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The Department

Introduction

This 2013-14 annual report for the Department of History and Philosophy of Science (HPS) provides just a flavour of the many events that have happened this year. One of the main projects for the Department was the REF (Research Excellence Framework) submission, the results of which will be announced in December. The Department, as in previous exercises, submitted its staff and documentation to the Philosophy Unit of Assessment (32B). The results break down into three categories: Outputs; Impact; & Research Environment. The 2014-15 annual report will announce the results of the REF.

There were a number of achievements this year; most notably Simon Schaffer was awarded the Sarton Medal, the highest honour of the History of Science Society. This medal is given annually for lifetime scholarly achievement in the field of history of science. Besides outlining the remarkable range of his publications and his contributions to public awareness of the history of science, the award citation notes that Simon is “a dedicated and inspirational teacher, a cherished collaborator, a supportive advisor to droves of (undergraduate and graduate) students and colleagues alike, and a loyal friend.”



Other members of the Department were also to be congratulated this year: Anna Alexandrova won an Early Career Fellowship at CRASSH (Centre for Research in the Arts, Social Sciences and Humanities) for Easter term; Lauren Kassell was promoted to Reader in History of Science and Medicine and Tim Lewens was promoted to Professor. This year was clearly Tim's year, as he was also appointed to a half-time post as Deputy Director of CRASSH for three years and he gave his Inaugural Lecture on Nature, Culture and

Philosophy, which took place in June. It was followed by the Department's very popular Garden Party at Peterhouse.

Celebrations of a different kind happened in December when the Department held 'Cunninghamfest', a 1-day event to honour the work of Andrew Cunningham. The programme involved talks from Ole Grell, Sachiko Kusukawa and Nick Jardine. Andrew was one of our Wellcome Trust Research Fellows in History of Medicine; he retired in December 2013 but will still be doing some lectures in the future.



Cunninghamfest

Our PhD students have had a successful year as well. Leah Astbury was awarded first prize for her paper on 'Caring for Newborns in Early Modern England' in the Social History Society postgraduate conference paper competition. It will be published online and invited for submission as an article for the Society's journal, *Cultural and Social History*. William Carruthers was awarded a one-year Max Weber Fellowship at the Department of History and Civilization at the European University Institute in Florence, starting 1 September. He'll be extending his work on the development of the archaeology in Egypt during the Cold War, particularly in relation to the UNESCO-backed archaeological salvage campaigns of the 1960s in Egyptian and Sudanese Nubia. Jenny Bangham won an international prize for her thesis, which will be awarded in October 2014. The book exhibition on *Crania Americana* curated by James Poskett can be visited in the Whipple Library. Further student awards can be read in the Prizes, Projects and Honours section of the report on page 11.

More can be read on James Poskett's exhibition in the Whipple Library's report on page 31. This informative account covers the activities of the Library for the year, everything from affiliation with the University Library to involvement in the Cambridge Open Days.

The Whipple Museum has had another busy year with gallery developments, exhibitions and several popular outreach events, which have received some really positive feedback. The Museum's report can be found on page 38.

We were fortunate enough to welcome two new University Teaching Officers into the Department this year. Richard Staley joined at the start of the academic year as University Lecturer in History and Philosophy of Science (Rausing Lectureship). Richard has a PhD from Cambridge and was a Research Fellow on the

Department's project on 'Project on Innovation in Germany and Britain: Science, Technology and Society 1870-1920' in the early 1990s, so it was lovely to welcome him back.

Marta Halina arrived in September 2014 ready to start in the next academic year. Marta came from the Philosophy-Neuroscience-Psychology Program at Washington University in St. Louis where she was a postdoctoral fellow. She accepted the appointment in HPS as University Lecturer in Philosophy of Psychology and Cognitive Science.

We also welcomed several other new (and returning) people: Boyd Brogan, Lorena Bushell, Clare Griffin, Marion Godman, Daniel Mitchell, Josh Nall, Jesse Olszynko-Gryn, Emma Perkins, Eran Tal and Gabriella Zuccolin. We said farewell to: Laura Dawes, Rohan Deb Roy, Elselijn Kingma, Hannah Newton, Chitra Ramalingam, Jenny Rampling, Andreas Sommer and Silvie Zamazalová. We hope that those who have left found their experience at the Department to be enriching and those that are arriving will take full advantage of the time they spend with us.

This report allows us to reflect on the contributions of the members of the Department, recognising the successes and achievements of everyone. This year the Department has enjoyed a rich and diverse culture, which ensures that we remain at the forefront of what we do and enables us to maintain our international reputation for exceptional teaching and research for many years to come.

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
Simon Schaffer
Jim Secord
Liba Taub

Research Fellows and

Teaching Associates

Scott Anthony
Salim Al-Gailani
Christina Benninghaus
Adrian Boutel
Chris Clarke
Andrew Cunningham
Rohan Deb Roy
Marion Godman
Clare Griffin
Elizabeth Hannon
Mike Hawkins
Ruth Horry
Natalie Kaoukji
Tiago Mata
Richard McKay
Daniel Mitchell
Hannah Newton
Jesse Olszynko-Gryn
Emma Perkins
Valentina Pugliano
Rob Ralley
Jennifer Rampling

Chitra Ramalingam
Andrea Salter
Andreas Sommer
Tomás Undurraga
John Young
Silvie Zamazalová

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

Staff and Affiliates

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



Beth Hannon and Vashka dos Remedios

Visitors and Students

Visiting Scholars and Students

José Ramón Marcaida
Miquel Carandell Baruzzi
Christina Brandt
Ken Corbett
Matteo Corso
Laura Di Paolo
Eduardo Escobar
Stuart Firestein
Clara Florensa
Federico Morganti
Crosbie Smith
David Teplow
Christina Toren

PhD students

Leah Astbury
Shahar Avin
Megan Barford
Katy Barrett
Riana Betzler
Ramona Braun
Sophie Brockmann
Toby Bryant
Michael Bycroft
Andrew Buskell
William Carruthers
Stephen Courtney
Caitlin Doherty
Matthew Drage
Sebastian Falk
Carl Fisher
James Hall
Stephen Irish
Magali Krasny
Natalie Lawrence
Esther Momcilovic
Dmitriy Myelnikov
Eóin Phillips
James Poskett
Emma Pyle
Timothy Rees-Jones
Vashka dos Remedios

Alix Rogers
Christophe Schinckus
Kathryn Schoefert
Arianne Shahvisi
Minwoo Seo
Reuben Shiels
Tillmann Taape
Christopher Wagner
Michelle Wallis
Sophie Waring
Katharine Zimmerman
Lena Zuchowski

MPhil students

Julie Barzilay
Marion Boulicault
Alessa Colaiani
Brian Earp
Timothy Hyland
Michael McGovern
Raj Patel
Matthew Penfold
Daniel Simpson
Cynthia Tsay
Jack Wright

Part III students

Edward Banks
Jenny Bulstrode
Filip Drnovsek Zorko
Abby Gibb
Juliet Griffin
Matthew Hay
James Hynard
Jessica Morley
Emma Naughton
Anna Robinson
Athiban Selvackadunco
Alice Udale-Smith
Jacob Waller
Owen Waugh

Part II students

Karolina Adamkiewicz
Markus Anderljung

Oliver Borgstein
Eoin Carter
Naomi Clothier
Helen Cumming
Daphne Dijkman
Maryam Farooq
Oluwatoba Fatimilehin
Felicity Gallop
Suzannah Haller
Jack Hooper
Shagayegh Javadzadeh
Petula Jefferies
Ceit Jesmont
Calum Kennedy
Patrick Kirkham
George Lacey
Gabriella Lewis
Poppy Mallinson
Edward Martin
Anna Martin Kelly
Rebecca Masters
Ezra Neil
Benedicte Newman
Keval Patel
William Peck
Natasha Quraishi
Ella Raff
Jack Ramsden
Manavi Sachdeva
James Sandow
Jonas Schwenck
Annabel Shepherd-Barron
Amelia Southgate
Lara Spencer
Timothy Squirrel
Nunu Tao
Rachel Tulley
Helen West
Barney Woodhouse
Barnaby Wainwright



*Magali Krasny
and Andrea Salter*

Comings and Goings

Boyd Brogan joined in September 2014 as a Research Associate working on Lauren Kassell's Casebooks Project

Lorena Bushell started in January 2014 as the Whipple Museum's new Learning Co-ordinator

Andrew Cunningham retired in December 2013

Laura Dawes left in November 2013 moving on to be a visiting scholar at CHSTM in Manchester

Rohan Deb-Roy also left in November 2013 to join the Max Planck Institute for the History of Science as a Postdoctoral Fellow

Clare Griffin joined as a Wellcome Trust Research Fellow in September 2013

Marta Halina accepted the appointment of University Lecturer in Philosophy of Psychology and Cognitive Science taking up the post in September 2014

Marion Godman joined the Department as a Teaching Associate in Philosophy of Science, starting in Michaelmas term 2013

Elselijn Kingma left in August 2013 and went on to work for the University of Southampton

Daniel Mitchell arrived in October 2013 as a Research Fellow

Josh Nall was appointed Assistant Curator in October 2013

Hannah Newton left in September 2014 and went on to work for the University of Reading

Jesse Olszynko-Gryn took on the role of Research Associate in History of Reproduction from October 2013

Emma Perkins became the new Research Associate working on the Diagrams, Figures and the Transformation of Astronomy, 1450-1650 project in October 2013. Her position ended in September 2014

Chitra Ramalingam left in August 2014 to become a lecturer in History of Science and Medicine at Yale and a Research Associate at the Yale Center for British Art

Jenny Rampling was appointed to the position of Assistant Professor in History at Princeton University, leaving the Department to take up the post in January 2014

Andreas Sommer left in May 2014 and was elected into a Junior Research Fellowship at Churchill College, Cambridge in October 2014

Richard Staley arrived in September 2013 as a University Lecturer in the History and Philosophy of Science

Eran Tal joined as a Marie Curie Fellow in July 2014

Silvie Zamazalová joined in October 2013 for six months as a Research Associate working on Eleanor Robson's project

Gabriella Zuccolin came to the Department in February 2014 as a Wellcome Research Fellow



*Josh Nall with
one of our
MPhil students*

Roles and Responsibilities

Departmental Positions

Head of Department: Professor Jim Secord

Administrative Officer: Ms Tamara Hug

Director of Graduate Studies: Dr Nick Hopwood

MPhil Manager: Dr Lauren Kassell

Part III Manager: Dr Stephen John

Part II Manager: Professor Simon Schaffer

Part IB Manager: Dr Anna Alexandrova (M), Dr Helen Curry (L&E)

Staff Development Officer: Professor Jim Secord

Dignity Officer: Professor Hasok Chang and Professor Liba Taub

College Liaison Officer: Dr Anna Alexandrova

Chair Monitoring Committee: Professor Simon Schaffer

Graduate Training Officer: Dr Anna Alexandrova (M), Professor Hasok Chang (L&E)

HPS Board and Degree Committee

Chair of the HPS Board: Professor Simon Schaffer

Chair of the HPS Degree Committee: Dr Nick Hopwood

Professors and Readers: Professors John Forrester, Hasok Chang, Lauren Kassell, Tim Lewens, Jim Secord, Liba Taub

Curator and Director of the Whipple Museum: Professor Liba Taub

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

Librarian: Ms Anna Jones

General Board Members: Professors Peter Mandler and Huw Price

Co-options: Drs Anna Alexandrova, Helen Curry

Elected Members: Mr Peter Jones, Dr Marina Frasca Spada, Dr Sachiko Kusukawa and Dr Christopher Clarke

Junior Members: Undergraduates: Ella Raff (Emmanuel), Edward Bankes (Pembroke) Graduate: Julie Barzilay (Darwin)

Philosophy Faculty Board

HPS Representative: Dr Stephen John

Examiners

NST Part IB History and Philosophy of Science

Senior Examiner: Professor Hasok Chang

Examiners: Professor Simon Schaffer, Drs Nick Hopwood, Helen Curry, Adrian Boutel and Marina Frasca Spada

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

Senior Examiner: Dr Lauren Kassell

External Examiner: Dr Staffan Müller Wille (Exeter)

Examiners: Drs Stephen John, Richard Staley, Salim Al Gailani, Daniel Mitchell, Chris Clarke, Marion Godman and Professor Nicholas Jardine

MPhil/Part III in History, Philosophy and Sociology of Science, Technology and Medicine

Senior Examiners: Dr Helen Curry

External Examiners: Dr Emma Tobin (UCL)



Members of the Department enjoying the Garden Party at Peterhouse

Prizes, Projects and Honours

Student Prizes

Alessandra Colaianni and **Michael McGovern** were awarded the 11th Annual Rausing Prize for the best MPhil dissertations of the year.

Michael McGovern was awarded the 17th Annual Jennifer Redhead Prize for the best overall performance on the Essays component of the MPhil in History, Philosophy and Sociology of Science, Technology and Medicine

Shedeh Javadzadeh and **Lara Spencer** were awarded the Jacob Bronowski Prize for the best overall performance in the HPS Part II course

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

Filip Drnovsek Zorko was the winner of the Peter Lipton Prize for the best overall performance in the History and Philosophy of Science Part III course

New Research Projects

Wellcome Trust

The Wellcome Trust has made a three-year Strategic Award of just over a million pounds for completion of the Casebooks Project.

Seminars and Special Lectures

Wellcome Lecture

Malcolm Nicolson (University of Glasgow) delivered the ninth Cambridge Wellcome Lecture in the History of Medicine on 16 January 2015 on ‘The clinic of the birth: obstetric ultrasound, medical innovation and the clinicoanatomical Project’

Rausing Lecture

Professor Gabrielle Hecht from the University of Michigan delivered the nineteenth Annual Hans Rausing Lecture in the McCrum Lecture Theatre, Bene’t Street on the subject “Waste, Value and Radioactive Excess in Africa”

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

Departmental Seminars in the Department of History and Philosophy of Science organised by Helen Curry

Research Topics and Resources Seminars organised by Anna Alexandrova and Hasok Chang

Early Medicine Seminars organised by Lauren Kassell

History of Modern Medicine and Biology Seminars organised by Nick Hopwood and Helen Curry

Generation to Reproduction Seminars organised by Nick Hopwood and Lauren Kassell

Cabinet of Natural History organised by Natalie Lawrence

Twentieth Century Think Tank organised by Richard Staley

CamPoS organised by Huw Price, Jeremy Butterfield and Hasok Chang

Global Science (at CRASSH) organised by James Poskett, James Hall and others

Things: Comparing Material Cultures, 1500–1900 (at CRASSH) organised by Michelle Wallis, Lesley Steinitz and Sophie Waring

Field Notes: Histories of Archaeology and Anthropology (at CRASSH) organised by William Carruthers and others

HPS History Workshop organised by Andreas Sommer and Seb Falk

HPS Philosophy Workshop organised by Toby Bryant

Science in Print: Understanding Book Production from the Sixteenth to the Nineteenth Centuries organised by Roger Gaskell, Anna Jones and Jim Secord

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

Philosophy of Chemistry organised by Hasok Chang

Clouds and Climate Change organised by Richard Staley

Nature and Culture Reading Group organised by Beth Hannon and Christopher Clarke

Coffee with Scientists organised by Hasok Chang

History and Theory Reading Group organised by Megan Barford, Caitlin Doherty, Minwoo Seo and Eóin Phillips

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

Twentieth Century Reading Group organised by Dmitriy Myelnikov and Kathryn Schoefert

Generation to Reproduction Reading Group organised by Nick Hopwood

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

Science and Literature Reading Group (at Clare College) organised by Liz Smith, Esther Momcilovic, Daniel Friesner, Julie Barzilay and Melanie Keene

Twentieth Century Think Tank organised by Noemi Tousignant, Branwyn Polekett and John Manton

AD HOC organised by Hasok Chang, Jenny Rampling and Anke Timmermann

Philosophy of Psychology Reading Group organised by Riana Betzler

CamPhor – Cambridge Phenomenology Reading Group organised by Andrew Buskell

Kant Reading Group organised by Thomas Land and Angela Breitenbach

Philosophy of Psychology Reading Group organised by Riana Betzler

Latin Therapy organised by Seb Falk

Greek Therapy organised by Liz Smith

Students

Student Statistics

Undergraduates	Part IB	54
	Part II	40
	Part II BBS: History and Ethics of Medicine	15
	Part III	13
Graduates	MPhil.....	11
	PhD.....	53

Examination Results

Part II	1	15 (37.5%)
	2i	23 (57.5%)
	2ii	2 (5%)
	3	0
	Fail	0
Part II BBS: History and Ethics of Medicine	1.....	2 (13%)
	2i.....	10 (67%)
	2ii.....	3 (20%)
	3.....	0
	Fail.....	0
Part IB	1	11 (20%)
	2i.....	22 (41%)
	2ii.....	19 (35%)
	3.....	1 (2%)
	Fail.....	1 (2%)

Graduate Degrees Awarded

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

Part II Essay and Dissertation Titles

Primary Source Essays

Chaucer's Treatise on the Astrolabe

- A discussion of the diagrams in Chaucer's Treatise on the Astrolabe
- Who was Chaucer's Treatise on the Astrolabe really written for?
- Why did so many manuscripts of the Treatise on the Astrolabe survive?
- A comparison of Chaucer's 'Treatise on the Astrolabe' and Pèlerin de Prusse's 'Pratique de astralabe'

Astrological Casebooks

- Mental illness in Simon Forman's casebooks
- Why was Simon Forman so popular?
- Evidence for the use of non-astrological signs in pregnancy cases from Simon Forman's astrological casebooks
- Magic, sigils and witchcraft in Simon Forman's casebooks
- Controversy and success: Simon Forman and the College of Physicians
- Witchcraft in Simon Forman's casebooks
- "Will I have any children?" - an exploration of the 'fertility' cases in Simon Forman's casebooks

The Board of Longitude: Materials and Documents

- John Harrison's continuing attempts to secure the reward for the discovery of the longitude
- Is Jeremy Thacker's 'Longitudes Examin'd' a genuine proposal, and why has it taken so long for its authenticity to be questioned?
- The Longitudes Examin'd: re-examin'd
- The success of a failed satire: Jeremy Thacker's The Longitudes Examin'd
- Sycophants and critics: attitudes to the Board of Longitude as presented in British newspapers, 1714-1800
- Longitude: espionage and discovery
- Maskelyne's objections to Harrison evaluated
- How did the London newspapers shape perceptions of the activities of the Board of Longitude in 1765?
- Did Maskelyne intentionally undermine Harrison's chronometer?
- The strategies of John Harrison

Mach's Contributions to the Analysis of Sensations

- "Cogito ergo sum"? Analysis of the understanding of self in Mach's Analysis of the Sensations and comparison of Mach's understanding of the self to other authors

Edwards, Bavister and Steptoe: IVF

- "Test-tube timebomb": 'The early stages of fertilisation in vitro of human oocytes matured in vitro' and the 1960s biological revolution
- Narratives of 'biological revolution' in the press response to 'Early stages of fertilization in vitro of human oocytes matured in vitro', 1969-1970
- The initial response of Christian churches in Britain to Edwards, Bavister and Steptoe's 1969

- The British Catholic response to the 1969 Nature paper 'Early stages of fertilization in vitro of human oocytes matured in vitro'
- How, and to what extent, did Edwards, Bavister and Steptoe convince scientists in Britain and America that they had successfully achieved human in vitro fertilisation in 1969?
- Feminist assessments of the significance of the Edwards et al 1969 paper
- A comparison of assessments of 'Early stages of fertilisation in vitro of human oocytes matured in vitro' by Robert Edwards and Patrick Steptoe and Gena Corea
- How did journalists and newspaper readers react to the news in 1969 of the team in Cambridge fertilising an egg in a test-tube?
- 'Early stages of fertilization in vitro of human oocytes matured in vitro' and the changing face of Nature in the 1960s

The Stanford School

- Is the disunity of science dangerous?
- Can virtue epistemology provide a demarcation criterion?
- Is Sandra Mitchell's 'Integrative Pluralism' compatible with John Dupré's conception of an ontologically pluralistic and disunified science?
- Responses from relativism to Cartwright
- Epistemological lessons from The Disorder of Things

