably Cornelia Stratton Parker's 'Working with the Working Woman' at *Harper's Magazine*, *Survey Graphic*, and the Farm Security Administration's photojournalism. I argue that *Fortune*'s documentary gaze extends a heroic imaginary of industry to all quarters of social life in the Great Depression.

Cabinet of Natural History

This research seminar is concerned with all aspects of the history of natural history and the field and environmental sciences. Seminars are held on **Mondays at 1pm in Seminar Room 1**. You are welcome to bring your lunch with you.

Organised by James Hall.

8 October **Jim Moore (Open University)**

Making livings: the economic worlds of Wallace and Darwin

15 October **Nicky Reeves (HPS, Cambridge)**

The Whipple Museum is full of rubbish!

22 October Fungus Hunt

29 October **Anne Secord (HPS, Cambridge)**

'The man with the detective eye': observation in Gilbert White's *Natural History of Selborne* (1789)

5 November **Helen Curry (HPS, Cambridge)**

Radiation and restoration: saving the American chestnut tree in the Atomic Age

12 November **Allison Ksiazkiewicz (HPS, Cambridge)**

'The Age of Reptiles' and 'Memnonium or Head of Rameses': the frontispiece of George Fleming Richardson's *Geology for Beginners* (1842 and 1843)

19 November **Megan Barford (HPS, Cambridge)**

Camelopardalis Giraffa in 1830s London: polite spectacle at Regent's Park

26 November **Natalie Lawrence (HPS, Cambridge)**

Birds of paradise and collecting Eden: mythogenesis in Renaissance natural history

Research Topics and Resources Seminars

Seminars on research topics and resources in history and philosophy of the sciences and medicine, **for all new graduate students**, are held on **Thursday 4 October and Monday 15 October at 4pm in Seminar Room 2**.

Tea is available from 3.45pm in Seminar Room 1. All welcome.

Each seminar will consist of short informal talks introducing some basic topics and methodologies. The seminars are complemented by an online guide at www.hps.cam.ac.uk/research.

Organised by Eleanor Robson and Tim Lewens.

- 4 October **Eleanor Robson:** Introduction to research resources in HPS
Salim Al-Gailani: Researching the history of twentieth-century biology
Katharina Kraus: Researching philosophy of science
Josh Nall: Researching in the Whipple Museum
- 15 October **Matthew Lane:** Research skills training offered by the School of Humanities and Social Sciences
Jenny Rampling: Working with Early Modern sources
Shirlene Badger: Interviewing scientists for sociological research
Patricia Fara: Scientific imagery

History of Medicine Seminars

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**. Tea and biscuits are available from 4.40pm. All welcome!

Early medicine seminars are organised by Peter Jones and Hannah Newton; modern medicine by Salim Al-Gailani and Helen Curry.

- 9 October **Ayesha Nathoo (HPS, Cambridge)**
A delicate alliance: aid agencies and the media in Britain since the 1960s
- 23 October **Hannah Murphy (University of California, Berkeley)**
Consensus, correspondence and the development of the ‘second opinion’ in Nuremberg’s medical reformation, 1560–1598
- 13 November **Keren Hammerschlag (King’s College London)**
Group formations: surgeons and artists in Victorian group portraiture
- 27 November **Seth LeJacq (Johns Hopkins University)**
Ordinary seamen, bodily knowledge and Royal Navy sex crimes trials, 1688–1783

Generation to Reproduction Seminars

These seminars, on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**, are funded by our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). Tea and biscuits are available from 4.40pm. All welcome!

Organised by Nick Hopwood and Lauren Kassell.

16 October **Gayle Davis (University of Edinburgh)**

Test-tubes and turpitude: infertility and artificial insemination in mid-twentieth-century Scotland

6 November **Marisa Benoit (University of Oxford)**

‘No good fruit’: attitudes toward infertility in colonial New England

Generation to Reproduction Reading Group

This group discusses pre-circulated papers, classics as well as our own work, in the area of our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). We also hold work-in-progress sessions.

This term’s meetings will be at 5–7pm (tea from 4.50) on **Tuesdays 30 October and 20 November in Seminar Room 1**. To join the group, please email generate@hermes.cam.ac.uk.

Twentieth Century Think Tank

The Twentieth Century Think Tank (TCTT) offers broad coverage of 20th- and 21st-century topics in the history, philosophy and sociology of science, technology and medicine. The regular programme of papers and discussions takes place on Thursday (fortnightly) over lunch.

Meetings are held **every other Thursday at 1pm in Seminar Room 1**. All welcome!

Organised by Helen Curry.

11 October **Soraya de Chadarevian (UCLA)**

Heredity under the microscope

25 October **Katherine Angel (University of Warwick)**

Wanting your own words: writing in the first person about sexuality and feminism

8 November **Boris Jardine (Science Museum, London)**

The Peckham Experiment

22 November **Martin Underwood (University of Oxford)**

Joseph Rotblat: physics, the Bomb and some consequences

Things: Early Modern Material Cultures

The seminar meets **alternate Tuesdays, 12.30–2.30pm in the Seminar Room, Alison Richard Building, West Road**. A light lunch will be provided.

The early-modern period was the age of ‘stuff’. Public production, collection, display and consumption of objects grew in influence, popularity and scale. The form, function and use of objects, ranging from scientific and musical instruments to weaponry and furnishings were influenced by distinct and changing features of the period. Early-modern knowledge was not divided into strict disciplines, in fact practice across what we now see as academic boundaries was essential to material creation. This seminar series uses an approach based on objects to encourage us to consider the unity of ideas of this period, to emphasise the lived human experience of technology and art, and the global dimension of material culture. Each seminar will feature two talks each considering the same type of object from different perspectives.

Organised by Katy Barrett, Sophie Waring and others.

Further information at www.crash.cam.ac.uk/page/1036/things-material-cultures-.htm

- 9 October **Jonathan Lamb (Vanderbilt University) and Elizabeth Eger (King’s College London)**
Thinking things
- 23 October **Mary Laven (History, Cambridge) and Maia Jessop (Archaeology and Anthropology, Cambridge)**
Worshipping things
- 6 November **Hanneke Grootenboer (University of Oxford) and Joserra Marcaida Lopez (University of Cambridge)**
Stilling things
- 20 November **Simon Chaplin (Wellcome Library) and Christelle Rabier (London School of Economics)**
Curing things

CamPoS

CamPoS (Cambridge Philosophy of Science) is a network of academics and students working in the philosophy of science in various parts of Cambridge, including the Department of History and Philosophy of Science and the Faculty of Philosophy. For further details of the composition and activities of CamPoS, see www.camposgroup.org. The Wednesday afternoon seminar series features current research by CamPoS members as well as visitors to Cambridge and scholars based in nearby institutions. If you are interested in presenting in the series, please contact Vashka dos Remedios. If you have any queries or suggestions for other activities that CamPoS could undertake, please contact Huw Price, Jeremy Butterfield or Hasok Chang.

Seminars are held on **Wednesdays, 1.00–2.30pm in Seminar Room 2**.

- 10 October **Dean Rickles (University of Sydney)**
All possible perspectives: a defence of Eddington’s selective subjectivism

- 17 October **Emily Thomas (Philosophy, Cambridge)**
Catharine Cockburn on substantial space: a ‘new’ 18th-century solution
- 24 October TBC
- 31 October **Adam Caulton (Philosophy, Cambridge)**
TBC
- 7 November **Jonathan Birch (HPS, Cambridge)**
Altruism and relatedness in microbial populations
- 14 November **Angela Breitenbach (University of East Anglia)**
Aesthetics in science
- 21 November **Giovanni Valente (University of Pittsburgh)**
Lanford’s theorem and the emergence of irreversibility
- 28 November **Arif Ahmed (Philosophy, Cambridge)**
Modality in decision theory

Graduate workshops

HPS History Workshop

Need help writing a tricky part of your argument, converting a PhD chapter into an article, or simply getting fresh ideas and references? The History Workshop is an informal setting to discuss your written works-in-progress on any area of the history of science, medicine and technology, and get feedback from your early-career colleagues. The workshop continues in Michaelmas after a successful first year in 2011–2012. A draft chapter, article, or conference paper will be circulated by email before each meeting. We’ll then discuss it together over tea and biscuits at **5pm on alternate Wednesdays in Seminar Room 1**.

Contact Michael Bycroft or Francis Neary if you are interested in sharing your work in this forum.

- 17 October **Alexi Baker (HPS, Cambridge)**
Jane Squire, the lone woman of the longitude: gender and religion in early modern science
- 31 October **Jenny Rampling (HPS, Cambridge)**
‘What is Mercury?’, chapter 1 of *The Making of English Alchemy*, the speaker’s forthcoming book
- 14 November **Nicky Reeves (HPS, Cambridge)**
Everything is illuminated: candles, funerals and sensuous technology in 18th-century London
- 28 November **Iain P. Watts (Princeton University)**
Fashionable intelligence: popular experiences of galvanism and the Regency newspaper press

HPS Philosophy Workshop

Would you like to get feedback on your work-in-progress in a friendly and supportive atmosphere? Texts will be circulated one week in advance and discussed over tea and biscuits in **Seminar Room 1 on alternate Wednesdays, 5–6pm**. Share a draft of your MPhil essay, PhD chapter, potential article, or any research-in-progress in the philosophy of science, broadly construed.

Organised by Vashka dos Remedios.

- | | |
|-------------|---|
| 10 October | Shahar Avin (HPS, Cambridge)
Science funding 2.0 |
| 24 October | Steve Irish (HPS, Cambridge)
The chemical origins of Sir Benjamin Collins Brodie Jr.'s <i>Calculus of Chemical Operations</i> |
| 7 November | James Poskett (HPS, Cambridge)
Mind your Ps and Qs: a contrastive account of testimonial inference to the best explanation |
| 21 November | Katharina Kraus (HPS, Cambridge)
Objectivity in psychology – a Kantian perspective |

Aims and Methods of Histories of the Sciences

A series of six workshops led by Nick Jardine on **Thursdays at 10am in Seminar Room 1**, starting on 18 October.