Intergovernmental Panel on Climate Change

- Does Kahan et al's Cultural Cognition theory explain the politically partisan responses to the IPCC's factual claims?
- How does the perceived audience of the IPCC AR4 Synthesis Report affect its structure, and does it succeed in speaking to that audience?
- Complexity or clarity: the problems facing the IPCC in the communication of probabilities
- Strategies for manufacturing doubt: comparing the tactics for fostering ignorance in the responses to the US Surgeon General's 1967 report and the IPCC's Fourth Assessment Synthesis Report
- Can and should the Intergovernmental Panel on Climate Change (IPCC) be politically neutral?
- Rehabilitating the ad hominem: an exploration of argumentation in the context of debates on the IPCC and climate change
- The IPCC's Fourth Assessment Report: political player vs higher-level arbiter when compared with Al Gore's An Inconvenient Truth
- Does the use of models in the IPCC's fourth synthesis report conflict with its aim to be objective?
- Is the IPCC AR4 value laden? Inductive risk and the IPCC
- Is it irrational to refuse to believe the IPCC report on the basis of the mistake about Himalayan ice caps?
- To what extent is the UK's newspaper reporting of the Fourth Assessment Synthesis Report of the International Panel on Climate Change different from normal science reporting?
- Should it matter if an IPCC author were found not to hold a PhD? Should it matter that there are so many authors?
- How does the IPCC select authors to reflect scientific consensus?
- Environmentalists and the IPCC

Galileo's Dialogue Concerning the Two Chief World Systems

- Dialogue Concerning the Two Chief World Systems: was Galileo a scientist?
- The drama of dialogue
- The ornaments of scientific revolution: the role of rhetoric in Galileo's Dialogue
- Thought experiments in Galileo's Dialogue Concerning the Two Chief World Systems
- Underdetermination in Galileo's Dialogue
- Was Galileo inconsistent with the scientific method?
- What was it about Galileo's Dialogue Concerning the Two Chief World Systems that resulted in his trial and imprisonment?
- To what extent did Galileo engage in propaganda in his argument for diurnal rotation of the Earth?
- Audience, judge or ally? An exploration of Sagredo in Galileo's 'Dialogue Concerning the Two Chief World Systems'
- An unnecessarily inflammatory dialogue

Locke, Berkeley and Hume

- How convincing is Locke's primary-secondary quality distinction and the representational theory of perception that underpins it?
- Is it important for Berkeley to deny that some qualities of objects are perceived by more than one sense?
- Hume on the 'modern philosophy'

The Blue Marble

- Perceptions of Earth: The Blue and Black Marbles
- The Apollo 17 astronauts are the only three humans to have witnessed the full Earth with their own eyes. How did this fact affect the reception of the so-called Blue Marble photograph?
- A show of power: reading The Blue Marble as a map
- NASA Earth images: a comparison of The Blue Marble (1972) and The Day The Earth Smiled (2013)
- Sculpting the Blue Marble: a history of the creation of the Blue Marble image
- Re-examining the creation of the image AS17-148-22727, its diverse interpretations and its appeal in relation to NASA
- Interpreting the Blue Marble image through a close reading of the text 'On Photography' by Susan Sontag
- The Blue Marble and its role in developing late twentieth century environmental movements
- The disappearance of the Blue Marble as a historical artefact from popular consciousness
- Serendipity in science: Blue Marble and Pillars of Creation - their making and their impact
- Why are those who view Earth from space first-hand affected differently to those who view the Blue Marble photograph?
- In what ways and to what extent did the Blue Marble image challenge cartographic perspectives of the globe?
- To what extent is the UK's newspaper reporting of the Fourth Assessment Synthesis Report of the International Panel on Climate Change different from normal science reporting?
- The Blue Marble in environmental narratives: the importance of the Whole Earth Catalog covers in linking images of the Earth as seen from space to environmental themes
- The Blue Marble in environmental and political discourse

- Using the Blue Marble and other forms of space imagery to explore Christian and environmentalist concerns for the ecological state of the planet
- The illusion of a unifying Blue Marble; an ecofeminist perspective
- The Blue Marble and an isolated planet
- From the Blue Marble to Google Earth

Dissertations

- Priority of non-patient-centred values in surrogate decision-making: when, why and how?
- Natural history and anthropology on the Cambridge University exploring expedition to the Malay peninsula, 1899-1900
- What role do instruments play in narratives of survival? Worsley's sextant in the boat journey to South Georgia
- The social and political context of Japanese biological warfare and related research programmes from 1932 to 1945
- Bacteriology and photomicrography in the late 19th century
- Lucretius and the beasts: animals in *De Rerum Natura*
- The emergence of Francis Darwin
- Ida MacLean: women, Cambridge and science during the First World War
- The BBC documentary 'Something for Nothing' (1968) and the debate over the NHS
- Ethnography and politics in Joseph Beete Jukes' voyage aboard the HMS Fly (1842-46)
- When and why are ethnic inequalities in health morally problematic?
- The use of blood transfusions in World War II and analysis of the work of the Army Blood Transfusion Service in Britain
- JW Gregory: exploration and global geology in the late 19th and early 20th centuries
- Feminism and abortion law reform in 70s Britain
- Rigid bodies and reference frames in special relativity
- The atomic bomb and changing roles of science: seeing through Szilard's eyes
- A history of the legal use of compulsory sterilisation for eugenic purposes in Europe and North America
- Is the form of pluralism that Feyerabend proposes possible in practice?
- The prevention of malaria in colonial Sierra Leone
- How receptive was Charles Waterton to local knowledge during his travels in South America in the early 19th century?
- Should randomized controlled trials be used in studying development?
- The birth of Louise Brown on television
- Public resistance to polio vaccination in Northern Nigeria
- Framing fracking: science in the local newspaper of Boxtel, The Netherlands
- Emotional healing in modern medicine
- Robert Boyle as a bulwark against religious and political radicalism
- Hertha Ayrton and the interplay between science and gender
- Artifice and effects on stage in Elizabethan and Jacobean theatre
- What counts as science? Scientific exceptions to the International Convention for the Regulation of Whaling
- The British media coverage of the human papillomavirus vaccination programme, 2005-2009
- George Jacob Holyoake: science and *The Reasoner*, 1846-61

- "The difficulty of the market place": establishing electrotherapeutics as a reputable medical therapy in early Victorian England (1800-1860)
- Britain's role in the negotiations for Europe's participation in the American Post-Apollo Program

MPhil and Part III Essay and Dissertation Titles

MPhil Essay and Dissertation Titles

Julie Barzilay

Essays

What Mr Garrison saw: illuminating personal, pedagogical and political agendas in Wendell Phillips Garrison's "What Mr Darwin Saw" (supervised by Jim Secord)

From amateur meteorologist to founding father: evolving uses of Guy Callendar's seminal climate change paper over the past 75 years (supervised by Richard Staley)

Health and agency in the hills: Memsahibs' pragmatism, authority and medical expertise in the British Raj (supervised by Simon Schaffer)

Dissertation

The rhetoric, media and literary culture of late 19th-century anti-vaccination campaign periodicals and publications (supervised by Jim Secord)

Marion Boulicault

Essays

Anti-essentialism, pluralism and the case of chemical kinds (supervised by Hasok Chang)

Why surgeries require surgeons: a 'Menziesian' defence of the agency theory of causation (supervised by Huw Price)

The contingency of logical necessity (supervised by Simon Schaffer)

Dissertation

Objectivity and value-free science (supervised by Stephen John)

Alessa Colaianni

Essays

The 'hidden curriculum' in medical education: origins, evolution and historical implications (supervised by Helen Curry)

Defining normal puberty in the 20th century: pubertal stages in American and British anthropology and pediatrics, 1900-1980 (supervised by Nick Hopwood)

The ethics of the 'slow code': can deception be justified: (supervised by Stephen John)

Dissertation

"Ritualistic comforting hand" or "crass dissimulation"? The 'slow code' in historical and sociological perspective

Brian Earp

Essays

Replication, falsification and the crisis of confidence in social psychology (supervised by Anna Alexandrova)

The medicalization of love (supervised by Marion Godman)

Gender and genital cutting: toward a non-sexist ethical framework (supervised by Stephen John)

Dissertation

Gender and genital cutting – ethics, science, anthropology (supervised by Marion Godman)

Timothy Hyland

Essays

The Eugenics Tree: the creation, use and fate of an icon (supervised by Nick Hopwood)

Zoroastrianism and science: Samuel Laing's Problems of the Future (1889) (supervised by Jim Secord)

An escape from the war? Einstein, relativity and internationalism in the British press, 1919-1926 (supervised by Richard Staley)

Dissertation

Michael Angelo Garvey's 'Silent Revolution': technology, education and the future from the post-1848 'moment' (supervised by Jim Secord)

Michael McGovern

Essays

Amphibian a priori: the neurophysiology of vision at the limits of cybernetics (supervised by Nick Hopwood)

Stacks, pacs and system hacks: handheld calculators as an alternative history of personal computing (supervised by Richard Staley and Josh Nall)

Fake plastic trees? Classifying, calibrating and commoditizing gutta-percha in the Victorian British Empire (supervised by Simon Schaffer)

Dissertation

"The London/Baltimore link has been severed": the economies of human gene mapping and mainframe computing at the Moore Clinic, 1955-1973 (supervised by Nick Hopwood)

Raj Patel

Essays

Ontic structural realism and economics: the unwanted gift (supervised by Anna Alexandrova)

Epistemic relativism in Kuhn and the Edinburgh School (supervised by Hasok Chang)

Why privacy is not enough: Big Data and predictive analytics (supervised by Richard Staley)

Dissertation

Philosophical issues surrounding the use of neuroscience in prediction in the law (neuroprediction) (supervised by Marion Godman)

Matt Penfold

Essays

Above the evidence hierarchy (supervised by Anna Alexandrova)

The epistemic obligations of physicians (supervised by Stephen John)

Epistemic reliance and shared decision-making (supervised by Stephen John)

Dissertation

How useful can a general theory of evidence be? (Supervised by Hasok Chang)

Daniel Simpson

Essays

‘Contagious’ delusions? W.B. Carpenter and the politics of psycho-physiology in 19th-century Britain (supervised by Andreas Sommer)

Who was afraid of the Millennium Bug? Political, scientific and social responses to Y2k in Cambridge, 1998-1999 (supervised by Richard Staley)

Marketing L’Oreal and Lush: invocations of nature and the negotiation of efficacy in contemporary cosmetics advertising (supervised by Tiago Mata)

Dissertation

Transition of plastic from mainstream technology to conceptual, ideological and environmental crisis for capitalist production in 20th-century Britain (supervised by Richard Staley)

Cynthia Tsay

Essays

‘The great hippopotamus test’: Charles Kingsley and the reception of the Owen-Huxley debate (supervised by Jim Secord)

Disciplining ‘frosty life’: from ‘Life and Death at Low Temperatures’ to ‘Cryobiology’ (supervised by Nick Hopwood)

A decade of redefining public health and the environment: a history of the regulation of greenhouse gases in the United States under the Clean Air Acts, 1999-2009 (supervised by Helen Curry)

Dissertation

Women, science and propaganda since the 19th century (supervised by Patricia Fara)

Jack Wright

Essays

Double standards? Why do misrepresentations in economics face stricter criticism than those in other sciences? (Supervised by Anna Alexandrova)

A plurality of pluralisms: how do Kitcher and Longino's versions of scientific pluralism succeed in democratising science? (Supervised by Hasok Chang)

Being a Wiki-worker: the procedure of Wikipedia, its influences and its epistemological effects (supervised by Stephen John)

Dissertation

Objective government: how has the Obama administration restored science to policy making? (Supervised by Tiago Mata)

Part III Essay and Dissertation Titles

Edd Banks

Essays

Sociologically informed accounts of trust in science: Heidi Grasswick (2010), Elizabeth Anderson (2011) and Karen Frost-Arnold (2013) (supervised by Stephen John)

Translating Scotland: the military survey of the Highlands, 1747-1755 (supervised by Simon Schaffer)

Can scientific inference be free of non-epistemic value judgments?

Which idealized models, if any, should we be realist about, and why?

Dissertation

Identification, looping and the emergence of a human kind: the case of safe-sex in Toronto, 1981-1988 (supervised by Marion Godman)

Jenny Bulstrode

Essays

Science outdoors: understanding methods in the 20th- and 21st- century field sciences (supervised by Helen Curry)

Tracing culture behind John Evans' theory of ancient stone implements (supervised by Simon Schaffer)

When did observation become an 'epistemic genre', and why?

'If one wants to know how scientific research actually works, one must begin with the characterization of an experimental system, its structure and dynamics, rather than address theory, or the relation between theory and experiment...' (Rheinberger, 1992). Assess this claim with reference to examples.

Dissertation

Men, mines and machines: Robert Were Fox, the dip-circle and the Cornish system (supervised by Simon Schaffer)

Filip Drnovsek Zorko

Essays

Herbert Spencer and the history of evolution (supervised by Jim Secord)

Species and higher-level taxonomy: rank freedom in current biological practice (supervised by Jonathan Birch)

'We wish we could think that these speculations were as innocuous as they are unpractical and unscientific, but it is too problematic that if unchecked they might exert a very mischievous influence' (*The Times*, 8 April 1871). Why did Darwin publish the *Descent of Man*?

Why do scientific revolutions pose problems for the idea that science makes progress?

Dissertation

Species concepts in biological practice: re-thinking monism and pluralism (supervised by Jonathan Birch)

Abby Gibb

Essays

The history of anti-doping sentiment in 20th-century international sport (supervised by Helen Curry)

The creationism movement: a UK perspective (supervised by Hasok Chang)

Can scientific inference be free of non-epistemic value judgments?

Why do scientific revolutions pose problems for the idea that science makes progress?

Dissertation

The sporting body and stories of exclusion: doping and disability (supervised by Stephen John)

Juliet Griffin

Essays

Recent literature on the concept of human nature - an analysis of the philosophical, biological and ethical aspects of the debate (supervised by Adrian Boutel)

Why paedophilia is not a unitary kind for evaluating moral responsibility (supervised by Marion Godman)

Can scientific inference be free of non-epistemic value judgments?

Why do scientific revolutions pose problems for the idea that science makes progress?

Dissertation

An ex ante contractualist approach to Rose's prevention paradox: risk thresholds for cancer screening programmes as a case study (supervised by Stephen John)

Matthew Hay

Essays

Climate science philosophy and the creation of global data: has an epistemology of observation been overlooked? (Supervised by Stephen John)

The reintroduction of the wolf into Scotland: an exploration of the conceptual wilderness of 'rewilding' (supervised by Helen Curry)

'We wish we could think that these speculations were as innocuous as they are unpractical and unscientific, but it is too problematic that if unchecked they might exert a very mischievous influence' (The Times, 8 April 1871). Why did Darwin publish the *Descent of Man*?

Which idealized models, if any, should we be realist about, and why?

Dissertation

Stornoway and the North Atlantic storm-climate: a re-analysis of history's place in climate science (supervised by Richard Staley)

James Hynard

Essays

Speculation on sex in French Enlightenment texts (supervised by Margaret Carlyle)

Boundary work and epistemic communities in international scientific collaborations: the split site decision of the Square Kilometre Array project (supervised by Rob Doubleday)

'We wish we could think that these speculations were as innocuous as they are unpractical and unscientific, but it is too problematic that if unchecked they might exert a very mischievous influence' (*The Times*, 8 April 1871). Why did Darwin publish the *Descent of Man*?

In what ways and to what extent have pharmaceutical technologies and their users been co-constructed?

Dissertation

Sex in print in late 18th-century France (supervised by Emma Spary)

Jessica Morley

Essays

New medicinal comestibles in early modern Europe: the case of tobacco (supervised by Lauren Kassell)

Birthing and its authorities, 1750-1830 (supervised by Margaret Carlyle)

When did observation become an 'epistemic genre', and why?

Why do scientific revolutions pose problems for the idea that science makes progress?

Dissertation

Robert S Whipple as collector, donor and historian (1871-1953) (supervised by Liba Taub, Josh Nall)

Emma Naughton

Essays

Imagining deep time: revivifying antediluvian monsters in the 19th century (supervised by Jim Secord)

Herodotean tall tales and figurative and literal truths (supervised by Liba Taub)

'We wish we could think that these speculations were as innocuous as they are unpractical and unscientific, but it is too problematic that if unchecked they might exert a very mischievous influence' (*The Times*, 8 April 1871). Why did Darwin publish the *Descent of Man*?

When did observation become an 'epistemic genre', and why?

Dissertation

Lost world fiction and the domestication of the dinosaur, 1880-1914 (supervised by Jim Secord)

Anna Robinson

Essays

Public science or public spectacle? A literature review of public lecture-demonstrations in the 18th century (supervised by Simon Schaffer)

"Educated at the shrine of nature": Eliza Brightwen's Bible Album and the study of natural theology (supervised by Jim Secord)

'We wish we could think that these speculations were as innocuous as they are unpractical and unscientific, but it is too problematic that if unchecked they might exert a very mischievous influence' (*The Times*, 8 April 1871). Why did Darwin publish the *Descent of Man*?

When did observation become an 'epistemic genre', and why?

Dissertation

Models of authority: the place of geological models in the visual language of geology (supervised by Josh Nall, Liba Taub)

Athiban Selvackadunco

Essays

The creativity of metaphors in science (supervised by Hasok Chang)

Hume's ideas of space and self in the Treatise (supervised by Marina Frasca-Spada)

Can scientific inference be free of non-epistemic value judgments?

Why do scientific revolutions pose problems for the idea that science makes progress?

Dissertation

Kant's Second Analogy and Newtonian physics (supervised by Marina Frasca-Spada)

Alice Udale-Smith

Essays

Is cosmology a science? A literature review of the interfact between modern cosmology and philosophy (supervised by Hasok Chang)

Matilda, Matthew and more: collaboration and credit in the early Cavendish Laboratory (supervised by Richard Staley)

Can scientific inference be free of non-epistemic value judgments?

Why do scientific revolutions pose problems for the idea that science makes progress?

Dissertation

Separating theories and entities: the search for middle ground in the scientific realism debate (supervised by Hasok Chang)

Jacob Waller

Essays

Paul Feyerabend and art: a literature review (supervised by Hasok Chang)

The Sokal affair: a tale of orthodoxies and transgressions (supervised by Nick Jardine)

'We wish we could think that these speculations were as innocuous as they are unpractical and unscientific, but it is too problematic that if unchecked they might exert a very mischievous influence' (*The Times*, 8 April 1871). Why did Darwin publish the *Descent of Man*?

Why do scientific revolutions pose problems for the idea that science makes progress?

Dissertation

Thomas Carlyle and the 'hero as "man of science"' in the mechanical age (supervised by Jim Secord)

PhD Theses

Awarded

Jenny Bangham

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

Katy Barrett

The Wanton Line: Hogarth 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)

William Carruthers

Egyptology, archaeology and the making of revolutionary Egypt, C1925-1958 (supervised by Eleanor Robson)

Sean Dyde

Brains, minds and nerves in British medicine and physiology, 1764-1852 (Supervised by John Forrester)

Ruth Horry

Transitions and transformations Assyriology, C1880-1913: 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 by 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)



Three of our PhD students Riana Betzler, Sophie Waring and Magali Krasny

Submitted

Shahar Avin

Breaking the grant cycle: on the rational allocation of public resources to scientific research projects (Supervised by Tim Lewens)

Dmitriy Myelnikov

Transforming mice: Technique and communication in the making of transgenic animals in the United States and Britain, 1974-88 (Supervised by Nick Hopwood)

Jesse Olszynko-Gryn

Pregnancy testing in Britain, c. 1900-67: laboratories, animals and demand from doctors, patients and consumers (Supervised by Nick Hopwood)

Eóin Phillips

Making time fit: Astronomers, Artisans and the State, 1780-1820 (Supervised by Simon Schaffer)

Sophie Waring

Thomas Young and the Board of Longitude in the age of reform (Supervised by Simon Schaffer)

Lena Zuchowski

On the Foundations of Chaos and Complexity: Definitions and Differentiations (Supervised by Jeremy Butterfield)

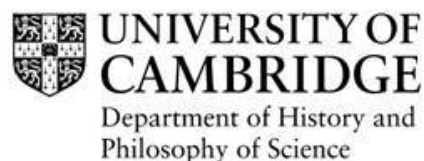


Shahar Avin and Tiago Mata

The Library



**WHIPPLE
LIBRARY**



2013-14 was a year of significant developments in the Library, from affiliation to the University Library and extended opening hours, to our first participation in Open Cambridge and the launch of a new seminar series, all of which are described in more detail below. We continued to serve a wide range of readers from across the University, both students and staff, and trust that the Whipple also maintains its role as a congenial base for visitors to the Department. Although the number of HPS undergraduates was slightly down on previous years, we were proud of a good write-up in *The Cambridge Student's* 'Battle of the Bibliothèques', which complimented the Library as "unassuming but not dull" and "a sea of serenity". Instrumental in creating that successful atmosphere is the Library staff, which in 2013-14 comprised Anna Jones (Librarian), Dawn Moutrey (Library Assistant), Agnieszka Lanucha (Library and Departmental Assistant), and lunchtime invigilators Riana Betzler, Andrew Buskell and Sophie Waring.



Affiliation

The Whipple Library and its staff started the new academic year in a new relationship with the Department, having become an Affiliated Library of Cambridge University Library on 1 August 2013. The UL's affiliation programme is a direct outcome of the General Board's Review of Teaching and Learning Support Services (2008), which made various recommendations in the interests of the delivery of more effective and efficient library and other academic support services around the University to students and staff. By bringing the department and faculty libraries into closer relationship with the UL the aim is to improve the user experience

by enabling better coordination of acquisitions and other essential reader services. The historic ties between the Library and Museum, and with the rest of the Department mean that the Whipple enters into affiliation in a strong position, keen to benefit from central improvements in the interests of our uses, while also retaining the autonomy necessary to continue serving the research needs of the HPS community.

Most of the changes evident during the first year have been administrative, with the Librarian and Library Assistant becoming members of University Library staff, with line management from the School Librarian for Humanities and Social Sciences, Dr Linda Washington (sometime also Whipple Librarian). This has brought opportunities to serve on a number of additional committees, which in turn is helping to foster mutually beneficial relationships with staff at the main UL. Anna Jones was invited to contribute to a workshop on the processing of donations at the UL in March, and gave a short presentation on the work of the Whipple to the All Staff Briefings in May. We look forward to developing these relationships further as the affiliation programme develops over time.

Extended opening hours

We were extremely pleased to be able to extend the Library's opening hours to 7pm on weekday evenings in full term from the start of the Lent Term, fulfilling a long-held ambition of several generations of student representatives and librarians alike. Although practical for the most important of reasons, synchronizing the Library's closing time with that of the Department had meant that heavily timetabled students, especially those reading for Part IB, had limited opportunities to use the Library other than to collect or return an overnight loan in gaps between lectures. By extending opening until 7pm we are now more accessible to students attending late afternoon lectures, and also provide a more attractive regular work space for MPhil and Part III students and visitors who don't have desks elsewhere in the Department, and who can benefit from working a longer day.

Closing today at
7.00pm

The Department's support towards providing the infrastructure to enable evening opening was and remains crucial, from the conversion of the fire exit in the Storey's Gate into an out of hours entrance with swipecard reader to providing funds for additional staffing to cover the extra hours. PhD students Andrew Buskell and Sophie Waring generously added two evening shifts a week to their lunchtime invigilating hours to relieve regular Library staff at the end of the standard working day.

Acquisitions

Among several generous donations received during the year, the Library was particularly pleased to receive a collection of 16 books in German on various topics in the Life Sciences from Dr Jonathan Harwood, formerly of the University of Manchester. Most were titles not otherwise held in Cambridge, so we are grateful to have had the chance to accession these books, and extend our thanks to Dr Harwood and to Dr Nick Hopwood for negotiating the donation and bringing the books to Cambridge.

A total of 507 books, pamphlets and theses, and 47 ebooks were accessioned by the Library in 2013-14. The proportion of ebooks increases as new titles are routinely published in both formats and we opt to purchase electronically those that will be of particular use in teaching. The stability of publisher platforms for accessing ebooks and variable licensing conditions affecting the facility to download remain concerns for the academic library community, but as Cambridge increases its coverage and expertise in this area we hope to have a positive influence in representing the realities of the end user experience to publishers and aggregators.

Notable among the acquisitions of 2013-14 was a rare copy of the second issue of Louis Auzoux's *Leçons élémentaires d'anatomie et de physiologie* (1839), bound in its original paper wrapper, with printed advertisements on the back cover. The text relates directly to the Auzoux anatomical models held in the Museum, and will be used as part of an exhibition of Auzoux's work planned by the Museum to coincide with the 'Curating Cambridge' festival in the Michaelmas Term 2014.

Special collections

Conservation project

The timing of the generous institution of the new Whipple Museum for the History of Science Conservation Fund, celebrated at a launch in March 2013, proved fortunate for the Library. Daniel Barbaro's *La pratica della prospettiva* (Venice, 1568) is a noteworthy book in the Whipple collection, partly for its content – the woodcuts in Barbaro's architectural treatise make it a good example of the developing use of illustrations in scientific books in the sixteenth century – but also because of its highly unusual binding.



Unusual decorated binding

Much valuable evidence of binding practice over time has been lost from early printed books that passed through the hands of early twentieth-century collectors who were susceptible to the temptation to improve the look of their treasures by having them rebound. To our great and lasting fortune, R.S. Whipple was not of such mind, and so many of his books are in original coverings, albeit in poor condition in several cases. Barbaro's *La pratica* is a folio book printed on paper, bound in pasteboard and decorated with hand-coloured strips of parchment. Its quirky appearance makes it a popular book with visitors, and we became aware in the summer of 2013 that the loosening of a piece of parchment on the front board could lead to further damage if not attended to.

Colleagues at the Cambridge Colleges Conservation Consortium, based at Corpus Christi College were delighted to have the chance to examine the unusual binding at close quarters, and carried out a neat repair before returning the book in a specially fitted archival box to help protect it from further shelf wear. We are grateful to the donors who provided that books in the Whipple Collection should be eligible for treatment under the Conservation Fund, and to Liba Taub for allowing us to draw on this resource at an early stage.



Damage to parchment strip on front cover



After conservation

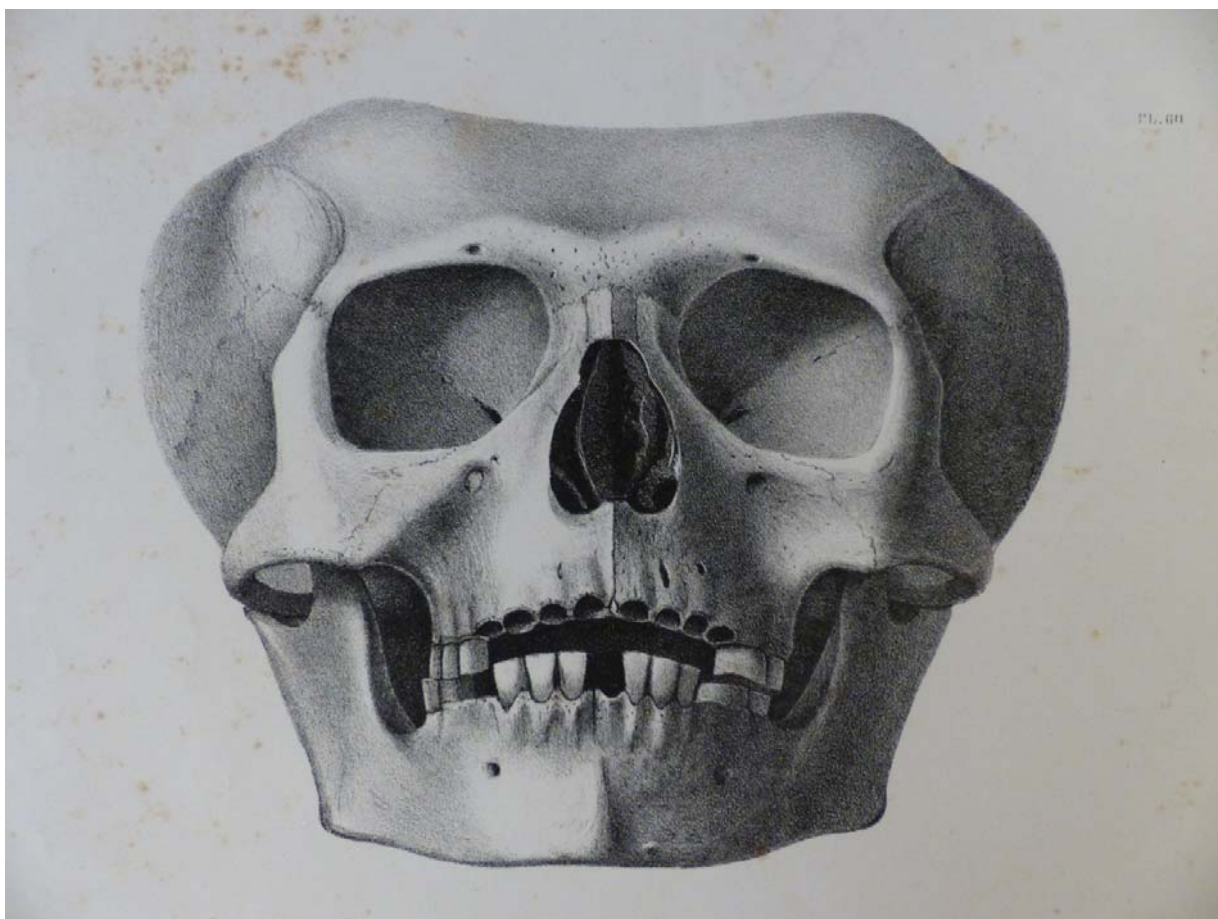
Exhibitions

Women Popularisers of Science

The Library hosted two book displays in the small exhibition space on Level 1 in 2013-14. Dawn Moutrey (Library Assistant) prepared a sequence featuring ‘Women popularisers of science’ in September, including a number of eighteenth- and nineteenth-century works by women authors aimed at encouraging an interest in science among children and young adults. This served well to highlight to our incoming and regular users the pedagogical literature that is a strength of our special collections, and also proved popular with our first batch of Open Cambridge visitors.

Skulls in Print

In February 2014, HPS PhD student James Poskett launched ‘Transatlantic Professor: Samuel Morton between the United States and Britain’, a small exhibition examining the publication history and subsequent influence of Samuel Morton’s provocative treatise of 1839, *Crania Americana*. James had been delighted to discover when consulting the Whipple’s copy of the American edition of this book a few months earlier that it contains an additional set of loose plates used to promote the book before and after publication. Because the plates had a purpose separate from the volume itself it is rare to find the two together, so the copy has special significance for the Library as well as to James’s work.



The exhibition formed the basis of an interview James gave to the University research website about his work on Morton and scientific racism (<http://bit.ly/1dfbWbk>), which, by virtue of further promotion via social media led to further interviews with a Native American radio station and Brazilian newspaper *O Globo* (<http://glo.bo/1osPRa8>). Congratulations and thanks to James for his work in preparing and promoting the exhibition, and we hope its success will help encourage other students to take advantage of these opportunities to showcase their work to a wider audience.

Tom Telescope

The Department celebrated the re-opening of the refurbished Globe Gallery in the Museum on 24 October 2013 with a lecture by Jim Secord on the publication history of a series of books for children on Newtonian philosophy, authored by the pseudonymous 'Tom Telescope'. The Library was delighted to host a small pop-up display of successive editions of Tom Telescope from our collections for the occasion, together with a number of other eighteenth and early nineteenth century books describing and illustrating the orrery.

Events & Outreach

Library visits have been a popular feature of the Open Cambridge heritage weekend in recent years, and we were very glad to be able to open the Whipple to members of the public on a drop in basis on Friday 13 September 2013. A leaflet was prepared to highlight particular features (including temporary displays) as people

walked round, and the Librarian offered informal tours at different times during the day. We were pleased with the total of 36 visitors for our first effort, and hope to repeat the event in future.

The Librarian prepared a short presentation, illustrated by examples from the Library's special collections, for a visit of the Bolton Society (of chemical bibliophiles) to the Museum on 11 November 2013, and we were glad to welcome the 2013-14 cohort of Cambridge Graduate Trainee Librarians to the Library for their annual visit on 1 July 2014.

User education – Science in Print series

For several years the Library's user education programme had been enhanced by a collaboration with HPS Affiliate Roger Gaskell who co-presented, with Jim Secord, a pair of workshops for the weekly Departmental Graduate Training Seminar on 'How to use printed books as original sources'. The sessions looked at various aspects of the bibliography of books printed in the hand and machine press periods, using examples from the Whipple's special collections, but the workshops were necessarily compressed, with much content to fit into a short space of time.

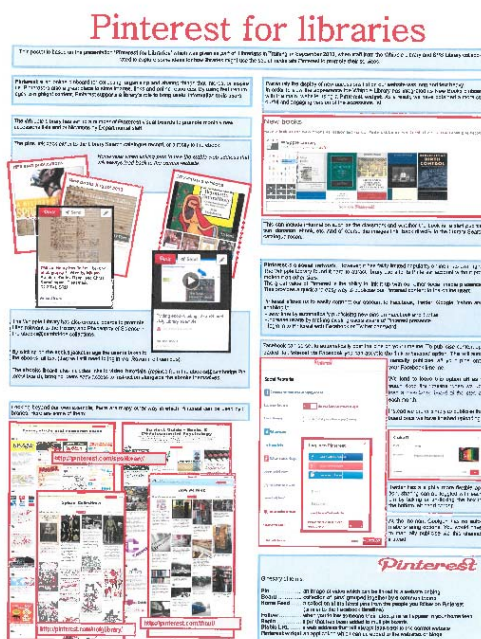
We were delighted to be able to extend this offering in 2013-14 into a discrete mini-series of four sessions called 'Science in Print: Understanding book production from the sixteenth to the nineteenth centuries', held in the Old Library during the Michaelmas Term. The series was open to students at all levels, as well as to postdocs, and by virtue of wide-reach marketing via hps-discussion, a full complement of 18 participants was signed up quickly, including several people from outside the Department, mostly graduate students and postdocs. The series filled an obvious gap since, although the University is rich in printed sources for research, there are relatively few opportunities to study book production in a systematic way.

The opening session surveyed techniques and developments during the hand press period illustrated by 15 examples from the Whipple collections, which people were invited to look at closely. Roger's comprehensive discussion of printing and illustration techniques in week 2 was complemented by an optional field trip made possible by a further helpful collaboration with staff from the University Library Rare Books Room who led tours of the Historical Printing Room for those able to attend. We returned to the Whipple for a discussion of analytical bibliography and the advantages and disadvantages of using digital surrogates in the third session, and the series concluded with an introduction to nineteenth-century book production by Jim Secord. Good attendance across the sessions and positive feedback via a concluding survey attested to the success of the series, which we hope will become a regular feature of the Whipple's user education programme in future. Sincere thanks are due to Roger Gaskell for the time and insights he shared to help make the series possible.

Staff activities & development

The Librarian represented the Whipple at the annual conference of the 'Rare Books and Special Collections Group' of the Chartered Institute of Library and Information Professionals (CILIP) in Canterbury in September 2013. The theme of the conference was 'The Future of the Past: Digitisation of Rare and Special Materials', and speakers from a range of large and small institutions with recent experience of digitising print and manuscript material made for a stimulating and informative two days.

All three permanent members of staff attended the annual libraries@cambridge conference on 'Quality' at the Computer Laboratory in West Cambridge on 9 January 2014, and two posters were submitted on behalf of the Library. Aga Lanucha's explored possible uses of the social media site Pinterest in libraries, based on a joint presentation she gave to the Cambridge Librarians in Training group the previous September, while Anna Jones's summarised the achievements of the 'Science in Print' series.



Science in Print



Understanding book production from the sixteenth to the nineteenth centuries

The Whipple Collection



R.S. Whipple donated his collection of historical scientific instruments and books to the University in 1944, intending that they be used to support the study of the history of science. From this core, the Library's special collections have grown to more than 8000 items covering many aspects of the history of science, technology and medicine. They constitute an important research resource, but are also integral to the Department's teaching activities.

Matching collections & expertise to user needs

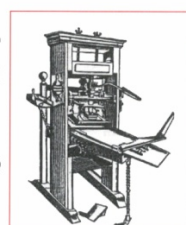
- § The study of books as part of material culture is an important aspect of the history of science.
- § Students and academics alike benefit from easy electronic access to early printed texts via EEBO, ECCO, etc., making content available at their desk and saving travel time to distant libraries.
- § Less engagement with the physical book, however, means that some aspects of the manufacture and history of early print is poorly understood.
- § Whipple slots in the Graduate Training Seminar programme were too short to address issues in detail.
- § Collaboration with colleagues in HPS and in UL Rare Books Department allowed for sharing of expertise in expanded format.



The Science in Print series

5 weekly sessions held during Michaelmas Term in the Whipple Old Library & UL:

- Survey of the hand press period (Roger Gaskell)**
17 scientific books from the Whipple Collection on display for participants to observe and handle, introducing themes for the series
- Book production in the hand press period (Roger Gaskell)**
- Optional field trip to join UL introduction to Historical Printing Room (Will Hale/Emily Dourish)**
- Analysing books from the hand press period (Anna Jones)**
- Book production in the nineteenth century (Prof. Jim Secord)**



Target audience

- § Series advertised via hps-discussion list to appeal to wide audience.
- § Deliberate aim to include participants at all levels from undergraduates to established academics, and from different disciplinary backgrounds; bibliographical principles apply across subjects.
- § Flexible booking via Whipple staff meant spaces could be managed according to availability and demand.
- § Excellent response and turnout for all sessions, from Part III students to former Chair of Library Syndicate!

Benefits

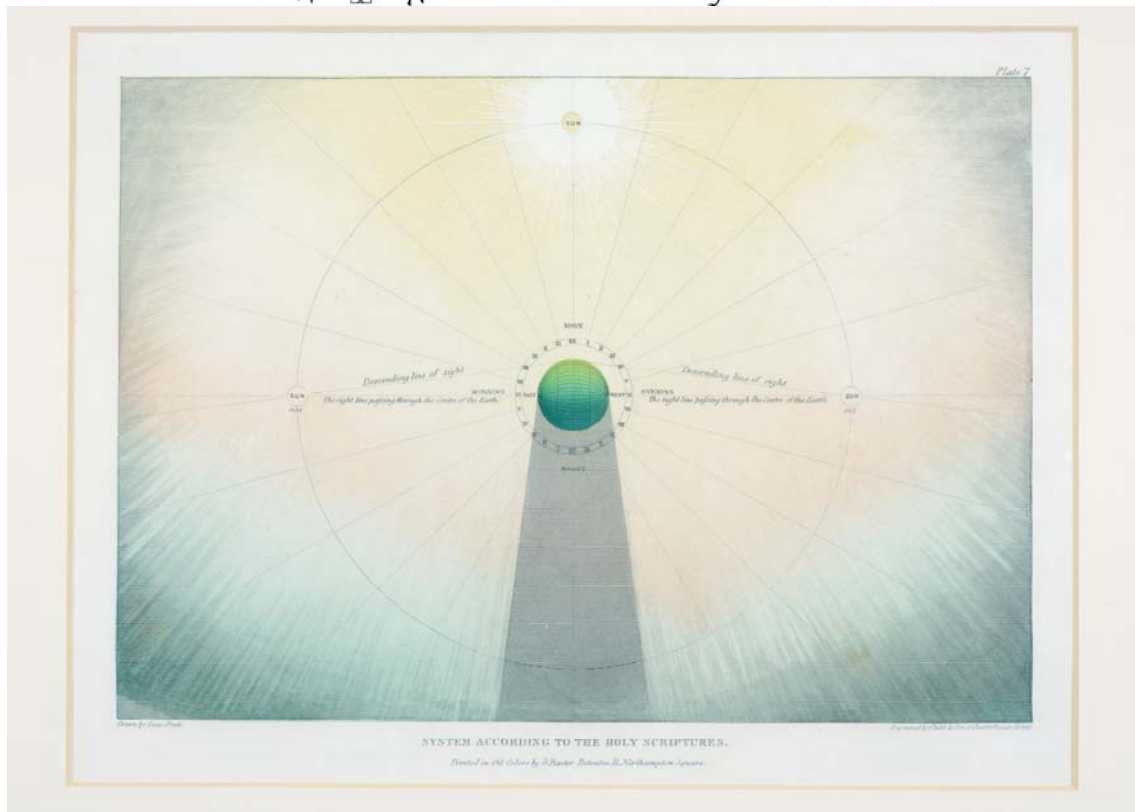
- § Opportunity for members of the Department at all levels (students, researchers, academics, affiliates and library staff) to collaborate in an informal setting to explore common interests, share specialist knowledge and learn from each other.
- § Opportunity for Whipple and UL staff to collaborate in areas of shared interest.
- § Helped to spread knowledge of the Whipple Collection and encourage its further use, in line with R.S. Whipple's intentions.
- § Generated interest in Whipple Books Blog and will hopefully stimulate more guest posts.
- § Opportunity for Whipple staff to enrich personal knowledge of special collections while fulfilling an important user education function.