These workshops are for discussion of the identity, aims, methods and problems of the history of science. In the first, NJ will give an overview of the formation of history of science as a discipline. In the second, we shall discuss problems of anachronism. Possible subsequent topics include 'sociological approaches to the history of science', 'Big Pictures versus microhistories', 'histories of the circulation of scientific knowledge', 'the purposes of the history of science'. Suggestions for topics and readings will be welcome as will volunteers to introduce topics.

Graduate Training

Training workshops for the Department's graduate students and postdoctoral researchers are held throughout the academic year. Most, but not all, are on **Fridays at 1pm**.

The full programme is available at www.hps.cam.ac.uk/students/training.

Language groups

Latin Therapy

Latin Therapy will meet on **Fridays in the Lodge Seminar Room from 4–5.30pm**. The first meeting this term will take place on 12 October and the last on 23 November. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits!

More information can be found at our website: www.hps.cam.ac.uk/latintherapy. To be added to the mailing list, or to suggest a text, please contact Seb Falk.

Greek Therapy

Greek Therapy meets **every Wednesday during term time in the Lodge Seminar Room from 5.30 to 7pm**.

We are an informal group for beginners and for experienced readers of Greek seeking to brush up their skills – all levels are welcome. Sessions usually involve a basic grammar session at the beginning followed by reading through a more advanced text (often, but not always, Plato); we will vote on this term's text at the first meeting of term. For more information or to be added to the mailing list, please email Liz Smith.

Reading and discussion groups

Nature and Culture Reading Group

This term we will be reading a series of articles drawn from the recent special issue of *Philosophical Transactions of the Royal Society B* (2012: 367) entitled 'New Thinking: The Evolution of Human Cognition', edited by Cecilia Heyes and Uta Frith. This new group is supported by Tim Lewens's SCINAT ERC Grant. All are welcome, including those sceptical of the cultural evolutionary project. In addition to philosophers and historians of science we also hope to attract researchers from the biological sciences, psychology and all branches of archaeology and anthropology.

The papers can all be accessed online from <http://rstb.royalsocietypublishing.org/content/367/1599.toc>

Meetings will take place on **Fridays, 2–3pm in the Lodge Seminar Room**. For further information contact Beth Hannon or Tim Lewens.

- | | |
|------------|---|
| 5 October | Cecilia Heyes, 'New thinking: the evolution of human cognition' |
| 12 October | Peter Godfrey-Smith, 'Darwinism and cultural change' |
| 19 October | Cecilia Heyes, 'Grist and mills: on the cultural origins of cultural learning' |
| 26 October | Kim Sterelny, 'Language, gesture, skill: the co-evolutionary foundations of language' |
| 2 November | Daphna Buchsbaum, Sophie Bridgers, Deena Skolnick Weisberg and Alison Gopnik, 'The power of possibility: causal learning, counterfactual reasoning, and pretend play' |

- 9 November Nicholas Shea, 'New thinking, innateness and inherited representation'
- 16 November Chris D. Frith, 'The role of metacognition in human social interactions'
- 23 November Nikolaus Robalino and Arthur Robson, 'The economic approach to "theory of mind"'

Philosophy and History of Physics Reading Group

This reading group meets on **Tuesdays, 2.00–3.00pm in Seminar Room 1.**

Organised by Hasok Chang, Simon Schaffer, Nazim Bouatta and Jeremy Butterfield.

9 October **Dean Rickles (University of Sydney)**

Institute of Field Physics, Inc

During the remainder of Michaelmas Term we will be discussing Theodore Arabatzis, *Representing Electrons: A Biographical Approach to Theoretical Entities* (Chicago: University of Chicago Press, 2006).

Science and Literature Reading Group

Rivers, Lakes and Oceans

We meet fortnightly on **Mondays from 7.30 to 9pm in the Godwin Room in Clare College.** Please note the different arrangements for our second meeting. Many of the readings are available online: follow the links at www.hps.cam.ac.uk/seminars. Copies of the harder-to-obtain items will be placed in our box file in the Whipple Library.

Organised by Liz Smith (Darwin Correspondence Project), Esther Momcilovic (HPS) and Daniel Friesner (Science Museum). All welcome!

- 15 October Owen Chase, *Narrative of the most extraordinary and distressing shipwreck of the whale-ship Essex*, etc. New York, 1821.
- 29 October We will go and see David Lebrun's film *Proteus* (2004), which is showing at the Picturehouse on St Andrew's Street, as part of the 'Darwin and Human Nature' film series. Please buy your own ticket, and note the early start time of 6.30pm. The film is 60 minutes long, and is inspired by Ernst Haeckel's studies of radiolarians. Afterwards we will repair to Clare College for refreshments and further discussion. If you have time, please also read: Henrik Ibsen, *The Lady from the Sea* (1888).
- 12 November Lidiya Zinovyeva-Annibal, 'The Monster', from *The Tragic Menagerie* (1907), translated by Jane Costlow (Northwestern University Press, 1999), pp. 61–74.
Reprinted in Robert Chandler (ed), *Russian Short Stories from Pushkin to Buida* (Penguin, 2005).
L.P. Hartley, *The Shrimp and the Anemone* (1944), Chapter 1. Reprinted in *Eustace and Hilda* (1958).

- 26 November David Starr Jordan, 'The story of a strange land', *Popular Science Monthly*, February 1892, pp. 447–458.
 Yokomitsu Riichi, 'Shizuka naru raretsu' (1925), translated by John Bester as 'Silent Ranks', in *Time and Others*, 1965, pp. 69–103.

Twentieth Century Reading Group

The group will discuss books and papers relating to the history and historiography of 20th-century science, technology and medicine, broadly construed. Readings will be placed well in advance in a box in the Whipple Library and on CamTools.

Meetings are **every other Thursday from 1–2pm in the Lodge Seminar Room**.

Organised by Dmitriy Myelnikov.

- 18 October Jon Agar, *Science in the Twentieth Century and Beyond*, Cambridge: Polity, 2012
 Ch. 18. Networks (433–465)
 Ch. 20. Conclusions (499–530)
- 1 November Soraya de Chadarevian, *Designs for Life: Molecular Biology after World War II*, Cambridge: CUP, 2002
 Ch. 5. Televisual Language (136–163)
 Ch. 9. Laboratory cultures (264–299)
- 15 November David Kirby, *Lab Coats in Hollywood: Science, Scientists and Cinema*, Cambridge, MA: MIT Press, 2011
 Ch. 5. Cinematic Fact-Checking: Negotiating Scientific Facts within Filmmaking Culture (95–119)
 Ch. 9. The Future is Now: Diegetic Prototypes and the Role of Cinematic Narratives in Generating Real-World Technological Development (193–219)
 (Optional) Ch. 3. Valuing expertise: The Entertainment Industry's and Scientific Community's Motivations in the Science Consulting Relationship (41–65)
- 29 November Gregg Mitman, *Breathing Space: How Allergies Shape Our Lives and Landscapes*, New Haven: Yale University Press, 2007
 Ch. 4. Choking Cities (130–167)
 Ch. 5. On the Home Front (167–205)

History and Theory Reading Group

Culture in Transit

In this term, we are broadly interested in the conceptions and uses of culture, and their models in the history of science and technology. We start with Jim Secord's model to characterize science and knowledge: a communicative model of knowledge, followed by particular cultural responses and adaptations to the Industrial

Revolution and Weimar Culture. In between, we will also have a look at various theoretical construals of culture.

Meetings take place on **Fridays, 3.00 to 4.30pm in Seminar Room 1**. Hard copies of the readings will be placed in a box in the Whipple Library, and soft copies sent to the hps-discussion list in advance of each meeting. Links to some readings are available at www.hps.cam.ac.uk/seminars. Organised by Eóin Phillips and Minwoo Seo. All welcome!

12 October 'Communicative model of knowledge' with **Jim Secord**

Jim Secord, 'Knowledge in Transit', *Isis* 95 (2004), pp. 654–672

Jim Secord, 'A Planet in Print: Rethinking the Discovery of Neptune' (unpublished draft)

Jim Secord, 'Scientific Discovery as Illustrated News in Early Victorian Britain' (unpublished draft)

26 October 'Cultural interpretations of technology and the Industrial Revolution' with **Alex Hutton**

Thomas Carlyle, 'Signs of the Times' (1829)

D.H. Lawrence, 'Nottingham and the Mining Country' in his *Selected Essays* (Penguin, 1930)

Danny Boyle's Olympic Opening Ceremony

9 November 'Culture and exchange' with **Eóin Phillips**

Raymond Williams, 'Culture is Ordinary', in his *Resources of Hope: Culture, Democracy, Socialism* (Verso, pp. 3–14)

Marshall Sahlins, 'Cosmologies of Capitalism: The Trans-Pacific Sector of "The World System"', *Proceedings of the British Academy* 74 (1988), pp. 1–51

William Sewell, 'The Concepts of Culture', in Victoria E. Bonnell and Lynn Hunt, eds., *Beyond the Culture Turn* (University of California Press, 1999), pp. 35–61

23 November 'Political culture and adaptation' with **Hasok Chang**

Paul Forman, 'Weimar Culture, Causality, and Quantum Theory, 1918–1927: Adaptation by German Physicists and Mathematicians to a Hostile Intellectual Environment', *Historical Studies in the Physical Sciences* (1971), pp. 1–115

Kant Reading Group

The Transcendental Ideal in Immanuel Kant's Critique of Pure Reason

The topic in Michaelmas term will be Kant's critique of traditional metaphysics – with a particular focus on rational theology and the conception of an ideal. Our discussions will be based on several passages from the Transcendental Dialectic of the *Critique of Pure Reason* (1781/7). In the Dialectic, Kant puts forward his critique of traditional metaphysics by describing the transcendental illusions that occur if the categories of the understanding are misapplied to entities beyond the bounds of sense. In order to get a general idea of Kant's strategy, we will first read the introductory sections of the Dialectic, in which he introduces his account of

reason (in contrast to the understanding) and his conception of ‘transcendental ideas’. We will then turn to Kant’s critique of speculative theology, as presented in Book 3 of the *Dialectic*. In it, Kant elaborates on the transcendental ideal and the thesis of complete determination. We will finally round off our discussions by looking at the Appendix of the *Dialectic*, which specifies the regulative use of the ideas of reason.