Lessons for future

- § Experience of delivering seminars will help planning for content and scope of future sessions.
- § Further reading to improve confidence when delivering complex ideas to a sophisticated audience.
- § Find a way to market so that interest is maintained across a broad range of participants and not limited to new graduate students.

With thanks to: Roger Gaskell, Jim Secord, Dawn Moutrey, Aga Lanucha, Will Hale, Emily Dourish & Ed Potten

The Museum



- ‘Enjoyed the new Globe gallery – and everything else!’
- ‘Breathtakingly wonderful – displays like this move me to tears.’
- ‘Such an engrossing couple of hours – this museum is a gem.’
- ‘The museum is getting better and better.’
- ‘Many thanks. It would be wonderful if you could find a way to keep this superb museum open at the weekends when most people are actually able to visit. Had a great time!’
- ‘Excellent, so thoughtfully put together. Will be back when less tired!’
- ‘Utterly fascinating and a wonderful use of an afternoon. Thank you.’
- ‘A fine museum that is worth repeat visits.’
- ‘A tiny gem of a museum. Packed with fascinating things. Definitely worth visiting.’
- ‘Perfectly formed, fascinating and free – thank you all!’
- ‘Museums at Night: Brilliant event. Fantastic to have experts explaining in such detail and so lucidly all about items in [the] museum.’
- ‘Waited 6 years to visit. Finally made it. All worthwhile.’
- ‘Wonderful exhibit for the curious mind.’
- ‘Great museum – needs more marketing!’
- ‘One of the most interesting museums I’ve visited!’
- ‘A great collection [and] a great team of curators!’
- ‘At last, I have visited this museum – 50 years after my BA! Wonderful collection!!’

Special Projects

Gallery Development

The Upper Gallery

The work on the Upper Gallery's redisplay of 'Globes' was completed in the summer of 2013. Part-financed by a grant from the DCMS/Wolfson fund, the refurbishment has allowed us to purchase new 'modular' display cases which show off 46 globes from our collection to greater effect. The gallery is proving to be very popular with visitors and was celebrated with an opening event on 24th October 2013. The display is enhanced by a moving model of an ancient globe, on extended loan to us from the Excellence Cluster Topoi, in Berlin.

Discover

Following the success of the relining of the older display cases in the Upper Gallery and the New Gallery, with light coloured fabric, we made the decision to do the same with the display cases in *discover*. This has made the cases look much fresher and complements the displays in the rest of the Museum. This relining coincided with the exhibition 'Discoveries: Art, Science & Exploration' that was held at Two Temple Place, London and then at the Fitzwilliam Museum, Cambridge.

Storage

The work to replace the open shelving in the Whipple's stores has continued over the last year with more 'visible storage' cabinets being located in Stores 1a and 1b. The School of Humanities and Social Sciences have awarded the Museum a further £7800 for more cabinets which will populate Store 1c and the Reserve Gallery. As part of the store moves and as a result of the Conservation Review undertaken last year, Whipple staff have been consolidating our objects containing plastic (which can be problematic from a conservation standpoint) and have been reviewing the way that these plastic items are stored. The Museum staff have also been reviewing the storage of items containing radon paint and have entered into talks with The Polar Museum about the possibility of sharing the storage of these items.

Accreditation

The Whipple has applied, successfully, to renew its Accreditation status. Thanks are due to Collections Manager, Claire Wallace, who prepared the application.

Exhibitions

Kitchen Chemistry

The Whipple Museum's collaboration with the Department of History and Philosophy of Science continued in 2014 with the installation of a display about kitchen chemistry. Constructed by Salim Al-Gailani, Research and Teaching Associate in HPS, and based on work produced during his MPhil, this display of chemistry sets discusses the marketing of 'career toys', building citizen scientists, and chemistry experiments that could be done in the home, as well as chemical 'magic'.

Discoveries: Art, Science & Exploration

Discoveries was the first major exhibition to bring together the collections of all eight University of Cambridge Museums. It ran from 31st January until 27th April at Two Temple Place, London and from 27th May until 27th July at the Fitzwilliam Museum in Cambridge. The exhibition was accompanied by a programme of events, at both venues, which included performing arts, workshops, talks, panel discussions and evening openings. The Whipple loaned 25 objects for this exhibition, including the Nairne and Blunt table orrery, a photographic portrait of R.S. Whipple, 6 framed Muggletonian prints and also a selection of microscopes and telescopes.

The Whipple was proud to have one of our Muggletonian prints featured on the cover of the catalogue that accompanied the exhibition and also on all of the marketing materials. More about the collections and objects that featured in the exhibition can be found at the *Discoveries* website:

<http://www.museums.cam.ac.uk/discoveries/>

Staff News

Josh Nall started working in the Whipple in October 2013 as the newly appointed Assistant Curator. Josh gave a very successful Departmental Seminar on 24th October about 'A trip to Mars by aeroplane': genres of public astronomy and the practice of astrophysics in the *fin de siècle*.

Lorena Bushell was appointed as the new Learning Co-Ordinator and joined the Whipple team in January 2014. This post is funded by the UCM Connecting Collections project.

Claire Wallace (Collections Manager) has joined the National Museums Directors Council (NMDC) Collections Managers Group and has attended meetings of this group in November 2013 and June 2014 on behalf of the Whipple. She also attends as the representative for the wider UCM consortium.

Steven Kruse (Museum Assistant) has started to work towards a MA in Museum Studies (Distance Learning) at the University of Leicester. Steven began the course in April 2014.

Rosanna Evans returned to help at the Whipple twice this year. She joined us for one week in December, helping to prepare for the re-lining of the display cases in the *discover* gallery. Since her graduation from Leeds University in June 2014 she has provided welcome assistance to the core Museum staff. Her main tasks have been to complete an inventory of the Howard Collection glassware and accessioning new objects into the collection.

Also as part of the Connecting Collections project, the Whipple welcomed Hannah Carney as a 'Creative Apprentice'. Working with us during January 2014, Hannah was able to assist Claire Wallace, with the re-lining of the display cases in *discover* and the installation of the Whipple objects in the 'Discoveries' exhibition.

Training

20th September 2013

Understanding Museums – What can objects do for us? (Organised by SHARE East of England, held at The Botanic Garden, Cambridge) Steven Kruse attended this course. Participants were asked to take something of personal significance to the course. The discussion about these objects looked at the meaning of things and the stories attached to them and lead on to talking about how this influences thinking about museum objects.

4th October 2013

Understanding Museums – History and Context. (Organised by SHARE East of England, held at the Whipple Museum of the History of Science, Cambridge) Steven Kruse attended this course which looked at the history and context of museums from cabinets of curiosities to today and gave a broad introduction to the museum landscape.

14th October 2013

Emergency Planning Workshop, Fitzwilliam Museum. Claire Wallace attended a workshop about Emergency Planning in Museums. This workshop was run by Harwells, specialists in emergency recovery, and included a practical exercise. It was attended by colleagues across the UCM consortium.

18th October 2013

Understanding Museums – Structures and Governance. (Organised by SHARE East of England, held at The Fitzwilliam Museum, Cambridge) Steven Kruse attended this course which looked at who runs museums and how different museums are governed. This session looked at University, independent and local authority museums.

1st November 2013

Understanding Museums – Collecting, Caring & Exhibiting. (Organised by SHARE East of England, held at the Museum of Archaeology and Anthropology, Cambridge) Steven Kruse attended this course which gave an introduction to museum ethics and thinking about what we do.

11th-12th November 2013

Museums Association Conference, Liverpool. Steven Kruse attended the annual Museums Association Conference. This was fully funded through the skills development strand of the UCM Connecting Collections project. The conference themes included: future of the sector funding, the strengthening of museums' emotional impact, the possibilities of promotion of physical well-being in a museum context, and the future of technology use in the sector. There were also direct training opportunities and a trade exhibition.

15th November 2013

Understanding Museums – Advocacy, Communication and Building your Networks. (Organised by SHARE East of England, held at the Museum of Classical Archaeology, Cambridge) Steven Kruse attended this course, which looked at the increasing importance of networks, and of how we represent our organisation. This session was designed to build understanding and confidence.

29th November 2013

Understanding Museums – How can museums make a difference? (Organised by SHARE East of England, held at The Polar Museum, Cambridge) Steven Kruse attended this course which looked at the social, economic and cultural impact of museums.

14th February 2014

Webinar – Licensing Digital Content to Create Revenue. Claire Wallace took part in this 'webinar', part of the Collections Trust's webinars on Collections Management. It focused on how museums can manage Intellectual Property Rights within a Collections Management Framework, to make better use of their collections and how licensing can provide opportunities for creative uses of the collection, including the generation of income.

5th March 2014

Webinar – Strategic Collections Management. Claire Wallace took part in this 'webinar', part of the Collections Trust's webinars on Collections Management. Using examples, this webinar explored how collections

management can be linked to strategic objectives and also the concept of an integrated collections management framework.

20th March 2014

Webinar - Managing Archives in Museums. Claire Wallace took part in this ‘webinar’, part of the Collections Trust’s webinars on Collections Management. Using the collections at the Canal & River Trust as a case study, this webinar explored good practice in the management of both archives and archival material. It also explored the application of archival and museum management methodologies within a museum context, and the application of the SPECTRUM standard to archival material.

27th March 2014

Webinar – Buying Collections Management Software. Claire Wallace took part in this ‘webinar’, part of the Collections Trust’s webinars on Collections Management. This webinar summarized the project carried out by Edinburgh Museums and Galleries to identify and procure new Collections Management Software. It also discussed the outcome of a survey they conducted to find out how other museum and gallery services have approached the specification, implementation and updating of their systems.

April 2014

Museum Studies MA. Steven Kruse began a MA in Museum Studies at the University of Leicester. This course will take 2 years to complete by distance learning. It aims to develop ‘both philosophical approaches and the practical methods and skills necessary to become [a] creative and effective museum and gallery professional.’ Modules covered in this course include ‘Museum Communities and Contexts’, ‘Managing Resources in the Museum’, ‘Museum Communication and Audiences’, and ‘Museum Projects: the Case of Exhibition and Interpretive Planning’. The second year of the course will be spent completing a dissertation.

14th May 2014

Museums and Heritage Show (organised by the Museums Association and held at Olympia, London). Lorena Bushell attended this and heard speakers from different organizations deliver a series of presentations on engaging new visitors, making museums more accessible to children and young people, and undertaking audience research.

1st July 2014

Trails Text Workshop (organised by Text Workshop and held at The Foundlings Museum, London). Lorena Bushell attended this practical session which aimed to improve writing skills for designing museum trails and worksheets.

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

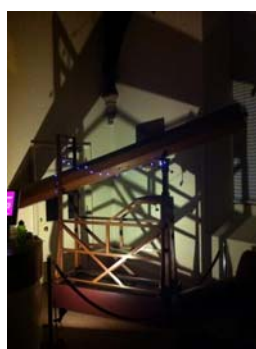
In October 2013, the Whipple held two events as part of the University's Festival of Ideas.

On 26th October the Whipple opened for a special Saturday opening. The event was attended by 161 people. We were also able to offer a 'Make Your Own Sundial' activity.

Jeremy Butterfield once again chose the Whipple Museum as a venue for communicating his project's research. Nazim Bouatta gave a talk on 31st October entitled 'Quantum Frontiers' which was attended by 50 visitors. He asked questions such as: What happens to an atom if you keep splitting it? And how can philosophy have anything to do with the answer? This talk introduced the revolutionary ideas of quantum physics that describe the behaviour of atoms and their parts, and the parts of those parts, and so on. Present understanding of the very smallest parts depends on quantum ideas - and also philosophy.

The Whipple collaborated with The Polar Museum for a joint trail, linking the two museums and highlighting the similarities between the two collections. The Polar Museum held a panel discussion on 1st November, 'Mapping the Past', at which Emma Perkins from the Department of History and Philosophy of Science contributed a talk about her research on the Whipple's globe collection.

Twilight at the Museum



At 4.30pm on 19th 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 'life in the natural world'-themed trail led visitors around the galleries, enabling them to collect a sticker for each object they could find. If they acquired four stickers, they could claim a prize from one of the Whipple staff members. This was an extremely popular event with 953 people attending over the course of the evening. This made it a record day for attendance at the Whipple with over 1000 visitors coming to the museum in one day.

Cambridge Science Festival

In March 2014, the Whipple was involved in five events as part of the Cambridge Science Festival.

Adam Caulton, a philosopher of physics, gave a talk at the Whipple on 11th March about 'The psycho-colours of vision'. He discussed what physics and psychophysics have contributed to our recent understanding of human

and animal vision. He asked ‘Why do most humans see in three primary colours? Could there be people who see in more than three? What can we say about what that would be like? Does a digital camera work like an eye?’

Feedback for ‘The psychophysics of vision’:

‘Very good lecturer.’

‘Very clear and informative. Thank you.’

‘Very good overview of the area. Excellent examples to show how non-obvious is the difference between our colour perception and “real” colours.’

‘Informative. V lively Q&A. Researcher v engaged & personable. Very enjoyable.’

‘Amazing!’

Philosopher and physicist Brian Pitts gave a talk entitled ‘Poincaré and Einstein on geometry: how do they look today?’ on 12th March. He spoke about how the latest particle physics work on gravitation relates to the famous work of Einstein and Poincaré on geometry.

Feedback for ‘Poincaré and Einstein on geometry: how do they look today?’:

‘It is amazingly unbelievable how the professors give you so much information. Brilliant! Very well explained...to improve the lectures and make them more exquisite, in my opinion they should make the audience be a part of the lecture and come up with some activities to make it exciting, so the lecture would be unforgettable!’

On 13th March, Jeremy Butterfield spoke about ‘What is matter?’. The philosopher of physics discussed what modern physicists think particles are.

Feedback for ‘What is matter?’:

Really enjoyed the lecture- of course some of the ideas were beyond my understanding, but enjoyable food for thought.

Excellent, thought-provoking, brain-melting talk. Really made me understand why philosophy is related to physics. But my brain is too small to understand quantum physics! Thank goodness I don’t need to and can enjoy the journey. Thank you for your insight.

Excellent – and thanks for not using PowerPoint!

Very interesting and clearly described.

I very much enjoyed the talk. It gave a flavour of the mysteries we still face in understanding these things.

On 14th March, the Whipple's Collections Manager, Claire Wallace took part in 'Conservation Conversations' at The Fitzwilliam Museum. She took along a selection of items from the Whipple's collection that contain plastics that are beginning to degrade. Working with Jenny Marchant, a conservator from The Fitzwilliam Museum, she showed visitors the degradation that has already started to occur and discussed the decisions that are made when conserving and preserving the collection.

The Whipple Museum was open on Saturday 15th 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. On this occasion, staff from the Museum of Zoology provided family activities linked to 'nature's patterns' and guided tours of the Whipple's collection were offered throughout the day. 298 people visited the museum overall.



‘Discoveries’ at Two Temple Place

Assistant Curator Josh Nall gave a gallery talk on 21st March at the ‘Discoveries’ exhibition at Two Temple Place, London, about his research into Wh.5857, the Muggletonian astronomical prints. This talk was repeated at the Fitzwilliam Museum on 18th June.

Museums at Night

On Friday 16th May, the Whipple Museum opened to the public to mark the national ‘Museums at Night’ event for the first time. Aimed at an adult audience, visitors were encouraged to ‘Meet the Researcher’ and had the opportunity to look around the Museum outside of normal opening hours. We had 90 visitors over the



course of the evening and we were very grateful to Seb Falk, Ruth Horry, Jenny Bulstrode, Michael McGovern and Melanie Keene for being our experts on the night. (Photo © Martin Bond)

Universities Week

On 10th June, Josh Nall was a member of a panel of curators and directors who lead a public discussion on ‘The Nature of Discovery’ at the Fitzwilliam Museum.

University Open Days

On 3rd and 4th July several members of Whipple staff took some objects over to the West Cambridge site where they could talk to prospective students about studying HPS. Anna Alexandrova also gave a talk in the New Gallery to other prospective students.

Summer at the Museums

On 4th and 18th August, Lorena Bushell, The Whipple’s newly appointed Arts Council of England (ACE)-funded Learning Co-Ordinator, ran two events called ‘Can you believe your eyes?’ Visitors were invited to explore the magical world of optical illusions through the amazing optical instruments at the Museum and visitors could make their own spyglasses and thaumatropes which they could then take home. Lorena was assisted by some volunteers recruited especially for the Whipple by the Widening Participation Officer within the University of Cambridge Museums (UCM) consortium team.

The Museum of Zoology visited the Whipple on 11th and 26th August as their museum is undergoing a large-scale redevelopment until 2016. Their events, ‘Microworlds’ invited visitors to zoom in on the miniature worlds of insects, worms and other invertebrates featured in their collection.

The Summer at the Museums events were all reported on the UCM blog (<http://camunivmuseums.wordpress.com/tag/summer-at-the-museums/>).

Open Cambridge

Josh Nall wrote a piece on the Ingeborg Brun globe of Mars (Wh.6211) for ‘My Museum Favourite’, which formed part of a UCM-wide trail. We were also open on Saturday 13th September when 102 people visited the Museum.

Alumni Festival

On 26th September, Josh Nall gave two tours of the Museum to alumni returning to the University for the Alumni Festival. 26 alumni attended these tours.

Other Events

Globes Gallery Opening

On 24th October, we held an event to herald the official opening of the new Globes gallery and to celebrate all of the gallery refurbishments that have occurred over the last four years. Jim Secord, Head of Department of the History and Philosophy of Science, gave a talk about ‘Tom Telescope’, and Liba Taub, Director and Curator of the Whipple, gave a speech detailing the achievements of the Museum staff.

SHARE course

On the 4th October 2013, one session of the six-week ‘Understanding Museums’ course (‘History of Museums’) organized by SHARE Museums East was held in the New Gallery.

‘Equatorie of the Planetis: Manuscript, Models and Digitisation’

On the 28th May 2014, a symposium celebrating the launch of the Peterhouse manuscript collection within the Cambridge Digital Library (<http://cudl.lib.cam.ac.uk/collections/peterhouse>) was held at the Whipple. Speakers discussed the first manuscript to be digitized, the fourteenth-century astronomical treatise ‘The Equatorie of the Planetis’. The manuscript, together with a virtual model of the equatorium it describes is accessible at the above website. The Whipple was pleased to be able to offer a venue for this symposium which linked in to research carried out by Seb Falk on a replica equatorium (Wh.3271), colloquially known as ‘King Arthur’s Table’, that is in the Whipple’s collection.

Special Visits

On 17th October 2013, the Cambridge Home Schooling Network visited the Whipple to hold a session and use the handling trolleys. They enjoyed the handling objects so much that they booked to visit one day each month for the rest of the school year.

On 18th October, Claire Wallace gave a tour to a group from the Cambridge branch of the University of the Third Age.

Also on 18th October, the School of Humanities and Social Sciences held an Administrators meeting in the Whipple’s New Gallery. Josh Nall gave them a tour and we were pleased to be able to offer them a meeting space in such historic surroundings.

On 21st October, Simon Fourmy from The Wolfson Foundation visited the Whipple. Claire Wallace gave him a tour, focusing on the newly opened Globes gallery. DCMS/Wolfson donated £20,000 towards the funding of this gallery and Mr Fourmy was very keen to see the results of the refurbishment, describing it as ‘fabulous’.

Since January 2014, Lorena Bushell has delivered seven widening participation sessions for year 11 and year 12 students. The students involved were taking part in hosted visits to Newnham College, Downing College, Trinity Hall, and Clare College. All of these sessions were delivered in the Museum and were discussion-based. The goal of these sessions was not only to encourage students to aim high, but also to expose the students to subjects that they might not otherwise consider.