Meetings are held in the **Lodge Seminar Room, 3.30–5.00pm on Tuesdays**. They begin with a short presentation and are followed by general discussion. All are most welcome. If you have any questions, please feel free to contact Katharina Kraus.

Kant, Immanuel (1781/7, 1998) (CpR) *Critique of Pure Reason*, trans. and ed. P. Guyer and A.W. Wood, Cambridge: CUP.

- 9 October Introduction to the Transcendental Dialectic & Book 1 (A293/B349 – A338/B396)
Focus of the session: ‘Introduction’ (A293/B349 – A309/B366)
- 16 October Introduction to the Transcendental Dialectic & Book 1 (A293/B349 – A338/B396) cont.
Focus of the session: ‘On the concepts of pure reason’ (Book 1, Sec. I) & ‘On transcendental ideas’ (Book 1, Sec. II) (A310/B366 – A332/B389)
- 23 October Introduction to the Transcendental Dialectic & Book 1 (A293/B349 – A338/B396) cont.
Focus of the session: ‘The system of transcendental ideas’ (Book 1, Sec. III) & additionally ‘On the dialectic inferences of pure reason’ (Book 2, Sec. I) (A333/B390 – A340/B398)
- 30 October Introduction to the Transcendental Ideal (A567/B595 – A583/B611):
Focus of the session: ‘On the ideal in general’ (Third Book, Sec. I) & ‘On the transcendental ideal’ (Book 3, Sec. II) (A567/B595 – A575/B603)
- 6 November Introduction to the Transcendental Ideal cont. (A567/B595 – A583/B611):
Focus of the session: ‘On the transcendental ideal’ (Book 3, Sec. II cont.) (A575/B603 – A583/B611)
- 13 November Appendix ‘On the regulative use of ideas’ (A642/B670 – A651/B679)
- 20 November Appendix ‘On the regulative use of ideas’ cont. (A651/B679 – A660/B688)
- 27 November Appendix ‘On the regulative use of ideas’ cont. (A660/B688 – A668/B696)

AD HOC

AD HOC is a history of chemistry reading group based in Cambridge and London. While our main focus is historical, we also consider the philosophical, sociological, public and educational dimensions of chemistry.

The group meets four times per term, on **Mondays, 5pm–6.30pm in Seminar Room 1**. Readings are available from the Whipple Library, and also circulated via our mailing list. A parallel series of meetings is held in London. For details visit our website, www.hps.cam.ac.uk/adhoc.

Organised by Hasok Chang and Jenny Rampling.

- 15 October **Peter M. Jones (King’s College, Cambridge)**
Alchemy and medicine in the later Middle Ages

Chiara Crisciani & Michela Pereira, 'Black Death and Golden Remedies: Some Remarks on Alchemy and the Plague', in Agostino Paravicini Bagliani & Francesco Santi (eds.), *The Regulation of Evil: Social and Cultural Attitudes to Epidemics in the Late Middle Ages* (Florence: Sismel, 1998), 7–39

Michela Pereira, 'Mater Medicinarum: English Physicians and the Alchemical Elixir in the Fifteenth Century', in Roger French, Jon Arrizabalaga, Andrew Cunningham & Luis Garcia-Ballester (eds.), *Medicine from the Black Death to the French Disease* (Aldershot: Ashgate, 1998), 26–52

Later start time for this session: 5.30pm to 7pm

29 October **Iain P. Watts (Princeton University)**

Electrochemistry and fashionable science

Humphry Davy, 'Lecture: Introductory to Electro-Chemical Science [delivered 1808]', in John Davy (ed.), *The Collected Works of Sir Humphry Davy*, vol. VIII (London: Smith, Elder and Co., 1840), 274–286

Thomas Skinner Surr, *A Winter in London*, vol. 2 (London: Phillips, 1806), 172–186

12 November **Jeremiah James (Max Planck Institute for the History of Science, Berlin)**

Origins of modern chemical modelling

Jeremiah James, 'The Materiality of Modern Bonds: Early-Twentieth-Century Transformations in Chemical Modeling' (draft chapter)

Eric Francoeur, 'Molecular Models and the Articulation of Structural Constraints in Chemistry', in Robert Cohen, Jürgen Renn & Kostas Gavroglu (eds.), *Tools and Modes of Representation in the Laboratory Sciences* (Boston: Kluwer, 2001), 95–115

26 November **James Sumner (University of Manchester)**

Controversy brewing, or, the problem with making beer chemical

James Sumner, 'Chemists, Druggists and Beer-Doctors'. Draft of Ch. 5, *The Book and the Brewhouse* (forthcoming)

Fredrick Accum, *Treatise on Adulterations*, 2nd ed. (London, 1820), 145–212

John Tuck, *Private Brewer's Guide*, 2nd ed. (London, 1822), Preface (viii–xii) and 231–244

This special session will be held in a nearby pub, with live demonstrations by Dr Sumner!

Lent Term 2013

Seminars

Departmental Seminars

Seminars are held on **Thursdays from 4.30 to 6.00pm in Seminar Room 2**, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand from 4pm in Seminar Room 1.

Organised by Helen Curry.

- 17 January ***Eighth Cambridge Wellcome Lecture in the History of Medicine***
Maaïke van der Lugt (Université Paris Diderot – Paris 7 / Institut Universitaire de France)
Generatio: medieval debates about procreation, heredity and ‘bioethics’
- 24 January **Patricia Fara (HPS and Clare College, Cambridge)**
Poet of progress: serendipity and the search for Erasmus Darwin
- 31 January **Tim Button (Philosophy, Cambridge)**
What pluralism could be and might do
- 7 February **Jonathan Birch (HPS, Cambridge)**
Selection and maximization
- 14 February **Michael Edwards (Jesus College) and Richard Serjeantson (Trinity College)**
New light on Descartes’s philosophical starting-point: an unknown manuscript of the *Rules for the Direction of the Mind*
- 21 February **Nick Jardine (HPS, Cambridge)**
Kepler’s Temple of Urania in the light of Hebenstreit’s Idyll
- 28 February **David Leith (Classics, Cambridge)**
Herophilus of Chalcedon on the soul and the nervous system
- 7 March **Francis Neary (HPS, Cambridge)**
Charles Darwin and the margins between flora and fauna in the 1870s: the case of insectivorous plants

Seminar Programmes are sent out at the start of every term to the names on our mailing list. Please contact the Department if you would like to be added to or removed from the mailing list, or if you change your address.

Seminar information is also available at www.hps.cam.ac.uk/seminars

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

Abstracts

17 January *Eighth Cambridge Wellcome Lecture in the History of Medicine*

Maaïke van der Lugt (Université Paris Diderot – Paris 7 / Institut Universitaire de France)

Generatio: medieval debates about procreation, heredity and ‘bioethics’

In medieval debates, the idea that the mixture of substances provided by parents determines the appearance and sex of the child coexisted, without contradiction, with the conviction that environmental and behavioural factors also play an important part. Even though the scholastics invented the concept of hereditary disease, distinctions now common between heredity and development, between the acquired and the inherited, had only limited relevance. *Generatio*, not heredity, was the central concept. *Generatio* wasn’t just the stuff of scholastic speculation. As is the case today, debates about the mechanism of conception, the nature of the substances involved, and the development of the seed into a viable human being had larger moral, legal and practical significance. Several of these issues will be addressed in the lecture: whether abortion must be equated with murder, the treatment reserved for ‘monstrous’ births, and the extent to which there was room, within the medieval concept of *generatio*, for eugenics.

Discussion led by Maaïke van der Lugt:

The invention of hereditary disease in medieval medicine

Thursday 17 January at 11.30am in Seminar Room 1 – all welcome

The concept of hereditary disease – which would play a crucial role in modern debates about heredity – is a medieval creation. Taking their cue from Arabic medical treatises, scholastic physicians forged the concept of hereditary disease by transferring the traditional, legal sense of the adjective (related to the transmission of goods) to the biological realm. However, Western physicians went beyond their sources. They developed legal analogies, defined the types of illnesses that are passed on by heredity, and proposed various causal patterns to account for them. The most articulate medieval discussions, which explicitly distinguish between the hereditary and the congenital, date from around 1320. Hereditary disease remained, nevertheless, relatively marginal in later medieval medicine, especially compared to debates about plague; the latter not only challenged dominant theories of disease, like hereditary disease, but also constituted an urgent threat for whole populations.

24 January **Patricia Fara (HPS and Clare College, Cambridge)**

Poet of progress: serendipity and the search for Erasmus Darwin

A champion of Enlightenment progress, Erasmus Darwin also became a target of abuse. Energetic and sociable, this corpulent teetotaler ran a successful medical practice, was a Fellow of the Royal Society and a key member of the Lunar Society. Famous for his long poems on plants, technology and evolution, Darwin envisaged a progressive universe that is fuelled by sexual energy and governed by natural laws rather than directly by God. I relate him to two contemporary poets, Richard Payne Knight and William Jones, who were also committed to the notion of progress but are now better known as (respectively) a theorist of landscape and a pioneer of linguistics. Through considering the satirical poem ‘The Loves of the Triangles’ (1798), I interpret Darwin as a more significant political figurehead than historians have hitherto recognised. Focussing on this aspect of his

influence suggests a fresh interpretation of the Lunar Society as a forum for social reform as much as for industrial innovation.

31 January **Tim Button (Philosophy, Cambridge)**

What pluralism could be and might do

Plenty of philosophers of science now explicitly advocate some form of *pluralism*. Sometimes this is a *methodological* pluralism: we should consider lots of different problems, and tackle them using many different approaches and theoretical frameworks. That sounds good. But sometimes this is *ontological pluralism*: what exists is (somehow) relative to our approaches and frameworks. This is sometimes invoked to debunk various metaphysical projects, which are presumed to have framework-independent ambitions. I have good news and bad news for ontological pluralists with such motivations. The bad news is that ontological pluralism is incoherent. The good news is that there is a coherent form of pluralism that will do just as well at debunking metaphysics.

7 February **Jonathan Birch (HPS, Cambridge)**

Selection and maximization

The notion that evolution by natural selection is a process of fitness-maximization gets a bad press in population genetics, and understandably so. Yet in other areas of biology, the view that organisms behave as if maximizing their fitness (or, in cases of social behaviour, their inclusive fitness) remains widespread. In a series of recent papers, the Oxford geneticist Alan Grafen has sought to reconcile population genetics with fitness-maximization through a research programme he terms 'Formal Darwinism'. In this paper, I explain and criticize this attempted rapprochement.

14 February **Michael Edwards (Jesus College)** and **Richard Serjeantson (Trinity College)**

New light on Descartes's philosophical starting-point: an unknown manuscript of the *Rules for the Direction of the Mind*

The discovery of a hitherto entirely unknown manuscript of an early draft of René Descartes's first philosophical work, the *Regulae ad directionem ingenii*, places us in an unparalleled position to reassess the intellectual starting-point of the most important philosopher of the 17th century. This paper will introduce the new manuscript before going on to consider its significance for our understanding of Descartes's earliest views on method, on the contribution of mathematics to philosophy, and on the nature of the mind.

21 February **Nick Jardine (HPS, Cambridge)**

Kepler's Temple of Urania in the light of Hebenstreit's Idyll

The frontispiece of Kepler's *Tabulae rudolphinae* (1627) shows a temple of Urania (the muse of astronomy), liberally equipped with astronomers ancient and modern, goddesses, diagrams, inscriptions, and coins scattered from the beak of the Imperial eagle hovering above. It is accompanied by a 458 hexameter explanatory *Idyllion* by Johann Baptist Hebenstreit (Rector of the Ulm gymnasium). The frontispiece has attracted extensive attention in the secondary literature, the poem much less, perhaps because it is difficult and elaborate. After saying a little about what is known of the circumstances of production of the image and poem, I shall consider

the ways in which Hebenstreit handles the main themes of the image: the progress of astronomy through the ages, the roles of instruments and observations, the battle of the world systems, and the production of the *Tabulae rudolphinae* under Imperial patronage. I shall also speculate on the significances of certain notable omissions and apparent misrepresentations. This talk is based on the work of a team including also Elisabeth Leedham-Green, Christopher Lewis and Isla Fay.

28 February **David Leith (Classics, Cambridge)**

Herophilus of Chalcedon on the soul and the nervous system

Herophilus of Chalcedon, working in Alexandria in the early 3rd century BC, is probably best known for his discovery of the nervous system, that is, for his anatomical isolation of the nerves as a distinct structure within the body, and his recognition of their function in mediating sensation and voluntary motion. In antiquity, his research was taken by many, including Galen, to have established the brain as the seat of the so-called hegemonikon, or ruling part of the soul. Yet it has often seemed surprising to historians, or at least regrettable, that the dominant Hellenistic philosophical schools failed to take account of this major advance made by Herophilus, given that the Epicureans, Stoics and Aristotelians stubbornly continued to regard the heart, or chest, as the central organ of the soul. This paper will argue that in fact Herophilus' own claims as to the brain's importance were much more limited than is usually assumed, and that the primarily Aristotelian framework within which he approached the question of the soul's functioning led him to a more complex view, one that preserved an important role for the heart.

7 March **Francis Neary (HPS, Cambridge)**

Charles Darwin and the margins between flora and fauna in the 1870s: the case of insectivorous plants

On a prolonged summer holiday to the boggy Sussex hollows in 1860, Darwin stumbled across insect-eating sundews. His kitchen experiments (stimulating, heating, poisoning, and cutting them) became a distraction from his writing and letters, and his daughter Henrietta's illness. He was free to let these macabre experiments dictate future problems to solve, becoming fascinated by their animal-like responses, and how they caught and digested prey. The project was shelved until the early 1870s, when he began to investigate a broader range of species of insectivorous plant that trapped, drowned, poisoned, smothered, anaesthetised, and glued their victims. As he grappled with his ignorance of 'vegetable physiology', Darwin sought help from prominent physiologists and chemists working on animal topics, including John Burdon Sanderson, Michael Foster, Emanuel Klein, Thomas Lauder Brunton, and Edward Frankland. He persuaded usual suspects like Hooker, Gray and Thiselton-Dyer to work with him on his new passion. The resulting specialist monograph sold less than 3,000 copies in Darwin's lifetime, and has been largely ignored by Darwin scholars. Yet it is important in showing how Darwin's later work was far from parochial in the cutting-edge scientific ideas that it mobilised, the networks of scientists that it galvanised, and the philosophical questions of the boundaries between plant and animal, and the evolution of 'nervous matter', that it addressed.

Cabinet of Natural History

This research seminar is concerned with all aspects of the history of natural history and the field and environmental sciences. Seminars are held on **Mondays at 1pm in Seminar Room 1**. You are welcome to bring your lunch with you. Organised by James Hall.

- 21 January **Michael Bycroft (HPS, Cambridge)**
Cabinet physics in 18th-century France: the case of the Iceland spar, 1710–1788
- 28 January **Paul White (Darwin Correspondence Project)**
Vivisection by storytelling: the experimental novel in the late 19th century
- 4 February **Anne Secord (Darwin Correspondence Project)**
‘The man with the detective eye’: observation in Gilbert White’s *Natural History of Selborne* (1789)
- 11 February **Marie-Françoise Besnier (HPS, Cambridge)**
When the archaeologists are searching for a legend: the (re-)invention of the Hanging Gardens of Babylon
- 18 February **Pratik Chakrabarti (University of Kent)**
Romanticism, aesthetics and violence in natural history
- 25 February **Lesley Steinitz (History, Cambridge)**
Beefing up science: British Bovril, bulging biceps and nutrition science
- 4 March **David Feller (HPS, Cambridge)**
The natural history of the Chihuahua: canine mythology and the science of breeding
- 11 March **Jesse Olszynko-Gryn (HPS, Cambridge)**
Harvesting toads in South Africa for pregnancy testing in Britain

Twentieth Century Think Tank

The Twentieth Century Think Tank (TCTT) offers broad coverage of 20th- and 21st-century topics in the history, philosophy and sociology of science, technology and medicine. The regular programme of papers and discussions takes place on Thursday (fortnightly) over lunch.

Meetings are held **every other Thursday at 1pm in Seminar Room 1**. All welcome!

Organised by Helen Curry.

- 24 January **Anne Hanley (History, Cambridge)**
The training and practice of English medical professionals in ophthalmia neonatorum, c. 1900–13
- 7 February **Anders Ekstrom (Uppsala University)**
The fall of Johnstown: exhibiting disasters at the turn of the 20th century
- 21 February **Rachel Rothschild (Yale University)**
Scientific uncertainty and ‘sufficient knowledge’: the development of a European-wide research programme on acid rain

7 March **Martin Theaker (History, Cambridge)**

Atomic energy and Britain's position in the world, 1954–56

History of Medicine Seminars

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**. Tea and biscuits are available from 4.40pm. All welcome!

Early medicine seminars are organised by Peter Jones and Hannah Newton; modern medicine by Salim Al-Gailani and Helen Curry.

22 January **Elma Brenner (Wellcome Library)**

Mental illness and cognitive impairment in central and late medieval Normandy: attitudes and responses

5 February **Carsten Timmermann (University of Manchester)**

Coping with recalcitrance: futility, frustration and failure in the history of cancer research

19 February **Alun Withey (University of Exeter)**

Mapping the medical marketplace: early modern Welsh practitioners and medical retail

5 March **Lara Marks (King's College London)**

From benchside to clinic: the rise of monoclonal antibodies in healthcare

Generation to Reproduction Seminars

These seminars, on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**, are funded by our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). Tea and biscuits are available from 4.40pm. All welcome!

Organised by Rebecca Flemming, Nick Hopwood and Lauren Kassell.

12 February **Emma-Jayne Graham (Open University)**

Moulded like wax, modelled in clay: votive offerings, swaddling and the making of infants in Hellenistic Italy

12 March **Joanna Bourke (Birkbeck, University of London)**

Labour pains: historical reflections from 1760 to the present

Generation to Reproduction Reading Group

This group discusses pre-circulated papers, classics as well as our own work, in the area of our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). We also hold work-in-progress sessions.

This term's meeting will be at 5.00–7.00pm (tea from 4.50) on **Tuesday 29 January in Seminar Room 1**.

Things: Early Modern Material Cultures

The seminar meets **alternate Tuesdays, 12.30–2.30pm in the Seminar Room, Alison Richard Building, West Road**. A light lunch will be provided. Organised by Katy Barrett, Sophie Waring and others.