On 14th March, Kathy Fawcett, Relationship Manager, Museums (South East) at Arts Council England, visited several of the University of Cambridge Museums, including the Whipple.

On 29th August, John Orna-Ornstein, Director of Museums for Arts Council England, visited all eight of the University of Cambridge Museums, stopping for afternoon tea in the Whipple's Victorian Parlour.

Television, Radio and Magazine Appearances

On 31st October the Victorian Parlour was transformed into a Tudor workshop with Whipple objects being used as 'props' in the backgrounds of the shots.

On 7th November, Jim Secord was interviewed by PBS for a forthcoming documentary on Darwin.

HPS's Anne Secord was interviewed in the Museum by BBC Radio 4 about her research on Hobson and his book of British mosses (Wh.4577) on 29th January.

Josh Nall was interviewed on 8th August on Cambridge 105FM and on 16th September on BBC Radio Cambridgeshire to promote the Whipple Museum and its summer programme of events.

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 undergraduates and postgraduate theses have been undertaken on objects in the collection.

Student and Staff Research

On 24th November Josh Nall (Assistant Curator) acted as chair and commentator for the session 'Nurturing the Nation, Cultivating Innovation', at the *History of Science Society Annual Meeting*, Boston, Mass., U.S.A.

On 29th January 2014, Hasok Chang held a Paper 8 lecture on Electrochemistry in the New Gallery. To help illustrate the points he was discussing, we displayed a Voltaic dry pile (Wh.1142), a gold-leaf electroscope (Wh.1399), an electrostatic generator (Wh.3784) and a battery of five Leyden jars (Wh.3702). Hasok also performed some of his own experiments.

On 3rd February, Daniel Mitchell gave a lecture about the importance of telegraph cables in the long nineteenth century. Claire Wallace (Collections Manager) was able to take along a section of the government telegraph cable to India by W. T. Henley (Wh.3921) and four sections of the Atlantic telegraph cable dating to 1865 (Wh.4481) so that the students could see how the cables were constructed.

On 24th June, Josh Nall chaired a panel discussion on 'Use of instruments for demonstrating', at the seminar *Instruments and Institutes: Preserving and Promoting the History of Science*, University of Aberdeen Museums.

Josh Nall and Liba Taub co-authored two articles awaiting publication in 2015. One is 'Three-Dimensional Models: Uses and Representation' and will appear in Bernard V. Lightman (ed.), *A Companion to the History of Science* (Chichester: John Wiley). The other article is 'Selling by the book: British scientific trade literature after 1800' in Paolo Brenni, Alison D. Morrison-Low, Sara J. Schechner (eds.), *Trade of Scientific Instruments*, Scientific Instrument and Collections, Vol. 5 (Leiden: Brill).

A digital enhancement grant from the UCM consortium (see 'Grants and Donations') enabled Michael McGovern, Sophie Waring, and Allison Ksiazkiewicz to research various objects within the Whipple's collection and write new content for the Museum's catalogue and new articles for our *Explore* website; these will be online in 2015.

Research into visitors at the Whipple (the Clocking-in Machine experiment) by Niall Caldwell is being cited by scholars and practitioners in other countries as an example of the 'New Museology'.

John Davis visited the Whipple to undertake some XRF analysis of Wh.1264 and other objects within the collection. His analysis confirmed previous research into Wh.0365, which had proposed that a 4-inch silver globe purportedly by Paulus de Furlanis, c. 1575, was, in fact, a modern fake, as earlier suggested by Robert Jenks, in an article, ‘An early Italian globe? A critical study of a terrestrial globe in the Whipple Museum’, in [*The Whipple Museum of the History of Science: Instruments and Interpretations, to Celebrate the 60th Anniversary of R.S. Whipple's Gift to the University of Cambridge*](#) (edited and introduced with Frances Willmoth, Cambridge University Press, September 2006), pp. 211-231. The presence of 2.6% rhodium as a plating agent confirmed the object to have been manufactured in the early twentieth-century.

MPhil Essays and Theses

Jenny Bulstrode	‘Men, mines and machines: Robert Were Fox, the dip-circle and the Cornish system.’
Michael McGovern	‘Stacks, pacs and system hacks: Handheld calculators as an alternative history of personal computing.’
Jess Morley	Robert S. Whipple as collector, donor and historian (1871-1953)
Anna Robinson	‘Educated at the Shrine of Nature’: Eliza Brightwen’s Bible Album and the study of Natural Theology.
Anna Robinson	‘Models of authority: the place of geological models in the visual language of geology.’

Formal and Lifelong Learning

With only eight school groups visiting the Whipple last year, it was clear that links between the National Curriculum and the Museum have to be established and promoted to Primary and Secondary schools. Lorena Bushell, is working on a new ‘Learning’ page for the Museum’s website. She has also developed three sessions (‘Earth and Space’, ‘Light’ and ‘Sound’) which can easily be taught in the galleries through the objects on display and those in the handling collection.

Before Lorena’s appointment in January 2014, the Whipple was already taking part in public engagement programmes through events such as the ‘Science Festival’, ‘Festival of Ideas’, ‘Open Cambridge’ and ‘Twilight at the Museums’. This year we have also contributed to ‘Museums at Night’ which was a great success.

On 18th February and 8th April, the Whipple was visited by groups of UCM work experience pupils. Claire Wallace and Lorena Bushell both gave tours to the pupils and gave short talks to give the pupils an idea about what it is like to work in a small museum.

A successful team of volunteers has been recruited to support Lifelong Learning events. They will help us to both improve the quality of events and increase the scope and capacity for each event.

Grants and Donations

Connecting Collections

As part of the UCM project 'Connecting Collections', the Whipple has had the opportunity to apply for some extra funding for special projects.

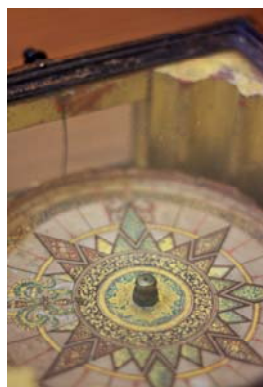
We were successful in the last academic year in gaining £10,000 funding for a Collections Access Project. The main aim of this project was to improve the standard of the Whipple's current database in order to implement an online database of the museum's collection. We hired several post-doctoral researchers and MPhil students on a part-time basis to work on this project. New *Explore* website content and an online database should be available on the Whipple's website in 2015.

We received £500 funding to allow us to be open on occasional weekends throughout the year. We were also awarded an allowance of £800 to support workforce development and attendance at conferences.

The Whipple was also chosen as the venue for the University of Cambridge Museum's Christmas gathering on Wednesday 11th December. This event provided a networking opportunity for all UCM staff and was well attended by all eight of the museums.

Whipple Museum of the History of Science Conservation Fund

Robert S. Whipple's relatives continue to be involved in significant ways 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 grandchildren and other relatives of Robert Whipple, is to be used for the conservation of the collection's objects and archives. So far, the first objects within the collection to have benefitted from this donation are the Portuguese mariner's compass (Wh.0328) and the Herschel telescope (Wh.0012).



The Whipple has continued to receive funding from Connecting Collections for several conservation interns to join us to help with various projects. In December 2013, Kloe Rumsey, Jenny Mathiasson, Carmen Vida and Jenny Marchant helped the Collections staff at the Whipple with the cleaning of objects and preparation of condition reports in advance of the 'Discoveries' exhibition at Two Temple Place. Work on identifying and isolating the plastics within our collection that are starting to degrade began in the spring. This was carried out by conservation interns Cathy Tully and Rebekah Parkinson.

The Whipple's Collections staff, Claire Wallace and Steven Kruse, have been taking advice from conservators at the Scott Polar Research Institute and within Estate Management to improve the storage of objects containing radon paint.

Other Donations

We thank Anita McConnell and the Ann D Foundation for their continuing contributions.

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

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

Two Temple Place, London

Discoveries: Art, Science & Exploration, January-April 2014

Wh.0156	Compound microscope, drum type
Wh.0684	Single-draw brass achromatic refracting telescope
Wh.0723	Compound microscope, Culpepper Nuremburg 'toy' type
Wh.0908	Achromatic compound microscope, horizontal
Wh.1072	Reflecting telescope, gregorian
Wh.1518	Achromatic compound microscope, petrological
Wh.1535	Achromatic compound microscope, petrological
Wh.1785	Compound microscope, Culpepper type
Wh.1800	Compound microscope, side pillar type
Wh.1820	Simple microscope, screw barrel type
Wh.1835	Refracting telescope
Wh.2734	Compound microscope
Wh.2956	Simple microscope, 'Naturalist's magnifier' type
Wh.3802	Photographic portrait of R.S. Whipple
Wh.3836	[Achromatic] compound microscope
Wh.4407	Compound microscope, Cary/Gould type
Wh.5612	'Royal Century' refracting telescope
Wh.5857	6 oil colour Mugglestonian astronomical prints
Wh.6042	The Open University McArthur microscope
Wh.6508	Table orrery

Milton Road Primary School, Cambridge

Loan box, March 2014

HC23	Simple botanical microscope with 13 microscope slides
HC24	Compound microscope

The Fitzwilliam Museum, Cambridge

Conservation Conversations, March 2014

Wh.6013.4	Protractor
Wh.6013.10	Protractor
Wh.6018	Stencil
Wh.6117	Safety goggles
Wh.6189.1	Protractor
Wh.6189.2	Protractor

The Polar Museum, Cambridge

Sea Monsters to Sonar: Charting the Polar Oceans, March-June 2014

Wh.3401	Walker's Harpoon II depth finder, by T. Walker & Son
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Historic Royal Palaces (Kensington Palace), London

Glorious Georges, April 2014-April 2015

Wh.0195	Simple pocket microscope, by George Lindsay
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Fitzwilliam Museum, Cambridge

Discoveries: Art, Science & Exploration, May-July 2014

Wh.0156	Compound microscope, drum type
Wh.0684	Single-draw brass achromatic refracting telescope
Wh.0723	Compound microscope, Culpepper Nuremburg 'toy' type
Wh.0908	Achromatic compound microscope, horizontal
Wh.1072	Reflecting telescope, gregorian
Wh.1518	Achromatic compound microscope, petrological
Wh.1535	Achromatic compound microscope, petrological
Wh.1785	Compound microscope, Culpepper type
Wh.1800	Compound microscope, side pillar type
Wh.1820	Simple microscope, screw barrel type
Wh.1835	Refracting telescope
Wh.2734	Compound microscope
Wh.2956	Simple microscope, 'Naturalist's magnifier' type
Wh.3836	[Achromatic] compound microscope
Wh.4407	Compound microscope, Cary/Gould type
Wh.5857	6 oil colour Muggletonian astronomical prints
Wh.6042	The Open University McArthur microscope
Wh.6508	Table orrery

Royal Museums Greenwich (National Maritime Museum), London

Ships, Clocks & Stars: The Quest for Longitude, July 2014-January 2015

Wh.0328 Portuguese mariner's compass, by Joseph da Costa Miranda

Wh.2339 Portion of Babbage difference engine

Loans in

Topoi, Berlin

Globes, August 2013–ongoing

Replica working model of an ancient globe fragment

New acquisitions

E510	Starfinder and identifier
E511	12-inch topographic Mars globe, with leaflet
E511	12-inch Venus globe, with leaflet
E512	Advertisement (trade card) for Malby Globes
E513	Diffraction grating by J.A. Brashear
E514	Pye portable potentiometer, c.1950
E514	Manometer in fitted box
E519	Instruments from the estate of Andrew Huxley, including microscope, refractometer, unknown laboratory instrument and 2 crates of miscellaneous instrumentation
E522	English brass horary quadrant, possibly from workshop of Henry Sutton
E523	“Service II” microscope, by W. Watson & Sons, 1954
E524	A simple theodolite with tripod stand, by Richard Glynn
Wh.6534	Monochord, by Lenoir & Forster, Austrian, c.1900
Wh.6535	Monochord, Austrian, c.1900
Wh.6536	Electric planetarium projector, “Jupiter Planetarium”, Japanese, c.1960
Wh.6537	Celestial sphere, by Dr Westphals Flaschenhimmel, 1925
Wh.6538	Cornish dip circle, by W. Wilton, plus manuscript letter by R.W. Fox
Wh.6539	12-inch Mercury globe, by Sky & Telescope, 2014
Wh.6540	Set of 42 didactic astronomical cards in card slip case by “M l’Abbe”, late 18 th century
Wh.6541	18-inch Jupiter globe, by Ralph Turner
Wh.6542	Cosmosphere, by Farquhar Transparent Globes, Philadelphia, PA, c.1965
Wh.6543	3D model of the brain, mounted on a wooden baseboard
Wh.6545	Anatomie Clastique Du Dr. Auzoux’, by L. Auzoux, 1839
Wh.6569	Papier-mâché and painted plaster anatomical model of a frog, by Deyrolle
Wh.6570	Oertling precision balance, c.1960
Wh.6571	Portable brass seismoscope in fitted glass cylindrical cover
Wh.6573	Lanternist’s chemical tank

Individuals

Annual Reports of Members of the Department

Anna Alexandrova

This year I held sabbatical leave in Lent 2014 and a CRASSH Early Career Fellowship in Easter 2014. I used this time to work on my book manuscript and give a series of talks in UK and Europe. Using the grant from Newton Trust and Philomathia Program, Jack Wright and I have brought up to date the Philosophy of Economics section of PhilPapers.org of which we are co-editors. I also represented our department in the Cambridge-wide Open Day in July. I am excited to start working with two new PhD students Jack Wright and Hardy Schilgen.

Publications

Articles in journals

Raghavan, Ramesh., and Alexandrova, Anna (2014). 'Toward a Theory of Child Well-Being.' *Social Indicators Research*, 1-16. DOI 10.1007/s11205-014-0665-z.

Alexandrova A. and Northcott, R. (2013) 'It's Just a Feeling: Why Economic Models Do Not Explain' *Journal of Economic Methodology* 20/3:262-267.

Alexandrova A. (2013) 'Doing Well In The Circumstances' *Journal of Moral Philosophy*, 10/3:310-328. DOI: 10.1163/174552412X628814.

Chapters in books

Alexandrova Anna "Well-being" in *Philosophy of Social Science: A New Introduction* eds. Nancy Cartwright and Eleonora Montuschi (Oxford: Oxford University Press, 2014)

Haybron, D. M., & Alexandrova, A. 'Paternalism in economics.' *Paternalism: Theory and practice*, (eds Christian Coons and Michael Weber), (Cambridge: Cambridge University Press, 2013) 157-177

Lectures, seminars and conferences

February 2014

Anna Alexandrova 'Values Fit for Science: The Case of Child Well-being' *Moral Sciences Club*, Cambridge (Feb 4th) and Moral Philosophy Seminar, Oxford (Feb 10th)

March 2014

Anna Alexandrova and Robert Northcott 'Armchair Science' *Erasmus Institute for Philosophy and Economics Seminar*, Rotterdam (Mar 10th)

June 2014

Anna Alexandrova 'What is child well-being?' *Royal Institute of Philosophy Workshop: Time and Well-being*, Birmingham, June 6th 2014

July 2014

Anna Alexandrova and Robert Northcott 'Armchair Science', *British Society for Philosophy of Science*, refereed conference presentation

Public Engagement and Impact

"Getting Tough on Armchair Models" (with Robert Northcott) *The British Journal of Philosophy of Science* Blog, July 30th 2014, <http://thebjps.typepad.com/my-blog/2014/07/armchairmodelsalexandrovanorthcott.html>

Salim Al-Gailani

Publications

Edited works

(with Angela Davis) "Transforming Pregnancy Since 1900," special issue of *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 27 (2014)

Articles in journals

(with Angela Davis), "Introduction: Transforming Pregnancy Since 1900," *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 27 (2014): 229

"Making Birth Defects 'Preventable': Pre-conceptional Vitamin Supplements and the Politics of Risk Reduction," *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 27 (2014): 278

Reviews

Review of *Lamaze: An International History*, by Paula Michaels, *Reviews in History*, September 2014, <http://www.history.ac.uk/reviews/review/1662>

Lectures, seminars and conferences

October 2013

"Maternal Imprinting and the Making of Antenatal Care in Britain around 1900" (paper presented at Imagining the Unborn from the Early Modern Period to the Present conference, University of Marburg, Germany, 10–11 October, 2014)

June 2014

"Chemistry Education: Books and Objects" (paper presented at the Association for the Discussion of the History of Chemistry, University of Cambridge, 2 June 2014)

"When Chemistry Sets Became Toys" (paper presented at the Royal Society of Chemistry Historical Group Meeting: Chemistry as a Hobby, Royal Society of Chemistry, London, 19 June 2014)

July 2014

“Hospitalizing Birth” (paper presented at Reproduction: Antiquity to the Present Day conference, University of Cambridge, 4–5 July 2014)

Public Engagement and Impact

Curated case study on “Kitchen Chemistry” at the Whipple Museum of the History of Science, University of Cambridge, installed August 2014

Blog posts on “Transforming Pregnancy” at *Perceptions of Pregnancy* and *De Partu*, October 2014.

<http://perceptionsofpregnancy.com/2014/10/13/transforming-pregnancy-since-1900/#more-830>

<http://departu.org.uk/2014/10/transforming-pregnancy-since-1900/>

Scott Anthony

I am a Research Associate on the ERC-funded ‘Economics in the Public Sphere’ project based at HPS. Over the past year I have been writing a series of articles about the visualisation of economics in the 1970s and 1980s as part of a larger investigation of ‘everyday’ economic knowledge. I have also been developing a side project about economics and film that will culminate in a series of screenings in March 2015. In 2013/14 I served as an examiner in the History Faculty and was co-convenor of the Public and Popular History seminar at Cambridge and the Public History seminar at the Institute of Historical Research.

Publications

Articles in journals

Scott Anthony and Patrick Russell, “Post-war documentary: A new way forward”, *Journal of British Film and Television*, Vol. 11, No.2 (2014)

Reviews

Scott Anthony review of *History, Heritage and Tradition in Contemporary British Politics: Past Politics and Present Histories* in *Twentieth Century British History* by E. Robinson, *Twentieth Century British History*, Vol.25, No.1 (2014) pp.169-171

Public Engagement and Impact

Advised on, and then wrote, the Royal Mail’s Great British Film Special Stamp issue, April 2014

<http://shop.royalmail.com/great-british-film/great-british-film-presentation-pack/inv/20140503>

Alexi Baker

Alexi Baker was a post-doc on the AHRC-funded project 'The Board of Longitude 1714–1828: Science, Innovation and Empire in the Georgian World' with Professor Simon Schaffer in 2010-2013. She is now an HPS Affiliate and a Mellon/Newton Interdisciplinary Research Fellow at CRASSH in 2013-2015. In addition to her work at CRASSH, Dr Baker is editing and half-authoring the Board of Longitude project book (Palgrave Macmillan 2015) and continues to contribute to the University Library's digitisation project 'Navigating 18th Century Science and Technology: the Board of Longitude'. Dr Baker is convening an interdisciplinary conference on June 18-20, 2015 - *Objects in Motion: Material Culture in Transition* (<http://www.crassh.cam.ac.uk/events/25668>) - for which she has received a conference grant from CRASSH.

Publications

Articles in journals

Alexi Baker, "The Digitization of the Board of Longitude Archives," *The Mariner's Mirror* 100 (2014): 73-74.