Further information at www.crassh.cam.ac.uk/page/1036/things-material-cultures-.htm

- 22 January **Luisa Calè (Birkbeck, University of London) and Adam Smyth (Birkbeck, University of London)**
Altered things
- 5 February **Simon Schaffer (HPS, Cambridge) and Anna Maerker (King's College London)**
Model things
- 19 February **Jane Wildgoose (Kingston University and Keeper of The Wildgoose Memorial Library) and Mary Brooks (Durham University)**
Re-materialising things
- 5 March **Cordula van Wyhe (University of York) and Desmond Shawe-Taylor (Surveyor of the Queen's Pictures)**
Royal things

Field Notes: Histories of Archaeology and Anthropology

The seminar meets **alternate Thursdays, 1.30–3.30pm in the Seminar Room, Alison Richard Building, West Road** unless stated otherwise. Organised by William Carruthers and others. Further information at www.crassh.cam.ac.uk/page/1113/field-notes.htm

- 17 January **Kate Nichols (CRASSH, Cambridge)**
Discussant: **Brian Murray (CRASSH, Cambridge)**
Race: Greek sculpture and 'stuffed natives' at the Crystal Palace, Sydenham: defining the classical body in 1850s London
- 31 January **Oliver Hochadel (Institució Milà i Fontanals, CSIC, Barcelona)**
Discussant (TBC): **Robert Foley (Leverhulme Centre for Human Evolutionary Studies, Cambridge)**
Science and nationalism: Atapuerca, the making of a magic mountain: human origins research and national identity in contemporary Spain
Venue: B16, Faculty of Law
- 14 February **Pamela Smith (McDonald Institute for Archaeological Research, Cambridge)**
Professionalism: spaces of intellectual exchange at Cambridge over the last 100 years
- 28 February **Chris Evans (Cambridge Archaeological Unit)**
Regimentation: proof, discipline and military influence in 19th-century archaeology
- 14 March **Amara Thornton (UCL)**
Discussant: **Eleanor Robson (HPS, Cambridge)**

CamPoS

CamPoS (Cambridge Philosophy of Science) is a network of academics and students working in the philosophy of science in various parts of Cambridge, including the Department of History and Philosophy of Science and the Faculty of Philosophy. For further details of the composition and activities of CamPoS, see www.camposgroup.org. The Wednesday afternoon seminar series features current research by CamPoS members as well as visitors to Cambridge and scholars based in nearby institutions. If you are interested in presenting in the series, please contact Vashka dos Remedios. If you have any queries or suggestions for other activities that CamPoS could undertake, please contact Huw Price, Jeremy Butterfield or Hasok Chang. Seminars are held on **Wednesdays, 1.00–2.30pm in Seminar Room 2**.

- 23 January **Charlotte Werndl (LSE)**
The problem of double-counting evidence illustrated by climate science
- 30 January TBC
- 6 February **Emma Tobin (UCL)**
Domain specificity in protein classification: a problem for monism
- 13 February **Adrian Boutel (HPS, Cambridge)**
Winchgenstein and functional explanation
- 20 February **Katharina Kraus (HPS, Cambridge)**
Does psychological knowledge presuppose self-knowledge? A Kantian perspective
- 27 February **Brian Pitts (University of Notre Dame)**
Real change happens in general relativity, even in Hamiltonian form
- 6 March **Christopher Clarke (HPS, Cambridge)**
How autonomous are social scientific explanations?
- 13 March **Stephen John (HPS, Cambridge)**
The social epistemology of the International Panel on Climate Change

Graduate workshops

HPS History Workshop

Need help writing a tricky part of your argument, converting a PhD chapter into an article, or simply getting fresh ideas and references? The History Workshop is an informal setting to discuss your written works-in-progress on any area of the history of science, medicine and technology, and get feedback from your early-career colleagues. A draft chapter, article, or conference paper will be circulated by email before each meeting. We'll then discuss it together over tea and biscuits at **5pm on alternate Wednesdays in Seminar Room 1**. Contact Michael Bycroft or Francis Neary if you are interested in sharing your work in this forum.

- 30 January **Sean Dyde (HPS, Cambridge)**
Common sense and phrenology
- 13 February **Scott Anthony (History, Cambridge)**
Governing for happiness: Mark Abrams, the Central Statistical Office and the development of subjective social indicators
- 27 February **Dmitriy Myelnikov (HPS, Cambridge)**
The meanings of a breakthrough: categories, news and priority in the making of transgenic mice
- 13 March **Tim Rogan (History, Cambridge)**
Varieties of tacit knowledge

HPS Philosophy Workshop

Would you like to get feedback on your work-in-progress in a friendly and supportive atmosphere? Texts will be circulated one week in advance and discussed over tea and biscuits in **Seminar Room 1 on alternate Wednesdays, 5–6pm**. Share a draft of your MPhil essay, PhD chapter, potential article, or any research-in-progress in the philosophy of science, broadly construed.

Organised by Vashka dos Remedios and Toby Bryant.

- 23 January **Rune Nyrup (HPS, Cambridge)**
More models, more problems?
- Date TBC **Minwoo Seo (HPS, Cambridge)**
Scientific discovery and Wittgenstein's hinges
- 20 February **Katherina Kinzel (University of Vienna)**
Theory ladenness and narrative in the history of science: (how) can historical evidence support philosophical arguments?
- 6 March **Zina Ward (HPS, Cambridge)**
TBC

Graduate Training

Training workshops for the Department's graduate students and postdoctoral researchers are held throughout the academic year. Most, but not all, are on **Fridays at 1pm**. The full programme is at

www.hps.cam.ac.uk/students/training.

Reading and discussion groups

Nature and Culture Reading Group

This term we will be reading key texts on various foundational issues within anthropology concerning the definition of and study of culture. In particular we aim to bring the evolutionary themes we explored in last term's reading group into closer contact with anthropological concerns. To get access to photocopies of the texts you can email Beth Hannon (emh57).

This new group is supported by Tim Lewens's SCINAT ERC Grant. All are welcome, including those sceptical of the cultural evolutionary project. In addition to philosophers and historians of science we also hope to attract researchers from the biological sciences, psychology and all branches of archaeology and anthropology.

Meetings will take place on **Fridays, 2–3pm in the Lodge Seminar Room**. For further information contact Beth Hannon or Tim Lewens.

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|-------------|--|
| 18 January | Culture naturalized?
Dan Sperber, <i>Explaining Culture</i> (1996) 'How to be a true materialist in Anthropology' 9–31 |
| 25 January | Culture as an organic whole?
Bronislaw Malinowski, <i>Argonauts of the Western Pacific</i> (1922) 'Introduction' 1–20
Section 1–3 from Mark Risjord 'Ethnography and Culture' 399–410 in Stephen Turner and Mark Risjord (eds) <i>Philosophy of Anthropology and Sociology</i> (2007) |
| 1 February | Actors' vs analysts' categories
Marvin Harris (1976) 'History and significance of the emic/etic distinction', <i>Annual Review of Anthropology</i> 5:329–350
Section 4 from Mark Risjord 'Ethnography and Culture' 410–413 in Stephen Turner and Mark Risjord (eds) <i>Philosophy of Anthropology and Sociology</i> (2007) |
| 8 February | Culture as a text?
Clifford Geertz, <i>The Interpretation of Cultures</i> (1973) 'Thick Description' 1–32
Section 5 from Mark Risjord 'Ethnography and Culture' 413–416 in Stephen Turner and Mark Risjord (eds) <i>Philosophy of Anthropology and Sociology</i> (2007) |
| 15 February | Contemporary culture
Marilyn Strathern 'The Relation' (1995) |
| 22 February | Culture naturalized or relativized?
Alex Mesoudi 'A Cultural Species' in <i>Cultural Evolution: How Darwinian theory can explain human culture</i> (2011) 1–24
Section 6 from Mark Risjord 'Ethnography and Culture' 416–421 in Stephen Turner and Mark Risjord (eds) <i>Philosophy of Anthropology and Sociology</i> (2007) |
| 1 March | Culture evolution biology
Alex Mesoudi 'Evolutionary Ethnography: Cultural Evolution in the Field' in <i>Cultural Evolution: How Darwinian theory can explain human culture</i> (2011) 161–176 |

Franz Boas excerpt (248ff) from 'The aims of anthropological research', *Race, Language and Culture* (1948) 243–259

8 March Culture and theory

Patrick Baert (2006a) 'Social Theory and the Social Sciences' in G. Delanty (ed.) *Handbook of Contemporary European Social Theory* (London: Routledge) 14–24; or

Patrick Baert (2006b) 'The Relationship between Social Theory and Empirical Research', *The International Journal of the Humanities* vol 3, nr 8, 265–276

Calculating People: A History and Philosophy of Social Science Reading Group

This term's programme is on late 20th century economics with a spotlight on approaches that integrate history and philosophy of science. We begin with *Age of Fracture* (Daniel T. Rodgers, 2011, New York: Harvard University Press), an intellectual history of the past 40 years that speaks of a loss of collective understandings of the social. We read *Error in Economics* (Julian Reiss, 2008, New York: Routledge), for a taste of the latest discussions on evidence-based policy. Most of the term's sessions will be devoted to *The World in the Model* (Mary S. Morgan, 2012, New York: Cambridge University Press), where we will find a history of modelling practices in economics.

Meetings take place on **Thursdays, 2.00–3.30pm in Seminar Room 1** and are organised by Tiago Mata and Anna Alexandrova.

17 January Rodgers, Prologue and chap. 2 – The Rediscovery of the Market

24 January Reiss, chap. 2 – Methodology and Expert Judgement in Evidence-Based Economics: Lessons from the CPI Controversy

31 January Morgan, chap. 1 – Modelling as a Method of Enquiry

7 February Morgan, chap. 4 – Character Making: Ideal Types, Idealization, and the Art of Caricature

14 February Morgan, chap. 5 – Metaphors and Analogies: Choosing the World of the Model

21 February Morgan, chap. 6 – Questions and Stories: Capturing the Heart of Matters

28 February Morgan, chap. 9 – Model Situations, Typical Cases, and Exemplary Narratives

7 March Morgan, chap. 10 – From the World in the Model to the Model in the World

Mary Morgan will join us to discuss her book.

Kant Reading Group

Unity as Regulative Idea

The topic in Lent Term will be the 'Unity as Regulative Idea'. We will read primary source from the *Critique of Pure Reason* (1781/7) and the *Critique of Judgment* (1790) as well as a selection of secondary readings. In the first part of the term, we will discuss the idea of the unity of nature, which guides our scientific enquiry in the

striving for systematicity of knowledge. In the second part, we will deal with the ideas of unity of consciousness and unity of reason, which – complementary to the unity of nature – guide our experience of ourselves as human beings and as moral agents. The exact reading list will be finalized in the first week of Lent Term.

Meetings are held in the **Lodge Seminar Room, 3.30–5.00pm on Tuesdays**. They begin with a short presentation and are followed by general discussion. All are most welcome. If you have any questions, please feel free to contact Katharina Kraus.

Kant, Immanuel (1781/7, 1998) (CpR) *Critique of Pure Reason*, trans. and ed. P. Guyer and A.W. Wood, Cambridge: CUP.

Kant, Immanuel (1790, 2000) (CJ) *Critique of the Power of Judgment*, trans. and ed. P. Guyer and A.W. Wood, Cambridge: CUP.

Science and Literature Reading Group

Linguistics and Philology

We meet fortnightly on **Mondays from 7.30 to 9pm in the Godwin Room in Clare College (Old Court)**. Some readings are available online: follow the links at www.hps.cam.ac.uk/seminars. Copies of the harder-to-obtain items will be placed in our box file in the Whipple Library.

Organised by Liz Smith (Darwin Correspondence Project), Esther Momcilovic (HPS) and Daniel Friesner (Science Museum). All welcome!

- 28 January E.M. Itard, *An Historical Account of the Discovery and Education of A Savage Man, or of The First Developments, Physical and Moral, of The Young Savage, caught in the woods near Aveyron, in the year 1798*. London: 1802.
- 11 February Émile Littré, ‘Comment j’ai fait mon dictionnaire de la langue française; causerie’, in *Études et glanures pour faire suite à l’histoire de la langue française* (1880), pp. 390–442. Translated by T.K. Gopalan as *How I made my dictionary*. Chennai: Cre-A, 1992.
Anatole France, *L’anneau d’améthyste* (1899), translated by B. Drillien as *The Amethyst Ring*. London: John Lane, The Bodley Head 1919. Chapter VI, pp. 113–141.
- 25 February Raymond Gallun, ‘Old Faithful’, *Astounding Stories*, Vol. 14, No. 4, December 1934, pp.106–131. Reprinted in *Imagination Unlimited* (ed. Bleiler & Dikty, 1952), *Before the Golden Age* (ed. Asimov, 1974), and many other collections.
Jack Vance, *The Languages of Pao*, especially Chapters I–IX. New York: Avalon Books, 1958 and several later editions. (This corresponds to chapters I–VI, pp. 4–37, in the earlier version of the novel published in *SATELLITE science fiction*, Vol. 2, No. 2, December 1957, pp. 4–92.)
- 11 March Julia Cho, *The Language Archive*. New York: Dramatists Play Service, 2012. Available for \$8 plus shipping from amazon.com

Philosophy and History of Physics Reading Group

This term we will read David Kaiser, *Drawing Theories Apart: The Dispersion of Feynman Diagrams in Postwar Physics* (University of Chicago Press, 2005) of which there is a copy in the Whipple Library. We meet on **Tuesdays, 2.00–3.00pm in Seminar Room 1**.

Organised by Jeremy Butterfield and Nazim Bouatta.

22 January **Jeremy Butterfield**: introduction to quantum theory and Feynman diagrams

29 January **Chitra Ramalingam**: Chapter 1

5 February **Nazim Bouatta**: Chapter 2

The chapters and discussants for subsequent meetings will be arranged in January.

History and Theory Reading Group

Opposition is True Friendship

In this term, we are broadly interested in live debates and controversies among scholars with urgent social, political and historical issues in mind. We are expecting to have open forum style meetings to provoke us all in any sense!

Meetings take place on **Fridays, 3.00 to 4.30pm in Seminar Room 1**. Hard copies of the readings will be placed in a box in the Whipple Library, and soft copies sent to the hps-discussion list in advance of each meeting. Links to some readings are available at www.hps.cam.ac.uk/seminars. Organised by Sean Dyde, Eóin Phillips and Minwoo Seo. All welcome!

25 January Albert Hirschman, *The Passions and the Interests: Political Arguments for Capitalism before Its Triumph* (Princeton Univ. Press, 1977)

8 February Marshall Sahlins, 'Cosmologies of Capitalism: The Trans-Pacific Sector of "The World System"', *Proceedings of the British Academy* 74 (1988), pp. 1–51

22 February David Bloor, 'Anti-Latour', *SHPS Part A* 30(1) (1999), pp. 81–112
Bruno Latour, 'For David Bloor ... and Beyond: A Reply to David Bloor's "Anti-Latour"', *SHPS Part A* 30(1) (1999), pp. 113–129

8 March Noam Chomsky and Michel Foucault, 'Human Nature: Justice vs. Power' (1971) in *The Chomsky-Foucault Debate: On Human Nature* (The New Press, 2006), pp. 1–67

AD HOC

AD HOC is a history of chemistry reading group based in Cambridge and London. While our main focus is historical, we also consider the philosophical, sociological, public and educational dimensions of chemistry.

The group meets several times per term, on **Mondays, 5pm–6.30pm in Seminar Room 1**. Readings are available from the Whipple Library, and also circulated via our mailing list. A parallel series of meetings is held in London. For details visit our website, www.hps.cam.ac.uk/adhoc.

Organised by Hasok Chang and Jenny Rampling.

4 February **Emma Spary (History, Cambridge)**

‘Gelatine’

Readings to be confirmed

25 February **Stephen Irish (HPS, Cambridge)**

‘Crystallography’

Charles Greville, Compte de Bournon, and Charles Oakley, ‘On the Corundum Stone from Asia’, *Philosophical Transactions of the Royal Society of London*, 88 (1798), 403–48

Stephen Irish, ‘The Corundum Stone and the Introduction of Analytic Crystallography to Britain’ (draft dissertation chapter)

11 March TBC

Twentieth Century Reading Group

The group will discuss books and papers relating to the history and historiography of 20th-century science, technology and medicine, broadly construed. Readings will be placed well in advance in a box in the Whipple Library and on CamTools.

Meetings are **every other Thursday from 1–2pm in the Lodge Seminar Room**.

Organised by Dmitriy Myelnikov and Kathryn Schoefert.

31 January Introduced by **Oliver Marsh**

David Kaiser, *How the Hippies Saved Physics: Science, Counterculture and the Quantum Revival* (New York: W.W. Norton, 2011):

Ch. 8, ‘Fringe?!’ (167–193)

Coda, ‘Ideas and Institutions in the Quantum Revival’ (263–284)

14 February Introduced by **Dmitriy Myelnikov**

Nikolai Krementsov, *A Martian Stranded on Earth: Alexander Bogdanov, Blood Transfusions and Proletarian Science* (Chicago: University of Chicago Press, 2010):

Ch. 1, ‘Revolutions: The Big Science of Visionary Biology’ (1–15)

Ch. 3, ‘Voyagers: To Mars and Back’ (33–54)

Ch. 4, ‘Earthly Realities: the Health of the Ruling Elite’ (55–72)

28 February Introduced by **Kathryn Schoefert**

Nicolas Rasmussen, *On Speed: The Many Lives of Amphetamine* (New York: New York University Press, 2006):

Ch. 3, ‘Speed and Total War’ (53–85)

Ch. 6, ‘Amphetamines and the Go-Go Years’ (149–181)

14 March Introduced by **Salim Al-Gailani**

Gabriela Soto Laveaga, *Jungle Laboratories: Mexican Peasants, National Projects and the Making of the Pill* (Durham, NC: Duke University Press, 2009):

Introduction (1–22)

Ch. 3, ‘Discovering and Gathering the New “Green Gold”’ (71–89)

Ch. 8, ‘Barbasqueros into Mexicans’ (169–196)

Optional: Ch. 6, ‘The State Takes Control of Barbasco’ (133–150)

Language groups

Latin Therapy

Latin Therapy will meet on **Fridays in the Lodge Seminar Room from 4.00 to 5.30pm**. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits!

More information can be found at our website: www.hps.cam.ac.uk/latintherapy. To be added to the mailing list, or to suggest a text, please contact Seb Falk.

Greek Therapy

Greek Therapy meets **every Wednesday during term time in the Lodge Seminar Room from 5.30 to 7pm**.

We are an informal group for beginners and for experienced readers of Greek seeking to brush up their skills – all levels are welcome. Sessions usually involve a basic grammar session at the beginning followed by reading through a more advanced text (often, but not always, Plato); this term we will be reading selections from Aristotle’s *Meteorologica*. For more information or to be added to the mailing list, please email Liz Smith.

Easter Term 2013

Seminars

Departmental Seminars

Seminars are held on **Thursdays from 4.30 to 6.00pm in Seminar Room 2**, Department of History and Philosophy of Science, Free School Lane, Cambridge. There is tea beforehand from 4pm in Seminar Room 1.

Organised by Helen Curry.

- 25 April **John Forrester (HPS, Cambridge)**
Freud, Russell and Wittgenstein: ‘therapeutic positivism’, psychoanalysis and the origins of analytic philosophy in Cambridge
- 2 May **Gerald Kutcher (Binghamton University)**
Controversy, mistrust, even witchcraft: the failure of cancer therapy with neutrons
- 9 May **Hannah Newton (HPS, Cambridge)**
‘Nature concocts and expels’: recovery from illness in early modern England, 1580–1720
- 16 May **Stephen John (HPS, Cambridge)**
The problem of inductive risk and the ethics of communication
- 23 May ***Eighteenth Annual Hans Rausing Lecture***
Winstanley Lecture Theatre, Trinity College
Crosbie Smith (University of Kent)
Coal, steam and ships: economic historians versus historians of technology?

Seminar Programmes are sent out at the start of every term to the names on our mailing list. Please contact the Department if you would like to be added to or removed from the mailing list, or if you change your address.

Seminar information is also available at www.hps.cam.ac.uk/seminars

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

Abstracts

- 25 April **John Forrester (HPS, Cambridge)**
Freud, Russell and Wittgenstein: ‘therapeutic positivism’, psychoanalysis and the origins of analytic philosophy in Cambridge

The paper will discuss the very different responses of Bertrand Russell and Ludwig Wittgenstein to the work of Sigmund Freud in the period 1917–55, concentrating mainly on the 1920s, 1930s and 1940s. Russell’s response was very much typical of his contemporaries, both in his scepticism and his enthusiasm, and also reflected his

political and educational projects as much as his philosophical preoccupations. Wittgenstein, on the other hand, turned out to be a true Freudian, fiercely critical and under his spell. Wittgenstein's response – and the quasi-Freudian reading by early-20th century philosophers of Wittgenstein himself – give us a new insight into the origins of analytic philosophy in the 1920s, 1930s and 1940s.