Chapters in books

Alexi Baker, "'Humble servants', 'loving friends', and Nevil Maskelyne's invention of the Board of Longitude", in *Maskelyne: Astronomer Royal*, ed. Rebekah Higgitt (London: Hale Books, 2014), 203-228

Reviews

Alexi Baker, review of *From Earth-Bound to Satellite: Telescopes, Skill and Networks* in *British Journal for the History of Science* 47 (2014), 181-182

Lectures, seminars and conferences

November 2013

Alexi Baker, "What is the History & Philosophy of Science?" (an Early Modern Interdisciplinary roundtable discussion with Simon Schaffer, Leah Astbury and Michelle Wallis, at St John's College Cambridge on November 27, 2013)

January 2014

Alexi Baker, "Fashion, entertainment, and the everyday in early modern 'scientific' instruments" (a paper presented at the British Society for Eighteenth-Century Studies 43rd Annual Conference at St Hugh's College Oxford on January 10, 2014)

February 2014

Alexi Baker, "Craft, commerce and community: the 'scientific' instrument trade in early modern London" (a paper presented at the Early Modern Philosophy and the Scientific Imagination seminar at the University of London on February 8, 2014)

April 2014

“Movement and interconnectivity in the ‘scientific’ instrument trade of early modern London” (a pre-circulated paper presented at the workshop “The Landscape of Occupations in Pre-Industrial Britain and Continental Europe, c. 1400-1750” at the University of Exeter on April 8, 2014)

July 2014

“Jane Squire: class, gender, and religion in the search for the longitude” (a paper presented at the Annual Conference of the British Society for the History of Science at St Andrew's University on July 4, 2014)

September 2014

“Early modern ‘science’ and technology in motion” (a paper presented at Larry Stewart's workshop “Spaces of Science” at the University of Saskatchewan on September 5, 2014)

Public Engagement and Impact

“Longitude in Belle”, *Board of Longitude Project Blog*, June 15, 2014,

<http://blogs.rmg.co.uk/longitude/2014/06/15/longitude-belle/>

“Finding latitude in longitude: Parliamentary funding of early modern science & technology”, *History of Parliament Blog*, July 3, 2014, <http://thehistoryofparliament.wordpress.com/2014/07/03/finding-latitude-in-longitude-parliamentary-funding-of-early-modern-science-and-technology/>

Participated in the “Curators on the Gangplank” timed talks public event at the Dark and Stormy Late opening of the National Maritime Museum on July 24, 2014

“Selling toys and tech in 18th-century London”, *Oxford Centre for Life-Writing Blog*, August 6, 2014, <http://oxlifewriting.wordpress.com/2014/08/06/guest-post-alexi-baker-on-science-sales-and-spectacles-in-18th-century-london/>

Debby Banham

Debby had another busy but enjoyable year, with teaching at Madingley Hall (medieval Latin and palaeography) and King's College, London (MA palaeography), a trip to Oxford to celebrate the completion of the Dictionary of Medieval Latin from British Sources, her first full harvest of historic cereals, including rye that was taller than her, the final proofs of her book (nearly 20 years in the making) on Anglo-Saxon farming, and, at the end of September, another trip to Oxfordshire to film monastic sign language for a TV series on medieval monasticism. All this plus Latin Therapy, where we read about some very peculiar animals (barnacle goose, walrus, pangolin).

Publications

Chapters in books

Debby Banham, “Animal husbandry”, in *The Wiley Blackwell Encyclopedia of Anglo-Saxon England*, ed. Michael Lapidge *et al.* (Chichester: Wiley, 2013), 40–2

Debby Banham, “*Lectun* and *orceard*: a preliminary survey of the evidence for horticulture in Anglo-Saxon England”, in *The Anglo-Saxons: The World through their Eyes*, ed. Gale R. Owen-Crocker and Brian W. Schneider, BAR British Series 595 (Oxford: Archaeopress, 2014), 33–48

Debby Banham, “Medicine at Bury in the time of Abbot Baldwin”, in *Bury St Edmunds and the Norman Conquest*, ed. Tom Licence, (Woodbridge: Boydell, 2014), 226–46

Lectures, seminars and conferences

April 2014

Debby Banham, ‘Women’s work in Anglo-Saxon farming’ (paper presented at the Womanhood in Anglo-Saxon England conference, Manchester Centre for Anglo-Saxon Studies, 15–17 April, 2014)

May 2014

Debby Banham, ‘Gender and food production in early medieval England’ (paper presented at the Gender and History Seminar, University of Cambridge, 22 May, 2014)

July 2014

Debby Banham, ‘The earliest English culinary recipes? Dietary advice in Old English medical collections’ (paper presented at the Medieval Taste conference, Durham Centre for Medieval Studies, 5–6 July, 2014)

Public Engagement and Impact

“Making a living in the early middle ages”, University of Cambridge sixth-form conference, Wrexham, 8 January 2014

‘Early medieval Cambridge’ walk, Sutton Trust Anglo-Saxon, Norse and Celtic Summer School, 15 July 2014

‘The first thousand years of handwriting in England’ (talk to Saffron Walden Museum Society, 8 September 2014)

Alex Broadbent

Alex received a University of Johannesburg Vice Chancellor’s Distinguished Award for Most Promising Young Researcher of the Year in November 2013. He was awarded an National Research Foundation of South Africa P-rating at the end of 2013 (highest for career stage) and received an Elsevier Young Scientist Award. He was elected to the South African Young Academy of Sciences in November 2013 and served as Co-Chair 2013-2014. He was Head of the Department of Philosophy Jan-Dec 2014 and took on a three-year term as Vice Dean Research for the Faculty of Humanities in May 2014, both at the University of Johannesburg.

Lectures, seminars and conferences

October 2013

Alex Broadbent, ‘Epidemiological Evidence in Law’ (paper presented at seminar in University of Birmingham)

November 2013

Alex Broadbent, ‘What is a Good Prediction?’ (paper presented at seminar in Washington University, St Louis).

Alex Broadbent, ‘Causation, Explanation and Population Health’ (paper presented at Columbia University Epidemiology Seminar Series)

Alex Broadbent, 'Statistical Evidence in Law' (paper presented at HPS seminar in University of Toronto)

January 2014

Alex Broadbent, 'Health as a Secondary Property' (paper presented at Philosophical Society of Southern Africa Annual Conference, Bloemfontein)

June 2014

Alex Broadbent, 'Risk Relativism and Physical Law' (paper presented at workshop on Prediction in Epidemiology and Healthcare at King's College, London)

July 2014

Alex Broadbent, 'Is Stability a Stable Category in Medical Epistemology?' (paper presented at New Thinking About Scientific Realism conference, Cape Town)

August 2014

Alex Broadbent, 'Stability in Epidemiological Research: Epidemiologists Playing Their Part' (paper presented at the World Congress of Epidemiology, Anchorage).

Alex Broadbent, 'Defining Measures of Causal Strength' (paper presented at the World Congress of Epidemiology, Anchorage).

Public Engagement and Impact

Comments on various public health matters on philosepi.wordpress.com

Co-organiser of conference *Science and Society in Africa*, Cape Town

Member of the South African Young Academy of Sciences (and Co-Chair 2013-2014)

Tatjana Buklijaš

Tatjana Buklijaš is a research fellow at Liggins Institute, University of Auckland. She also teaches a course on *Heredity, development and evolution* to third-year medical students and an annual symposium on evolutionary medicine to second-year medical students in the Faculty of Medical and Health Sciences, University of Auckland. Following the birth of her son Mark Chong Lee in July 2013, she was on maternity leave until March 2014.

Publications

Articles in journals

Tatjana Buklijaš, "Food, growth and time: Elsie Widdowson's and Robert McCance's research into prenatal and early postnatal growth," *Studies in History and Philosophy of Biomedical and Biological Sciences* 47(2014): 267

Reviews

Review of *For Better or for Worse? Collaborative Couples in the Sciences*, Birkhäuser, 2012, edited by Annette Lykknes, Donald L. Opitz & Brigitte van Tiggelen. *British Journal for the History of Science* 47(2014), 749

Review of *Imaging and Imagining the Fetus: The Development of Obstetric Ultrasound*, Johns Hopkins University Press, 2013, by Malcolm Nicolson & John E. E. Fleming. *Social History of Medicine* (2014), doi: 10.1093/shm/hkt116

Review of *The Body Divided: Human Bodies and Human 'Material' in Modern Medical History*, Ashgate, 2011, edited by Sarah Ferber & Sally Wilde, Ashgate, 2011. *Isis* 104(2013), 852

Lectures, seminars and conferences

October 2013

Tatjana Buklijaš, “Sex, eggs and maternal influences: politics of sex determination in fin-de-siècle Vienna”, Paper presented at conference *Imaginationen des Ungeborenen: Kulturelle Konzepte pränataler Prägung von der frühen Neuzeit zur Moderne*, Philipps-Universität Marburg, Germany, 10–11 October 2013

Soraya de Chadarevian

Publications

Edited works

Jenny Bangham and Soraya de Chadarevian, Populations and Human Heredity after 1945. Special issue, guest-edited with J. Bangham, *Studies in History and Philosophy in the Biological and Biomedical Sciences* 47 (2014), 45-190

Articles in journals

Soraya de Chadarevian, “Chromosome surveys of human populations: Between epidemiology and anthropology,” *Studies in History and Philosophy in the Biological and Biomedical Sciences* 47 (2014), 87-96

Jenny. Bangham and Soraya de Chadarevian, “Human heredity after 1945: Moving populations centre stage,” *Studies in History and Philosophy in the Biological and Biomedical Sciences* 47 (2014), 45-49

Soraya de Chadarevian, “Things and the archives of recent sciences,” *Studies in History and Philosophy* 44 (2013), 634-638

Chapters in books

Soraya de Chadarevian, “Putting human genetics on a solid basis: human chromosome research, 1950s-1970s,” in *Human Heredity in the Twentieth Century*, ed. Bernd.Gausemeier, Staffan .Müller-Wille and Edmund Ramsden, (London: Pickering & Chatto Publishers 2013), pp. 141-152

Reviews

Soraya de Chadarevian, review of *Life out of Sequence: A Data-Driven History of Bioinformatics*, by Hallam Stevens, *Journal of the History of Biology*, 47 (2014), 495-496

Lectures, seminars and conferences

October 2013

Soraya de Chadarevian, “The future historian: reflections on the archives of contemporary sciences,” (keynote lecture presented at the Wellcome Library Symposium Making the History of the Postwar Life Sciences: Methods, Sources, and Opportunities, London, October 26, 2013).

October / November 2013

Soraya de Chadarevian, Final commentator at workshop Historizing big data (Max Planck Institute for the History of Science, Berlin, October 31 – November 2, 2013).

November, 2013

Soraya de Chadarevian, Commentator, at session “Managing risk and uncertainty in postwar biomedicine,” (History of Science Society Annual Meeting, Boston, 21-24 November, 2013)

December 2013

Soraya de Chadarevian, Commentary on Warwick Anderson, “The frozen archive, or defrosting Derrida” and Matthew Chrulew, “Freezing the ark: the cryopolitics of endangered species preservation,” (workshop Defrost: New Perspectives on Time, Temperature and Survival, Melbourne, 13-15 December, 2013).

April 2014

Soraya de Chadarevian, “Following chromosomes: human heredity in the atomic age,” (paper presented in the seminar series “Entanglements of Instruments and Media in Investigating Organic Worlds,” York University, Toronto, April 1, 2014).

April 2014

Soraya de Chadarevian, “Heredity under the microscope: human chromosomes, 1950s-1970s,” (paper presented at History of Medicine and Medical Humanities Research Forum, University of California, Los Angeles, April 25, 2014).

May 2014

Soraya de Chadarevian, “Heredity and the study of human populations after 1945,” (paper presented at the Johns Hopkins History of Medicine Seminar, Baltimore, May1, 2014).

June 2014

Soraya de Chadarevian, Final commentator (commentary presented at conference “In-n-out of California: circulating things and the globalization of the West Coast - take 2,” Drexel University, Philadelphia, June 16-17, 2014).

Soraya de Chadarevian, “How biologists learnt to love computers,” (paper presented at the conference From in vitro to in silico: computer simulation in the life sciences, Institute for Advanced Study on Media Cultures of Computer Simulations (mecs), Lueneburg, Germany, June 19-21, 2014).

Public Engagement and Impact

Interview for /ATOMIC Radio/ where the science of x-ray crystallography meets art and science. Episode 5: Inside the myoglobin of a whale, directed by Emily Candela (Science Museum/ V&A). Broadcast as part of Science Museum Art Program, London, Resonance 104.4 FM, 20 June 2014, 4:30 GMT and online as a podcast on atomicradio.org <<http://atomicradio.org>>.

Hasok Chang

This is my fourth year in post in HPS, during which I maintained a full schedule of activities both inside and outside the department.

It was a significant year for public engagement and international recognition. I received the Fernando Gil International Prize in the philosophy of science, given by the Portuguese government and the Gulbenkian Foundation, for my book *Is Water H₂O?* (2012), and delivered the prize lecture in Lisbon in March 2014. I conceived and delivered a 12-part television lecture series titled *Science Meets Philosophy*, which was broadcast in the spring of 2014 on EBS-TV (Educational Broadcasting System), a national channel in South Korea; this was an introduction to the philosophy and history of science for the public, and I also completed the manuscript of a book based on the series. In March/April 2014 I spent three weeks as a short-term visiting professor for the “DK-Plus” doctoral programme in science studies at the University of Vienna. Various speaking engagements took me to Greece, Portugal, Germany, Austria, the Netherlands, the United States, Brazil and South Korea, as well as various locations in the UK.

In professional service, I continued as President of the British Society for the History of Science, completing my 2-year term on 1 September 2014. I also continued in my key roles in the Society for Philosophy of Science in Practice, in the International Committee for Integrated HPS (which held its 5th biennial conference in Vienna in June 2014), and in the UK Network for Integrated HPS (which held its 9th annual workshop in Leeds in April 2014). I have continued to serve on the governing Council of the Society for History of Alchemy and Chemistry. From January 2014 I have served on the Nominating Committee for the Philosophy of Science Association.

Within Cambridge I jointly led the Cambridge Philosophy of Science (CamPoS) network in its second year of activity, including the weekly seminar series. My collaborative agreement with the Department of Chemistry continues. With the impetus of the academic visits of Prof. David Teplow and Prof. Stuart Firestein to HPS for the in 2013–14 academic year, I have started up the Coffee with Scientists reading group, which has attracted the attention of many scholars in HPS and many other departments/faculties. Within HPS I continue to play a leading role in the running of AD HOC (history of chemistry) and the Philosophy and History of Physics reading group.

In the administration of the Department, I served as Part IB Senior Examiner, Dignity Officer (along with Liba Taub), Paper 8 Manager, and Paper 6 Co-manager (with Marion Godman); while Anna Alexandrova was on leave I also filled in as the Graduate Training Coordinator, and oversaw the overhaul of the Graduate and Postdoc Training programme. I also represented HPS on the PBS Tripos Management Committee, and served

as the external DoS for HPS at St Catharine's College. In classroom teaching I delivered a full load of lectures (10 for Part IB, 7 for Paper 6, 12 for Paper 8), and all of the Paper 8 Primary Source teaching including supervisions. I also did my share of teaching and supervisions for Part III, MPhil and PhD students.

Publications

Books

Hasok Chang, *온도계의 철학* (Seoul, 동아시아, Oct. 2013), Korean translation of *Inventing Temperature* (2004).

Articles in journals

Hasok Chang, "Pluralism as a New Framework for Integrated HPS", *과학철학 (Korean Journal for the Philosophy of Science)* 17:2 (July 2014), 153–173.

Chapters in books

Hasok Chang, "Thermal Physics and Thermodynamics", in Jed Z. Buchwald and Robert Fox, eds., *The Oxford Handbook of the History of Physics* (Oxford: Oxford University Press, 2013), 473–507

Hasok Chang, "Complementary Chemistry", in Jean-Pierre Llored, ed., *The Philosophy of Chemistry: Practices, Methodologies, and Concepts* (Newcastle: Cambridge Scholars Publishing, 2013), 465–476

Hasok Chang, "Epistemic Activities and Systems of Practice: Units of Analysis in Philosophy of Science After the Practice Turn", in Léna Soler, Sjoerd Zwart, Michael Lynch and Vincent Israel-Jost, eds., *Science After the Practice Turn in the Philosophy, History and Social Studies of Science* (London and Abingdon: Routledge, 2014), 67–79

Lectures, seminars and conferences

October 2013

"Summary and Commentary", closing remarks at the conference "Edinburgh 300: Cradle of Chemistry — The First Hundred Years of Chemistry at the University of Cambridge", at the Royal Society of Edinburgh, 24 October 2013.

"What Characterized my Stanford Philosophy-of-Science Education and Experience?", for the "Next Generation(s)" panel, conference on the Stanford School of the Philosophy of Science, at Stanford University, USA, 25 October 2013 (by videoconference)

November 2013

"The Creation of New Concepts: Between Measurement and Metaphor", keynote address for the conference "Experimental Cultures: Modes of Scientific Existence" ("Culturas Experimentais: Modos de Existência Científica"), University of Évora, Portugal, 29 November 2013

December 2013

“잊혀진 과학지식의 재현 (The Re-creation of Forgotten Scientific Knowledge)”, at Yonsei University (융합기술연구소, 연세대학교), Seoul, South Korea, 11 December 2013

과학, 철학을 만나다 (*Science Meets Philosophy*), a series of 12 lectures for EBS television, recorded with live audiences on 10–20 December 2013

February 2014

“The Progress and Foundations of Scientific Knowledge: Popper, Kuhn and Beyond”, Philosophy of Science Seminar, Dept of Philosophy, University of Edinburgh, 6 February 2014

March 2014

“The Many Uses of the History of Science”, presentation at the opening symposium of the Stevin Center for History of Science and Humanities, VU Amsterdam, 18 March 2014

“Realism in the Context of Chemistry”, Workshop on Scientific Realism, Fundação Calouste Gulbenkian, Lisbon, 20 March 2014

“History and Philosophy of Science in the Service of Scientific Pluralism”, Fernando Gil International Prize Lecture, at the Fundação Calouste Gulbenkian, Lisbon, 20 March 2014

“Bringing History and Philosophy of Science Back Together”, SAHFC/CIUHCT, University of Lisbon, 21 March 2014

April 2014

“Respecting Past Science”, to Sonia Horn’s graduate seminar at the Medical University of Vienna, 7 April 2014

“Temperature: From Quality to Quantity”, KLI Colloquium, Konrad Lorenz Institute, Vienna, 8 April 2014

Discussion of “Putting Science Back in History of Science”, DK-plus PhD Programme in science studies, University of Vienna, 9 April 2014

May 2014

“Can We Make Sense of Measurement outside of a Realist Framework?”, at the workshop “Experiment, Conceptual Change, and Scientific Realism”, University of Athens, 2 May 2014

“Philosophy of Science: Philosophy as Complementary Science”, in the seminar series “Approaches to Philosophy”, Dept of Philosophy, Birkbeck College, London, 6 May 2014

June 2014

“From Epistemic Iteration to Pluralism concerning Epistemic Objects”, invited talk at the conference

“Mathematising Science: Limits and Perspectives II”, University of East Anglia, Norwich, 1 June 2014

July 2014

“The Rising of Chemical Natural Kinds Through Epistemic Iteration”, International Society for the Philosophy of Chemistry Summer Symposium, at the London School of Economics, 8 July 2014

“From Incommensurability to Pluralism”, for the conference “Science — The Big Questions Revisited” (in honour of Paul Hoyningen-Huene), at the Leibniz Universität Hannover, 18 July 2014

“Is Water H₂O?”, for the summer school “Plato’s Academy: Pathways to Knowledge”, Athens, 22 July 2014

August 2014

“Science, Philosophy and History”, China–UK Development Centre Academic Seminar Summer School, at Clare Hall, Cambridge, 19 August 2014

“The Transmission of the Battery in Europe and America”, at “Crossing Oceans”, CESIMA Anno XX conference, PUC-SP, São Paulo, 25 August 2014

September 2014

“What Does Pluralism Tell Us About How To Do Philosophy of Science?”, keynote talk for the conference “Approaches within Philosophy of Science”, UCL, 3 September 2014

“Volta, Batteries, and the Marvels of Current Electricity”, International Conference on the History of Physics, sponsored by the Institute of Physics, at Trinity College, Cambridge, 4 September 2014

Public Engagement and Impact

과학, 철학을 만나다(*Science Meets Philosophy*, in Korean): a series of 12 hour-long lectures for EBS-TV (Educational Broadcasting System), a state-run national channel in South Korea, broadcast weekly from 22 February 2014. <http://home.ebs.co.kr/sciencephilosophy/main>

“Why is Oxygen Called Oxygen?”, for the annual “Science for the 21st Century” lecture series, Northfield Mount Hermon School, Massachusetts, 25 February 2014

“Science, Philosophy, and Common Sense” (all-school assembly), for the annual “Science for the 21st Century” lecture series, Northfield Mount Hermon School, Massachusetts, 26 February 2014

“Inventing Temperature”, for the event “Think In Art: What Is Artistic Research?”, to support the art exhibit “Inventing Temperature” at the Korean Cultural Centre (inspired by my book of the same title, partly based on an interview in Cambridge 15 May 2014), London, 31 July 2014

Gloria Clifton

I am an affiliated research scholar of the Department of History and Philosophy of Science of the University Cambridge, as well as being an emerita curator of the National Maritime Museum, Royal Museums Greenwich, London SE10 9NF.