2 May Gerald Kutcher (Binghamton University)

Controversy, mistrust, even witchcraft: the failure of cancer therapy with neutrons

Shortly following World War II, the Medical Research Council funded a cyclotron for the Hammersmith Hospital in London, which by the late 1960s was committed primarily to neutron therapy. The leader of the project, Mary Catterall, reported outstanding clinical outcomes, which greatly influenced worldwide support for neutron machines. Nevertheless, within a few years, William Duncan who headed a second MRC cyclotron in Edinburgh reported no improvement in tumour control and severe complications. The ensuing controversy between Duncan and Catterall spread into the broader public community when Catterall attempted to fund a new cyclotron in London with the support of the office of Prime Minister Thatcher. The controversy which was marked by highly personal attacks against Catterall so badly discredited neutron therapy that within a few years programs were closed down on both sides of the Atlantic. The neutron story is more than a tale of operatic proportions, for it reveals the crucial role trust plays in medical research and how in spite of formal clinical trials the reception of a new therapy can be damaged by the perceived character of an investigator.

9 May Hannah Newton (HPS, Cambridge)

'Nature concocts and expels': recovery from illness in early modern England, 1580–1720

The historiography of early modern medicine often makes depressing reading. It implies that people fell sick, took ineffective remedies, and died. My paper seeks to rebalance our picture of health at this time, by investigating recovery from illness. Drawing on sources such as diaries, doctors' casebooks, and medical texts, it asks how physicians and laypeople defined and explained recovery, and examines the care of the recovering patient. These questions have rarely been addressed, despite the widespread use of terms such as 'cure' and 'recover' by scholars. I show that in Galenic and Hippocratic traditions, recovery meant the complete 'away-taking of the Disease', and restoration of 'pristine health'. It was driven by 'Nature', under the direction of God, and with the assistance of medicine. Nature was depicted as a 'homely woman' who removed illness by cooking the bad humours and washing them from the body – processes called 'concoction' and 'expulsion'. But she was also a 'princely soldier', who fought and defeated the disease. I suggest that this double-gendering of Nature enabled patients and practitioners of both sexes to engage in gender construction during recovery. Whilst some work has been conducted on the roles of God and medicine, the vital force of Nature has been largely overlooked. The paper also sheds light on a number of wider issues, such as definitions of disease and health, and concepts of age and gender.

16 May Stephen John (HPS, Cambridge)

The problem of inductive risk and the ethics of communication

Philosophers of science long ago rejected the distinction between contexts of discovery and of justification. More recently, many have challenged the claim that the practice of science ought to be free of non-cognitive

ethical or political values. My aim in this talk is to defend the ‘value-free ideal’ for science against one attack – the argument from inductive risk – by appeal to a distinction between different contexts of scientific activity. Specifically, I argue that close attention to the norms which ought to govern the context of scientific communication can provide second-order value-considerations in favour of a first-order value-free science. Along the way, I point to some more general lessons about the proper role of values in science and the need to distinguish different forms of communication, particularly in health and environmental contexts.

Cabinet of Natural History

This research seminar is concerned with all aspects of the history of natural history and the field and environmental sciences.

Seminars are held on **Mondays at 1pm in Seminar Room 1**. You are welcome to bring your lunch with you.

Organised by James Hall.

- 29 April **Stephanie O’Rourke (Columbia University)**
Impressed upon the countenance: knowledge and visibility in Lavaterian physiognomy
- 6 May **Richard Serjeantson (Trinity College, Cambridge)**
The education of Francis Willughby: new philosophy and natural history in mid-17th-century Cambridge
- 13 May **Salim Al-Gailani (HPS, Cambridge)**
Antenatal affairs: discourses of pregnancy and the unborn c.1900
- 20 May **Simon Nightingale (Visiting Scholar, HPS, Cambridge)**
Seeing with words: tours, surveys and agricultural improvement in Britain, c.1770–c.1820
- Friday 24 May Cabinet trip
- Friday 14 June Cabinet garden party

CamPoS

CamPoS (Cambridge Philosophy of Science) is a network of academics and students working in the philosophy of science in various parts of Cambridge, including the Department of History and Philosophy of Science and the Faculty of Philosophy. For further details of the composition and activities of CamPoS, see www.camposgroup.org.

The Wednesday afternoon seminar series features current research by CamPoS members as well as visitors to Cambridge and scholars based in nearby institutions. If you are interested in presenting in the series, please contact Vashka dos Remedios. If you have any queries or suggestions for other activities that CamPoS could undertake, please contact Huw Price, Jeremy Butterfield or Hasok Chang.

Seminars are held on **Wednesdays, 1.00–2.30pm in Seminar Room 2**.

- 1 May **William Harper (University of Western Ontario)**
Isaac Newton’s scientific method

- 8 May **Paulina Sliwa (Philosophy, Cambridge)**
Knowing and understanding
- 15 May **Donald Gillies (UCL)**
Two views on the relation between causality and probability
- 22 May **Ian Kidd (Durham University)**
Epistemic humility

Things: Early Modern Material Cultures

The seminar meets **alternate Tuesdays, 12.30–2.30pm in the Seminar Room, Alison Richard Building, West Road**. A light lunch will be provided. Organised by Katy Barrett, Sophie Waring and others.

Further information at www.crash.cam.ac.uk/page/1036/things-material-cultures-.htm

- 30 April **Sean Roberts (University of Southern California)** and **Elizabeth Upper (UL Munby Fellow)**
Printed things
- 14 May **Elaine Leong (Max Planck Institute, Berlin)** and **Helen Smith (University of York)**
Paper, making, things
- 28 May **Melanie Vandenbrouck (National Maritime Museum)**, **Felicity Powell (Artist)**, and **Ben Carpenter (University of Wolverhampton)**
Handling things
- 11 June **Matthew Hunter (McGill University)** and **Mark Hallett (Paul Mellon Centre)** Painted things

Field Notes: Histories of Archaeology and Anthropology

The seminar meets **alternate Thursdays, 1.30–3.30pm in the Seminar Room, Alison Richard Building, West Road**. Organised by William Carruthers and others.

Further information at www.crash.cam.ac.uk/page/1113/field-notes.htm

- 25 April **Mirjam Brusius (Max Planck Institute for the History of Science)**
Discussant: **Christina Riggs (University of East Anglia)**
Objects: from the excavation site to storage: archaeological objects in transit
- 9 May **Chris Manias (University of Manchester)**
Discussant: **Peter Mandler (History, Cambridge)**
Cultural evolution: interpreting the art of the old stone age and the origins of human nature, 1870–1940
- 23 May **Charlotte Roberts (English, Cambridge)**
Discussant: **Melissa Calaresu (History, Cambridge)**
Excavation: living with the ancient Romans: past and present in 18th-century encounters with Herculaneum and Pompeii

6 June **Sadiah Qureshi (University of Birmingham)**
Discussant: **Sujit Sivasundaram (History, Cambridge)**
Empire: displayed peoples, empire and anthropology in the Metropole

Twentieth Century Think Tank

The Twentieth Century Think Tank (TCTT) offers broad coverage of 20th- and 21st-century topics in the history, philosophy and sociology of science, technology and medicine. The regular programme of papers and discussions takes place on Thursdays over lunch.

Meetings are held on **Thursdays at 1pm in Seminar Room 1**. All welcome!

Organised by Helen Curry.

25 April **Etienne Benson (Max Planck Institute for the History of Science, Berlin)**
Digital maps and minimal animals in movement ecology
2 May **Mandisa Mbali (University of Stellenbosch)**
Science, sexuality and transnational networks in South African AIDS activism, 1994– 2001

Exploring Traditions:

Sources for a Global History of Science

These two lectures will take place on **Thursdays 9 and 16 May at 1pm in Seminar Room 1**. Organised by Simon Schaffer and Sujit Sivasundaram.

9 May **Irfan Habib (National University of Educational Planning and Administration, New Delhi)**
Early Islamic eclecticism and the pursuit of science
16 May **Keith Breckenridge (Wits Institute for Social and Economic Research, University of the Witwatersrand)**
Galton's imperial science: the African origins and objects of eugenics

Graduate workshops

HPS History Workshop

Need help writing a tricky part of your argument, converting a PhD chapter into an article, or simply getting fresh ideas and references? The History Workshop is an informal setting to discuss your written works-in-progress on any area of the history of science, medicine and technology, and get feedback from your early-career colleagues. A draft chapter, article, or conference paper will be circulated by email before each meeting.

We'll then discuss it together over tea and biscuits at **5pm on alternate Wednesdays in Seminar Room 1**.

Contact Michael Bycroft or Francis Neary if you are interested in sharing your work in this forum.

- 8 May **Simon Nightingale (Visiting Scholar, HPS, Cambridge)**
Liebig's vampire: agricultural chemistry and the embodied earth in mid-19th century Britain
- 22 May **Oliver Marsh (HPS, Cambridge)**
Mythologizing popular scientists: the cult of Feynman and the image of Sagan
- 5 June **Shane McCorristine (Geography, Cambridge)**
Have you heard the northern lights? Science and re-enchantment in 19th-century Arctic exploration
- 19 June **Michelle Wallis (HPS, Cambridge)**
Laughing at the doctors: satire and public practice, 1660–1720

HPS Philosophy Workshop

Would you like to get feedback on your work-in-progress in a friendly and supportive atmosphere? Texts will be circulated one week in advance and discussed over tea and biscuits in **Seminar Room 1 on alternate Wednesdays, 5–6pm**. Share a draft of your MPhil essay, PhD chapter, potential article, or any research-in-progress in the philosophy of science, broadly construed.

Organised by Toby Bryant.

Graduate Training

Training workshops for the Department's graduate students and postdoctoral researchers are held throughout the academic year. Most, but not all, are on **Fridays at 1pm**. The full programme is at www.hps.cam.ac.uk/students/training.

Reading and discussion groups

Nature and Culture Reading Group

This group is supported by Tim Lewens's SCINAT ERC Grant. All are welcome, including those sceptical of the cultural evolutionary project. In addition to philosophers and historians of science we also hope to attract researchers from the biological sciences, psychology and all branches of archaeology and anthropology.

Meetings will take place on **Wednesdays at 11am in Seminar Room 1**. For further information contact Beth Hannon or Tim Lewens.

- 24 April Hull, D. (1986) 'On Human Nature', *PSA: Proceedings of the Biennial Meeting of the Philosophy of Science Association*, pp. 3–13
Also in Stephen M. Downes and Edouard Machery (2013) *Arguing About Human Nature: Contemporary Debates*, Oxford: Routledge

- 1 May Geertz, C. (1973) 'The Impact of the Concept of Culture on the Concept of Man', in his *The Interpretation of Cultures: Selected Essays*, New York: Basic Books
- 8 May Machery, E. (2008) 'A Plea for Human Nature', *Philosophical Psychology*, 21, pp. 321–329
Also in Stephen M. Downes and Edouard Machery (2013) *Arguing About Human Nature: Contemporary Debates*, Oxford: Routledge
- 15 May Ramsey, G. (2013) 'Human Nature in a Post-Essentialist World', in Stephen M. Downes and Edouard Machery (eds) *Arguing About Human Nature: Contemporary Debates*
- 22 May Henrich, J., Heine, S.J. and Norenzayan, A. (2010) 'The Weirdest People in the World', *Behavioral and Brain Sciences*, 33, pp. 61–83
- 29 May Responses to 'The Weirdest People in the World' (2010), *Behavioral and Brain Sciences*, 33, pp. 84–135
- 5 June Bloch, M. (2012) *Anthropology and the Cognitive Challenge*, Cambridge: Cambridge University Press, Chapter 4
- 12 June Strathern, M. (1980) 'No Nature, No Culture: The Hagen Case', in C.P. MacCormack, M. Strathern (eds) *Nature, Culture and Gender*, Cambridge: Cambridge University Press, pp. 174–222

Generation to Reproduction Reading Group

This group discusses pre-circulated papers, classics as well as our own work, in the area of our Wellcome Trust strategic award in the history of medicine (www.reproduction.group.cam.ac.uk). We also hold work-in-progress sessions.

This term's meeting will be at 5.00–7.00pm (tea from 4.50) on **Tuesdays 14 and 21 May in Seminar Room 1**.

CamPhor (Phenomenology) Reading Group

This new reading group focuses on the presence and use of Phenomenology and Phenomenological tools within contemporary philosophy, with a particular emphasis on Phenomenology's relevance to debates within the philosophy of science.

In Easter Term we will be reading selections from Joseph Schear's edited volume 'Mind, Reason, and Being-in-the-world: The McDowell-Dreyfus Debate'. The McDowell-Dreyfus debate is a critical back-and-forth over the appropriation of Kant's transcendental philosophy, in particular – as picked up by McDowell in 'Mind and World' – over the nature of our conceptual capacities and their penetration into the realm of sensation. Dreyfus' 2005 APA presidential address is generally seen as sparking off the debate, which continued on into the pages of *Inquiry* and indeed into Schear's volume.

The term's readings are structured so as to introduce some of the major themes of the McDowell-Dreyfus debate before approaching the two eponymous essays. Afterwards, we move on to chapters that draw more explicitly on the debate to craft unique approaches to the underlying issues.

Photocopies of the relevant chapters can be made available by request.

Meetings are **every Friday, 12noon–1pm in Seminar Room 1**. You are welcome to bring your lunch with you.
Organised by Andrew Buskell.

All readings are drawn from Joseph Schear (ed.) ‘Mind, Reason, and Being-in-the-world: The McDowell-Dreyfus Debate’.

- 26 April Pippin, Chapter 4: What is ‘conceptual activity?’
- 3 May Crane, Chapter 10: The Given
Professor Tim Crane will join us for the discussion
- 10 May Zahavi, Chapter 15: Mindedness, mindlessness, and first-person authority
- 17 May Dreyfus, Chapter 1: The myth of the pervasiveness of the mental
- 24 May McDowell, Chapter 2: The myth of the mind as detached
- 31 May Siewert, Chapter 9: Intellectualism, experience, and motor understanding
- 7 June Rouse, Chapter 11: What is conceptually articulated understanding
- 14 June Schear, Chapter 13: Are we essentially rational animals?
Dr Joseph Schear will join us for the discussion

History and Theory Reading Group

Meetings take place on **Fridays, 2.30 to 4.00pm in the Lodge Seminar Room**. Hard copies of the readings will be placed in a box in the Whipple Library, and soft copies sent to the hps-discussion list in advance of each meeting. Links to some readings are available at www.hps.cam.ac.uk/seminars. Organised by Megan Barford, Sean Dyde, Eóin Phillips and Minwoo Seo.

- 3 May Roger Cooter and Claudia Stein, ‘The New Poverty of Theory: Patrick Joyce and the Politics of “The Material Turn”’ (pre-publication)
Bruno Latour, ‘An Attempt at a “Compositionist Manifesto”’, *New Literary History* 41 (2010), pp. 471–490
- 17 May Friedrich Nietzsche, ‘On the Use and Abuse of History for Life’ (1874)
- 31 May Walter Benjamin, ‘On the Concept of History’ (1940):
Laurie Anderson, ‘Dream Before’
Paul Klee, ‘Angelus Novus’

Kant Reading Group

In Easter Term, we will have a Joint Reading Group together with the Kant Reading Groups in Edinburgh and St Andrews. We will discuss a selection of secondary readings on the topic ‘Kant and the Lawfulness of

Nature'. The Joint Reading Group is linked to the International Network 'Kant and the Laws of Nature: Lessons from the Physical and the Life Sciences of the 18th Century', which is funded by the Leverhulme Trust and whose Principal Investigator is Dr Michela Massimi (University of Edinburgh). More information on this network as well as the blog that will go along with the reading group discussions can be found online: <http://kantandlaws.com/>. The exact reading list will be finalized by the first week of term.

The meetings in Cambridge are held in the **Lodge Seminar Room, 3.30–5.00pm on Tuesdays** from 30 April to 4 June. They begin with a short presentation and are followed by general discussion. All are most welcome. If you have any questions, please feel free to contact Katharina Kraus.

Philosophy and History of Physics Reading Group

We meet on **Tuesdays, 2.00–3.00pm in Seminar Room 1**. Organised by Jeremy Butterfield, Hasok Chang and Nazim Bouatta.

This term we will be reading selected chapters from the book *QED and the Men who Made It* by Silvan Scweber (Princeton University Press 1994), which is on reserve in the Whipple Library. The first two sessions will be:

30 April **Matthew Donald:** Introductory comments on quantum field theory and its history (no reading)

7 May **Nazim Bouatta:** Chapter 7: Schwinger and the Formalization of Quantum Field Theory

The readings for subsequent sessions (14 and 21 May) will be decided later.

Science and Literature Reading Group

Geology

We meet fortnightly on **Mondays from 7.30 to 9pm in the Godwin Room at Clare College (Old Court)**. Some readings are available online: follow the links at www.hps.cam.ac.uk/seminars. Copies of the harder-to-obtain items will be placed in our box file in the Whipple Library.

Organised by Liz Smith (Darwin Correspondence Project), Esther Momcilovic (HPS) and Daniel Friesner (Science Museum). All welcome!

29 April Bob King, *Geology*, Marlboro Review, Issue 16, 2005

Brian Rosen, *Drifting Impressions*, c.1973

Barbara Cumbers, *Field Notebook*

W. Hart Smith, *The Geologist*, c.1960

13 May Margaret Atwood, *Stone Mattress*, New Yorker, 19 December

Kristen Iskandrian, *The Geology*

27 May Jules Verne, *Journey to the Centre of the Earth*

10 June Special event: Please check our website nearer the time for details

AD HOC

For the Easter Term, the Cambridge-side AD HOC programme will offer a four-session graduate seminar on the philosophy of chemistry led by Hasok Chang. This is intended to provide an introduction to some key issues in the field, especially for those whose primary interests are in related fields such as the history of chemistry, the philosophy of physics or biology, and chemistry itself. Philosophical issues will always be formulated and illustrated through episodes from the history of chemistry, especially from the 18th century onward.

The following three questions will provide running themes for all sessions. (1) How do general epistemological and metaphysical issues in the philosophy of science apply to chemistry? (2) How does chemistry relate to other sciences? (3) How can the history and the philosophy of chemistry interact productively?

Meetings will be held on **Mondays, 5.00–6.30pm in Seminar Room 1**. Part III, MPhil and PhD students in the Department are especially welcome to attend this seminar, but it is open to everyone. Readings will be announced and made available in time for each meeting.

- 29 April Reductionism and the place of chemistry
- 6 May Chemical explanations
- 20 May Realism in chemistry: theories, models, and experiments
- 3 June Scientific method in chemical practice

Language groups

Latin Therapy

Latin Therapy will meet on **Fridays in the Lodge Seminar Room from 4.00 to 5.30pm**. All levels are welcome and beginners are strongly encouraged to come along. Each week we will cover some introductory grammar, followed by a text suggested by members. The pain of the ablative absolute will be salved with copious tea and biscuits!

More information can be found at our website: www.hps.cam.ac.uk/latintherapy. To be added to the mailing list, or to suggest a text, please contact Seb Falk.

Greek Therapy

Greek Therapy meets **every Wednesday during term time in the Lodge Seminar Room from 5.30 to 7pm**.

We are an informal group for beginners and for experienced readers of Greek seeking to brush up their skills – all levels are welcome. Sessions usually involve a basic grammar session at the beginning followed by reading through a more advanced text (often, but not always, Plato); this term we will be reading selections from Aristophanes' *The Clouds*. For more information or to be added to the mailing list, please email Liz Smith.