I am a Member of Council for the Hakluyt Society and one of three series editors for the volumes published by the Society, detailed below.

I am also a Fellow of the Society of Antiquaries and an honorary member of the Scientific Instrument Society.

Publications

Edited works

James R. Gibson and Alexei A. Istomin, with the assistance of Valery A. Tishkov, trans and eds; Gloria C. Clifton, Joyce Lorimer and William R. Ryan, series eds, *Russian California, 1806-1860. A History in Documents*, 2 volumes. (Farnham, Surrey: Ashgate for the Hakluyt Society, 2014)

Articles in journals

Gloria C. Clifton, "British Scientific Instrument Makers 1851-1914", *Bulletin of the Scientific Instrument Society* 120 (March 2014), 2-11

Lectures, seminars and conferences

November 2013

Gloria C. Clifton, "British Scientific Instrument Makers 1851-1914", the Gerard Turner Medal Lecture for the Scientific Instrument Society, 22 November 2013

Public Engagement and Impact

The lecture for the Scientific Instrument Society in November 2013 was a public lecture, with non-members present. I have also acted as a volunteer at the National Maritime Museum, including informal mentoring of interns and answering public enquiries.

Helen Anne Curry



This year was my second in the department, and a very busy one. The highlight was introducing, with the help of my colleagues, a Part II paper on the history of science and technology in the twentieth century. I was also able to begin a new research project on the history of efforts to conserve genetic diversity, and to share this work in a number of seminars. In addition to my teaching and research, I continued to serve on the Cambridge Forum for Sustainability and Environment and perform various roles as a fellow of Churchill College.

Publications

Articles in journals

Helen Anne Curry, "Industrial Evolution: Mechanical and Biological Innovation at the General Electric Research Laboratory," *Technology and Culture* 54, no. 4 (October 2013): 746–781

Helen Anne Curry, "Radiation and Restoration; or, How Best to Make a Blight-Resistant Chestnut Tree," *Environmental History* 19, no. 2 (April 2014): 217–238

Helen Anne Curry, "From Garden Biotech to Garage Biotech: Amateur Experimental Biology in Historical Perspective," *British Journal for the History of Science* 47, no. 3 (September 2014): 539–565

Reviews

Helen Anne Curry, review of Sally Gregory Kohlstedt and David Kaiser (eds.), *Science and the American Century: Readings from Isis* (Chicago: University of Chicago Press, 2013), in *Social History of Medicine* 27, no. 1 (February 2014): 183–185.

Lectures, seminars and conferences

November 2013

"Atoms in Agriculture" (paper presented at the Agrarian Studies Colloquium, Yale University, 1 November 2013)

January 2014

"Tinkering with Genes and Chromosomes in the Lab and Garden," (lecture for the Egenis/Symbiology Seminar Series, University of Exeter, 28 January 2014)

February 2014

"Endangered Crops: Agricultural Crises and Genetic Conservation in 20th Century America," (lecture at the Centre for the History of Science, Technology, and Medicine, University of Manchester, 4 February 2014)

"Hybrid Corn and Endangered Maize: Historical Perspectives on the Conservation of Plant Genetic Resources" (lecture for the Cambridge Conservation Seminar, University of Cambridge, 26 February 2014)

March 2014

"X-rayed Maize and Mutant Marigolds: A History of Early Plant Biotechnologies and their Popular Reception" (lecture at the Institute for the History of Medicine and Science, University of Valencia, 25 March 2014)

"From Garden Biotech to Garage Biotech," (seminar at the Centre for History of Evolutionary Studies, Department of Science and Technology Studies, University College London, 29 March 2014)

June 2014

"Artificial Mutation and Natural Evolution" (plenary talk at the workshop "The 'Artificial' and the 'Natural' in the Life Sciences, c. 1850–1950," University of Exeter, 26–27 June 2014)

"Creation versus Conservation: Competing Strategies for the Management of Genetic Diversity in Twentieth Century Agriculture" (invited contribution to the symposium "Nurturing Genetics: Reflections on a Century of Scientific and Social Change," University of Leeds, 30 June – 2 July 2014)

July 2014

"Atoms in Agriculture: Nuclear Science as Agricultural Outreach in the United States, 1945–1960" (lecture at the Munich Center for Technology in Society and Deutsches Museum (Munich), 14 July 2014)

September 2014

"Corn, Conservation, and the Cold War: American Efforts to Preserve Plant Genetic Diversity, 1940–1965" (conference paper at European Society for the History of Science Conference, Lisbon, Portugal, 4–6 September 2014)

Patricia Fara

Publications

Articles in journals

Patricia Fara, “A temporary liberation,” *Nature* 511 (3 Jul 2014): 25-7

Patricia Fara, “A Social Laboratory,” in *History Today* (Feb 2014): 43-9

Reviews

Patricia Fara, “Collecting Cuttlefish on Lesbos,” review of *The Lagoon: How Aristotle Invented Science*, by Armand Leroi, *Literary Review*, Aug 2014

Patricia Fara, Review of *Magnificent Principia: Exploring Isaac Newton’s Masterpiece*, by Colin Pask, *Physics World*, Feb 2014

Patricia Fara, “Scraping off the Whitewash,” review of *Serving the Reich: The Struggle for the Soul of Physics under Hitler*, by Philip Ball, *Los Angeles Review of Books*, March 31, 2014

<http://lareviewofbooks.org/review/scraping-whitewash>

Patricia Fara, Review of *Galileo: Watcher of the Skies*, by David Wootton, *BBC History*, March 2014, p. 71

Patricia Fara, Review of *Before Galileo: The Birth of Modern Science in Medieval Europe*, by John Freely

Lectures, seminars and conferences

September, 2014

Patricia Fara, “A lab of one’s own? Women and science in World War I” (Keynote address at WISRnet conference, Royal Society)

July 2014

Patricia Fara, “Philosophy, plants and power in Hanover-upon-Thames” (Georgian Princesses conference, Hampton Court)

Public Engagement and Impact

I have given several public lectures, including: “Newton & Newtonianism”, presented to the Manchester Literary & Philosophical Society and also to the Lichfield Science Society; and “4000 years in 400 pages”, presented at the Grantham Festival of Light; “Electricity in the eighteenth century” for a public audience at Kew Gardens.

I have featured in several radio and TV programmes. These include: being interviewed about Hasok Chang and HPS for Korean TV; being interviewed in a London studio for a BBC documentary on Einstein & 20th-century scientists; contributing to an *In our Time* (Radio 4) programme about the History of the Eye.

On popular books: I edited Usborne’s *The Story of Science* (a children’s book on the history of science)

John Forrester

In Michaelmas Term, John Forrester and Peter Mandler (Faculty of History) were joint Mellon Teaching Fellows, CRASSH, University of Cambridge, where they led a Research Seminar on 'The Uses of Psychoanalysis'. From January 2014 to September 2014 he was on Research Leave.

He continued to chair the Department's REF Unit of Assessment Committee, overseeing the Department's REF submission in the autumn of 2013.

Publications

Chapters in books

'Foucault's Face: The Personal is the Theoretical' in: James D. Faubion (ed.), *Foucault Now. Current Perspectives in Foucault Studies* (Cambridge: Polity, 2014) pp. 112-128

'Wenn *p* was dann? In Fällen denken' in: Susanne Düwell and Nicolas Pethes (eds.), *Fall. Fallgeschichte. Fallstudie. Theorie und Geschichte einer Wissensform* (Frankfurt/New York: Campus Verlag, 2014) pp. 139-167 (A translation of 'If *p*, then what? Thinking in cases' *History of the Human Sciences* 9.3 (1996), pp. 1-25)

Other Publications

'Editorial' *Psychoanalysis and History* 16(2) (2014): 133-6

'Editorial' *Psychoanalysis and History* 16(1) (2014): 1-4

Lectures, seminars and conferences

'Sites of the Unconscious: Hypnosis and the Emergence of the Psychoanalytic Setting' (Author's talk: Andreas Mayer introduced by John Forrester, Freud Museum, London, 28 October 2013)

'Freud in Bloomsbury' (Talk, Freud Museum, London, 8 November 2013)

'Politics in a new psychoanalytic key in the work of Robert J. Stoller: sexual excitement, perversions and gender' (Paper given to Conference, 'Psychoanalysis and History in the Postwar Period' A New York Area Consortium for Intellectual and Cultural History Conference, The Heyman Center, Columbia University, NY, April 4-5, 2014)

Clare Griffin

From November 2013 I have been a member of the Early Slavic Studies Book Prize Committee, which awards an annual prize to a translation of an Early Slavic text or a monograph on an Early Slavic Studies topic.

Lectures, seminars and conferences

November 2013

“The Russian State and the Early Modern Drug Trade”, (paper presented at the *Wellcome Trust Unit for the History of Medicine Departmental Seminar Series* ‘Structures of Medical Knowledge’, University of Oxford [Invited], November 4, 2013)

January 2014

“Foreign Medicines between Western Europe and Russia, 1550-1750”, (paper presented at the workshop *Trading Medicines: The Global Drug Trade in Perspective*, London School of Economics, January 10, 2014)

May 2014

“Unseen Editors: The Importance of Latin-Russian Translators in the Exchange of Medical Knowledge in Seventeenth-Century Russia”, (paper presented at the workshop *Cultures of Translation: Practices of Adaptation and Translation in the Slavic Cultures between the Fourteenth and the Seventeenth Centuries*, University of Manchester, May 16, 2014)

June 2014

“Global Medicine? The Early Modern Drug Trade and Muscovy”, (paper presented at the workshop *Continuity and Change in Russian Therapy*, University of Oxford [Invited], June 5-6, 2014)

“Is That a Magic Herb?’ The Role of European Science in 17th-Century Russian Witchcraft Trials”, (paper presented at the seminar series *Global Science, Centre for Research in the Arts, Social Sciences and Humanities* (CRASSH), University of Cambridge [Invited], June 10, 2014)

July 2014

“Medicine or Poison? Strong Medicines and Fears of Poisoning at the Seventeenth Century Russian Court”, (paper presented at the *Society for the Social History of Medicine Annual Conference*, University of Oxford, July 10-12)

September 2014

“Foreign Expertise and Knowledge Exchange in the Seventeenth-Century Chancery System”, (paper presented at the symposium *Information Technologies and Transfer in Russia, 1450-1850*, University of Cambridge, September 5-6 2014)

Public Engagement and Impact

Consultant and Translator, *Windmill Books*. Advice on the content of the magazine series ‘Russia’s Greatest Battles’ and ‘100 Great Moments in Our [Russia’s] History’. Source and translate documents for the same. 2012-present.

Editor, *H-Net Early Slavic* Posting on and moderating an e-mail list, maintaining a web page of links to resources relevant to Early Slavic Studies, which is open to both academics and the public. 2014-present. <https://networks.h-net.org/h-earlyslavic>

Editor of and contributor to the thematic series 'Russian Recipes', on *The Recipes Project Blog*, July 2014.

<http://recipes.hypotheses.org/thematic-series/russian-recipes>

Co-translator with the rest of the Latin Therapy group of, and introducer to an autopsy text on the *Latin Therapy Blog*, February 14, 2014, <http://latintherapy.blogspot.co.uk/2014/02/poison-or-plague-in-st-petersburg.html>

Vanessa Heggie

In late 2013 Vanessa was awarded a Visiting Fellowship at the Sydney Centre for the Foundations of Science, and will be spending three months there in 2015 working with Prof. Warwick Anderson on topics relating to physiology and race. She was also asked to be a member of the judging panel of the History of Science Society's Suzanne J. Levinson Book Prize, and successfully applied to become the Book Review Editor of *Social History of Medicine*.

Publications

Books

Vanessa Heggie, *A History of British Sports Medicine* (Manchester: Manchester University Press, 2013) – Paperback edn.

Articles in journals

Vanessa Heggie, "Critiques & Contentions: Why Isn't Exploration a Science" *Isis* 105(2014): 318-334

Chapters in books

Vanessa Heggie, "Subjective Sex: Science Medicine and sex tests in sport" in *Routledge Handbook of Sport, Gender and Sexuality*, ed. J. Hargreaves and E. Anderson (London: Routledge, 2014), 339-347

Vanessa Heggie, "Making Histories: Sport, Science, Medicine" in *Making Sport History: Disciplines, Identities, and the Historiography of Sport*, ed. P. Delheye (London: Routledge, 2014), 216-223

Reviews

Vanessa Heggie, "Strong Beautiful and Modern" review of *Strong Beautiful and Modern: National Fitness in Britain, New Zealand, Australia and Canada* by Charlotte MacDonald, *Pacific Historical Review* 33(2014): 720-2

Vanessa Heggie, "Therapeutic Landscapes" review of *Therapeutic Landscapes: A History of English Hospital Gardens since 1800* by Clare Hickman, *Social History* 39(2014): 276-7

Vanessa Heggie, "Health and Girlhood in Britain" review of *Health and Girlhood in Britain, 1874-1920* by Hilary Marland, *Social History of Medicine* 27(2014): 624-6.

Lectures, seminars and conferences

November 2013

"Higher and Colder: The success and failure of boundaries in high altitude and Antarctic research stations" (paper presented at *Homes for Science: The anthropology of tropical and Arctic field stations* in Finse, Norway)

April 2014

With R. Higgitt “Challenging Audiences; lessons from blogging at the intersection of history and science”
(paper presented at the *Institute of Historical Research*, London)

Public Engagement and Impact

Public Lecture: “The Long History of Medicine: Response to Alice Robert’s *The Incredible Human Journey*”
GRAB (Great Read At Birmingham) Conference, March 2014

Podcast: “The History of Expedition Physiology” *Ideas Predictor Podcast* <https://audioboo.fm/boos/1843101-dr-vanessa-heggie-expedition-physiology-the-history-of-medical-research>, February 2014

Blog Posts:

“Doping and the 1966 World Cup” *H-Word, Guardian*, 12 June 2014, <http://www.theguardian.com/science/the-h-word/2014/jun/12/doping-and-the-1966-world-cup>

“Forget Testosterone, there’s another ‘T’ we need to tackle to make sport fair” *H-Word, Guardian*, 30 April 2014 <http://www.theguardian.com/science/the-h-word/2014/apr/30/forget-testosterone-theres-another-t-we-need-to-tackle-to-make-sports-fair>

“Five ways to fund the NHS that Reform might like to consider” *H-Word, Guardian*, 31 Mar. 2014 <http://www.theguardian.com/science/the-h-word/2014/mar/31/five-ways-to-fund-the-nhs-that-reform-might-like-to-consider>

“Giving away your data: from Galton and Google to care.data” *H-Word, Guardian*, 3 February 2014, <http://www.theguardian.com/science/the-h-word/2014/feb/03/giving-away-your-data-from-galton-and-google-to-caredata>

“Body Mass Index: the dieters’ bogeyman discovered by a Belgian astronomer-mathematician” *H-Word, Guardian* 16 Jan 2014 <http://www.theguardian.com/science/the-h-word/2014/jan/16/body-mass-index--discovered-by-a-belgian-astronomer->

“More Science of Ripper Street” *H-Word, Guardian*, 16 Dec. 2013, <http://www.theguardian.com/science/the-h-word/2013/dec/16/more-victorian-science-of-ripper-street>

“World AIDS Day: how AIDS activists changed medicine” *H-Word, Guardian*, 1 Dec. 2013, <http://www.theguardian.com/science/2013/dec/01/world-aids-day-how-aids-activists-changed-medical-research>

“Should Nobel Prizes go to theorists or to Experimenters? Scurvy vs. the Higgs Boson” *H-Word, Guardian*, 12 Oct 2013 <http://www.theguardian.com/science/the-h-word/2013/oct/12/theory-vs-experiment-higgs-scurvy>

“Happy Birthday to Ida H Hyde” *H-Word, Guardian* 8 September 2013
<http://www.theguardian.com/science/the-h-word/2013/sep/08/ida-henrietta-hyde-anniversary-physiologist>

“Summer Holidays and the History of Science” *H-Word, Guardian* 22 August 2013
<http://www.theguardian.com/science/the-h-word/2013/aug/22/vacation-holiday-history-science-medicine>,

Nick Hopwood

Nick Hopwood was promoted to Reader in History of Science and Medicine, with effect from October 2014. He served as director of graduate studies (including chairing the HPS degree committee and sitting on the School graduate committee) and continued to manage our Wellcome Trust strategic award on ‘Generation to Reproduction’, which will now run for an extra two years, till 30 September 2016. With Rebecca Flemming and Lauren Kassell he signed a contract with CUP for the main output from this grant, a large edited book on *Reproduction: Antiquity to the Present*. He saw his own *Haeckel’s Embryos: Images, Evolution and Fraud* through the press, for publication by Chicago in February 2015. He completed a stint as external examiner for BSc and MSc courses at CHSTM, University of Manchester, and continued as a member of the Wellcome Trust Medical Humanities and Social Science Selection Panel, which involved five days of interviews this year; he was also co-opted for one day onto the Trust’s Medical Humanities Interview Committee for research fellowships. He rejoined the editorial board of *Annals of History and Philosophy of Biology*.

Publications

Reviews

Nick Hopwood, review of *Imaging and Imagining the Fetus: The Development of Obstetric Ultrasound*, by Malcolm Nicolson and John E. E. Fleming, *Medical History* 58 (2014): 450-452.

Lectures, seminars and conferences

June 2014

Sarah Franklin, Nick Hopwood and Martin Johnson, organized ESRC-funded *IVF Histories and Cultures Seminar 1*; own talk on “What Did Robert Edwards See When He Looked at Embryos?” (Christ’s College, Cambridge, June 23–24, 2014)

July 2014

Lauren Kassell, Nick Hopwood and Rebecca Flemming, organized authors’ workshop for *Reproduction: Antiquity to the Present* (Department of HPS, University of Cambridge, July 3–5, 2014)

Sonia Horn

EC- Mobility Grant by “ICARUS – International Centre of Archival Research” to support a visiting fellowship at Clare Hall Cambridge Octore 2014 – April 2015 (granted in Spring 2014)

Publications

Books

Sonia Horn, Bader, Medicus, Primar. Begleitbuch zur Ausstellung im Niederösterreichischen Landesmuseum (St.Pölten 2014)

Chapters in books

Sonia Horn, „...reineres Licht über die Wissenschaften im Erzstifte zu Köln...“. Medizin, Gesundheitswesen und Aufklärung an der Maxischen Akademie in Bonn und der medizinisch- chirurgischen Josephsakademie in Wien. In: Andreas BERGER (Hg.) Beiträge der Tagung zum 625- jährigen Bestehen der Universität Köln (2014 Böhlau Köln)

Lectures, seminars and conferences

November 2013

Sonia Horn, “Psychosomatik in der Gastroenterologie - Die vergessene Domäne der Europäischen medizinischen Tradition (Psychosomatic medicine in gastroenterology - The forgotten domain of the European medical tradition) Lecture at the 5th training course of the Austrian Society of Psychosomatic Medicine in Gastroenterology: "Diagnosis and psychosomatic aspects of functional gastroenterological disorders" (30.11.2013 Linz/ Austria)

May 2014

Sonia Horn: “Why there is no Carnival in Hollabrunn – a plea for a multidisciplinary approach in the historiography of epidemic diseases.” Paper given at the conference “Contagium between Prague and Vienna: Medicine and Infectious Diseases in Early Modern Central Europe (Charles University Prague, 14. – 15.5.2014)

July 2014

Sonia Horn, ‘*Examen obstetricum* – midwifery and obstetrics in early modern Vienna’ paper presented at the annual conference of the British Society for the History of Science 3. – 6.7.2014 University of St. Andrews

Sonia Horn, “The rights of citizens and the duties of the state. Political concepts and their implementation in late eighteenth-century health care and medical education in Habsburg countries” paper presented at the SSHM Conference 2014: Disease, Health, and the State, St Anne’s College, Oxford, 10–12 July 2014

Public Engagement and Impact

Organisation: Lange Nacht der Forschung Österreich (Reseracher’s Night Austria) 4.4.2014 for Gabriele Possanner Institute for Interdisciplinary Research. (<http://www.gabrielepossanner.eu/lange-nacht-der-forschung/>)

Nick Jardine

In September 2013, on completion of his contract as Senior Consultant to the Cambridge Scientific Heritage



Project, Nick was re-employed by the University for a year as a Director of Research. He has continued with lecturing, graduate supervision, and helping with the organisation of seminars and workshops, notably the Cabinet of Natural History, Latin and Greek Therapy, and Aims and Methods of Histories of the Sciences. The two long-term projects of which he was PI, the BA-funded Conflict and Priority in Early-Modern Astronomy and the AHRC-funded Diagrams, Figures and the Transformation of Astronomy 1450-1650, were brought to successful completion in the course of the year. Thanks to co-organisers Sachiko Kusakawa, Liba Taub, the late Alain Segonds (CNRS, Paris) and Isabelle Pantin (ENS, Paris) and to collaborators including

Renee Raphael, Isla Fay, Emma Perkins, Katie Taylor, Seb Falk, Christopher Lewis, Elisabeth Leedham-Green, Karen Bowen, Susannah Gibson, Miguel Granada, Adam Mosley, Katherine Harloe and Karin Tybjerg, the projects have hosted numerous international meetings and conferences, and have produced a flood of publications. The Diagrams project has completed a substantial database of astronomical images with accompanying texts, translations, commentaries and a glossary. Nick is on the Botanic Garden Syndicate, and devotes ever more time to the study of fungi. He is writing up his long-promised book *On Histories of the Sciences*.

Publications

Books

Christoph Rothmann's Discourse on the Comet of 1585: An Edition and Translation with Accompanying Essays (with M. A. Granada and A. Mosley), Leiden, Brill, 2014

Edited works

Recent Material Heritage of the Sciences, special section of *Studies in History and Philosophy of Science*, 44/4 (2013) (ed. and intro. with Lydia Wilson)

Observing the World through Images: Diagrams and Figures in the Early-Modern Arts and Sciences, Leiden, Brill, 2014 (ed. and intro. with Isla Fay)

Articles in journals

Reflections on the preservation of recent scientific heritage in dispersed university collections, *Studies in History and Philosophy of Science*, 44 (2013), 735-743.

Johann Baptist Hebenstreit's Idyll on the temple of Urania, the frontispiece of Kepler's *Rudolphine Tables*, Part

1: Context and significance (with C. Lewis and E. Leedham-Green); Part 2: Annotated translation (with C. Lewis, E. Leedham-Green and I. Fay), *Journal for the History of Astronomy*, 45/1, 1–34

Chapters in books

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

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 Girton College, 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 works

Richard C. Jennings (Edited with Peter Evans and David Bennett) *Feeding 9 billion: The contribution of new genetic technologies to global food production* (Cambridge CB1 2BH, UK: Banson, August 2014)

Articles in journals

Richard C. Jennings 'Genetic Technology in the Global Economic Environment' in *The World Financial Review* July-August 2014, pp 38-40

Lectures, seminars and conferences

January 2014

Caius College MCR/SCR research talks: "When is a controlled experiment not a controlled experiment", Senior Parlour, Gonville & Caius College

February 2014

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

March 2014

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

May 2014

Workshops on Ethical Conduct of Research, Wellcome Trust Sanger Institute

June 2014

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

Public Engagement and Impact

November 2013

Cambridge Society for the Application of Research Debate. Opposed motion “his House believes that the UK should support research into, and the use of, genetically-modified food”

Houses of Parliament: Address to the Ugandan Government Science and Technology Committee on their National Biotechnology Bill: “Social and Scientific issues in the debate over Genetically Modified food crops”

Stephen John



Publications

Articles in journals

Stephen John, “Patient preference predictors, apt categorisation and respect for autonomy”, *Journal of Medicine and Philosophy* 39 (2): 169-177

Stephen John, “Risk, contractualism and Rose’s prevention paradox”, *Social Theory and Practice* 40(1): 28-50

Chapters in books

Stephen John, “Cancer screening, risk stratification and the ethics of apt categorisation: a case study” in Strech, D, Hirschberg, I and Marckmann, G. *Ethics in public health and health policy* (Springer International)

Lectures, seminars and conferences

April 2014

Stephen John, “Lies, damned lies and statistics: is it possible to communicate risk accurately?” (paper presented at the Philosophy seminar of the Technical University of Eindhoven)

Stephen John, “Non-domination and non-interference” (paper presented at the “Republic of Health” conference, University of Southampton)

June 2014

Stephen John, “Is personalised cancer screening possible? Is it desirable?” (paper presented at “Philosophical issues in personalised medicine Workshop” LSE)

Lauren Kassell

She secured a £1 million Strategic Award from the Wellcome to complete and extend work on the Casebooks Project: A Digital Edition of Simon Forman’s and Richard Napier’s Medical Records, 1596-1634

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

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. She

joined the Advisory Board of the *Bulletin of the History of Medicine*. She was MPhil Manager and Senior Part II Examiner. She was the ‘borrowed papers’ representative on the HSPS Management Committee and represented the Department on the School of Humanities and Social Sciences Research Committee. Her work as Tutorial Bursar at Pembroke continued.



Publications

Edited works

Lauren Kassell (ed.), with Michael Hawkins, Robert Ralley and John Young, *The Casebooks Project: A Digital Edition of Simon Forman’s and Richard Napier’s Medical Records, 1596-1634* (2009-14) <http://www.magicandmedicine.hps.cam.ac.uk/>

Reviews

Lauren Kassell, review of *The Transformations of Magic: Illicit Learned Magic in the Later Middle Ages and Renaissance*, by Frank Klaassen, *American Historical Review*, 119 (2014), 1342-43.

Lectures, seminars and conferences

March 2014

Lauren Kassell, 'Paper Technologies, Digital Technologies: Working with Early Modern Medical Records' (a talk presented at Renaissance Society of America, in an Iter sponsored session on 'New Technologies in Medieval and Renaissance Studies: Digital Manuscript Studies', New York, NY, March 2014)

Lauren Kassell, 'Medical Record Keeping in Early Modern England' (a talk presented at 'Transforming Information: Record Keeping in the Early Modern World', British Academy, London, March 2014)

May 2014

Lauren Kassell and Michael Hawkins, 'The Casebooks Project' (a talk presented at 'Digital Approaches to Pre-modern Medicine and Health', Wellcome Library, London, May 2014)

June 2014

Lauren Kassell, 'Talking Cures in Early Modern England—Preliminary Thoughts (and an Introduction to the Casebooks Project)' (paper presented at 'Testing Drugs, Trying Cures', MPI, Berlin, June 2014)

Public Engagement and Impact

Public Lecture: Lauren Kassell, "'And the doctor noted her words": Medical Casebooks in Shakespeare's England', Gideon De Laune Lecture, Society of Apothecaries of London, February 28, 2014

'And the doctor noted her words ...' <http://www.youtube.com/watch?v=yX6fO1m9IUM> A short animated film about the Casebooks Project, written by Lauren Kassell, directed by Mr Binns, produced by Beakus, released January 2014

Melanie Keene

Melanie Keene became Graduate Tutor at Homerton College. She lectured and supervised on the history of education for the Faculty of Education. She edited three issues of *Viewpoint*, the magazine of the British Society for the History of Science, and served on its Outreach and Education Committee, helping to judge the 2014 Great Exhibitions Prize.



Ruth Horry with Melanie Keene

Publications

Articles in journals

'Familiar science in nineteenth-century Britain', *History of Science* 52 (2014): 53-71

‘Fairylands of science’, *Nature* 504 (19th December 2013): 374-375

Chapters in books

‘An active nature: Robert Hunt and the genres of science-writing’, in *Uncommon contexts: encounters between science and literature, 1800-1914*, ed. Ben Marsden, Hazel Hutchison and Ralph O'Connor (Pickering & Chatto, 2013): 39-53

Lectures, seminars and conferences

January 2014

‘The singing scientists’ (paper presented at Homerton College Research Seminar, 14th January)

March 2014

‘*Dinosaurs Don’t Die*: the Crystal Palace monsters in children’s literature, 1854-2001’ (chapter discussed at History of Science Workshop, HPS, Cambridge, 12th March)

April 2014

‘*Dinosaurs Don’t Die*: the Crystal Palace monsters in children’s literature, 1854-2001’ (paper presented at the Annual Conference of the British Society for Literature and Science, Surrey, 10th-12th April)

June 2014

‘Chemistry education – books & objects’ (introduction to meeting of AD HOC seminar, HPS, Cambridge, 2nd June)

‘From candles to cabinets’ (paper presented at Royal Society of Chemistry Historical Group meeting on ‘Chemistry as a Hobby’, 19th June)

‘The wonders of home: scientific instruction in the Victorian family’ (paper presented at ‘Domestic Pedagogies’ workshop, Exeter College, Oxford, 20th June)

July 2014

‘Object lessons go to school’ (paper presented at the Annual Conference of the British Society for the History of Science, St Andrews, 3rd-6th July)

‘Fiction and facts in fairyland’ (paper presented at the Inaugural Conference of the International Commission on Science and Literature, Athens, 9th-11th July)

September 2014

‘*Dinosaurs Don’t Die*: the Crystal Palace monsters in children’s literature, 1854-2001’ (paper presented at the biennial European Society for the History of Science conference in Lisbon, 4th-6th September)

Public Engagement and Impact

Assistant, ‘Victorian Science Spectacular’, Royal Borough of Kensington & Chelsea Celebration of Science, September 22nd 2013

Pre-film talk, ‘Growing up in postwar Britain’, Cambridge Arts Picturehouse, April 16th 2014

Participant, 'Researchers' Night' at Whipple Museum, 'Museums at Night', May 16th 2014
Talk on 'The Singing Scientists' as part of Cambridge Alumni Festival, September 27th 2014

Sachiko Kusakawa



I was awarded the Pfizer prize for my book, *Picturing the Book of Nature: Image, Text, and Argument in Sixteenth-Century Human Anatomy and Medical Botany* (Chicago: University of Chicago Press, 2012) and received a grant from the AHRC for a research project, "Making visible: the visual and graphic practices of the early Royal Society" (2015-2019), hosted at CRASSH.

Publications

Articles in journals

Sachiko Kusakawa, "Aligning Observations in Edward Tyson's "Lumbricus Latus" (1684)," *Historia scientiarum* 23, no. 3 (2014): 167-90

Chapters in books

Sachiko Kusakawa, "Conrad Gessner on an "ad vivum" image," in *Ways of Making and Knowing: the material culture of empirical knowledge*, ed. by Pamela H. Smith, H. J. Cook and Amy R. W. Meyers, (Ann Arbor: University of Michigan Press, 2014), 330-356

Sachiko Kusakawa, "Picturing the World", in *Emprynted in Thys Manere: Early Printed Treasures from Cambridge University Library*, ed. by Ed Potten and Emily Dourish (Cambridge: Cambridge University Library, 2014), 58-61

Reviews

Kusakawa, S. "Observation Observed", review of L. Daston and E. Lunbeck, eds., *Histories of Scientific Observation*, Chicago: University of Chicago Press, 2011, *Metascience* 23 (2013): 347-52.

Lectures, seminars and conferences

January 2014

"Picturing the Book of Nature', a public lecture for the Exhibition" (evening lecture for the exhibition of botanical books, *Roemers Garten*, University Library, Leipzig).

March 2014

"The Pictorial Practices of the early Royal Society" (paper presented at the annual meeting of the Renaissance Society of America, held at New York)

May 2014

"William Courten and Natural History" (Paper presented at the Cabinet of Natural History, Dept of History and Philosophy of Science, Cambridge).

Public Engagement and Impact

“Vivitur ingenio: the 500th Anniversary of Andreas Vesalius (1514-64)” (on-line exhibition of historical medical books in the Rare Books Library, with some items borrowed from elsewhere)

<https://exhibitions.lib.cam.ac.uk/vesalius/>

Reported at: <http://www.bbc.co.uk/news/magazine-30027161>

Geoffrey Lloyd

Publications

Books

G.E.R. Lloyd, *The Ideals of Inquiry: an Ancient History* (Oxford University Press) pp. 163.

G.E.R. Lloyd, Simplified Chinese translation of *Cognitive Variations* (Phoenix Publishing, Shanghai) pp. 185

Articles in journals

G.E.R. Lloyd, “Reasoning and Culture in a Historical Perspective”, *Journal of Cognition and Culture* 13 (2013)437-57.

G.E.R. Lloyd, “Notes on the Framework for Comparing Science and Philosophy across Civilizations”, *Journal of Chinese Philosophy* 40 (2013) 39-46.

G.E.R. Lloyd, “The History of Ancient Science: a Personal View”, *Science in Context* 26.4 (2014) 587-93.

G.E.R. Lloyd, “On the very possibility of mutual intelligibility”, *HAU: Journal of Ethnographic Theory* 4.2 (2014) 1-15.

Chapters in books

G.E.R. Lloyd, “Pythagoras” in *A History of Pythagoreanism*, ed. C.A.Huffman (Cambridge University Press, 2014) 24-45

Reviews

G.E.R. Lloyd, Review of *The Human Condition*, by John Kekes, *Mind* 122.486 (2013) 564-7.

G.E.R. Lloyd, Review of *Imagined Democracies: Necessary Political Fictions*, by Yaron Ezrahi, *Pragmatics and Cognition* 21.2 (2013) 415-24.

G.E.R. Lloyd, Review of *Galen: Psychological Writings*, ed. P.N. Singer, *Times Literary Supplement* 5810 (2014) 7-8.

Lectures, seminars and conferences

November 2013

G.E.R. Lloyd “Greek and Chinese science”, Sidney Sussex Greats talk, November 26

February 2014

G.E.R. Lloyd “Images and Argument in ancient science”, talk at University College London February 10

June 2014

G.E.R. Lloyd Commentator at a conference on Pneuma and Heat in Ancient Science, Prague June 12-14

September 2014

G.E.R. Lloyd 'The Multiple Valences of Comparatism', Comparatism conference, CRASSH 26-27 September

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, and an editorial director of the Newton Project, based at the University of Sussex. He was Polonsky Fellow at the Oxford Centre for Hebrew and Jewish Studies during January-June 2014.

Publications

Books

(with John Davis), *The Warden's Punishment Book of All Souls College, Oxford*, Oxford Historical Society, New Series XLV (Woodbridge: Boydell Press, 2013).

Edited works

(edited with Michael Ledger-Lomas), *Dissent and the Bible in Britain, c. 1650- c. 1950* (Oxford: Oxford University Press, 2013).

Chapters in books

(with Michael Ledger-Lomas), 'Introduction', in S. Mandelbrote & M. Ledger-Lomas (eds), *Dissent and the Bible in Britain* (Oxford: Oxford University Press, 2013), pp. 1-37.

'A Family Bible? The Henrys and Dissenting Readings of the Bible, 1650-1750', in S. Mandelbrote & M. Ledger-Lomas (eds), *Dissent and the Bible in Britain* (Oxford: Oxford University Press, 2013), pp. 38-56.

(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, 2013), 3 vols, vol. 1, pp. 83-96.

'Isaac Newton', in K. Pollmann and W. Otten (eds), *Oxford Guide to the Historical Reception of Augustine*, (Oxford: Oxford University Press, 2013), 3 vols, vol. 3, pp. 1443-4.

'The Bible Press', in Ian Gadd (ed.), *The History of Oxford University Press, Volume One: Beginnings to 1780* (Oxford: Oxford University Press, 2013), pp. 480-509.

(with Vittoria Feola), 'The Learned Press: Geography, Science, and Mathematics', in Ian Gadd (ed.), *The History of Oxford University Press, Volume One: Beginnings to 1780* (Oxford: Oxford University Press, 2013), pp. 308-49.

Reviews

‘Left Hanging’, review of A.S. McGrade (ed), *Richard Hooker: On the Laws of Ecclesiastical Polity*, in *Times Literary Supplement*, 5824, 14 November 2014, p. 32.

Review of Paul Botley and Dirk van Miert (eds), *The Correspondence of Joseph Scaliger*, in *Bryn Mawr Classical Review*, 2014.10.02.

‘Dating the Argonauts’, review of Jed Z. Buchwald and Mordechai Feingold, *Newton and the Origin of Civilization*, in *Times Literary Supplement*, 5782, 24 January 2014, p. 12.

Lectures, seminars and conferences

October 2013

‘The Publication and Illustration of Robert Morison’s *Plantarum Historiae Universalis Oxoniensis*’, Cabinet of Natural History, Cambridge

‘Religion and the Reception of the “General Scholium”’, conference to mark the tercentenary of the publication of the “General Scholium”, in the second edition of Newton’s *Principia*, University of King’s College, Halifax, Nova Scotia [co-convened the conference; sponsored by SSHRC]

November 2013

‘From Alexandria to Urbino: The Letter of Aristeas, Biblical Translation, and the Renaissance Court’, seminar on the Bible in Art, Music, and Literature, University of Oxford

‘Scholarship, the Church Fathers, and Politics around 1700’, *Faultline1700* expert workgroup, University of Utrecht

December 2013

‘Isaac Newton’s Books’, conference on Isaac Newton, Royal Society, London

January 2014

Concluding round-table presentation participant, conference to mark the centenary of the birth of Hugh Trevor-Roper, University of Oxford

March 2014

‘A book the Codrington sold: The publication and distribution of Nicolas Fatio de Duillier’s *Fruit Wallis Improved* and *Lineae Brevissimi* (1699)’, conference on ‘Transforming the Early Modern Republic of Letters’, in honour of Ian Maclean, University of Oxford

April 2014

‘The Old Testament and its ancient versions in manuscript and print in the West, c. 1480- c. 1780’, Intellectual History seminar, University of Edinburgh

May 2014

‘The later history of the manuscript of the “Equatorie of the Planetis”’, study day on the “Equatorie of the Planetis”, Whipple Museum and Peterhouse, Cambridge [convened the study day]

June 2014

‘The Greek Bible and the Reception of Josephus’, seminar on the early modern reception of Josephus, Exeter College, Oxford, and Oxford Centre for Hebrew and Jewish Studies

‘The Library of Konstantin Tischendorf, Sinai, and Early Modern Scholars’, conference on ‘the Persistence of the Past in Nineteenth-Century Scholarship’, Bible and Antiquity group, CRASSH [co-convened the conference]

‘Centre and Periphery in Early Modern History of Science and Intellectual History’, conference on ‘Studies of Knowledge in Eurasia, Asia, and Africa: Issues of Methodology and Future Perspectives’, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

July 2014

‘Henry Savile and Thomas Bradwardine’, conference on Henry Savile and Isaac Casaubon, Merton College, University of Oxford

September 2014

‘John Wilkins and the Gardens of Wadham College’, conference to mark the tercentenary of the birth of John Wilkins, Wadham College, University of Oxford

Public Engagement and Impact

Regular contributions to the blog of the Perne and Ward libraries at Peterhouse (<http://perneward.wordpress.com>); digital edition of ‘the Equatorie of the Planetis’ (Cambridge Digital Library); talks and exhibitions for the Saffron Walden Society (July 2014) and the Stoke Poges Society (September 2014).

Anita McConnell

Anita continues to take a close interest in the ongoing Board of Longitude project.

Lectures, seminars and conferences

July 2014

Round Table discussion at the *Tercentenary Conference on the history of the Board of Longitude and the determination of longitude at sea*, Royal Greenwich Museum, 15-16 July

Richard A. McKay

Following the first full year of his Wellcome Trust fellowship, Dr. Richard A. McKay reduced his academic workload to 50% full-time in January 2014 in order to divide his time more effectively between his academic work, family responsibilities, and his academic/career/life coaching practice. Nonetheless, he took up the position of Director of Studies for HPS at Magdalene College in Michaelmas 2013 and also supervised two Part II dissertations over the course of the academic year. Two outputs of his doctoral research, long in the pipeline, finally saw the light of publication in late 2013. First, a higher education module, commissioned by the U.S.

National Library of Medicine as part of an online exhibition on the history of the American AIDS epidemic, went online in the autumn. Second, his 2014 *Bulletin of the History of Medicine* article was released as an online preprint in December 2013, ten days before the cut-off for the department's REF submission. In addition to presenting a number of seminar and conference papers in the UK, US, and Australia, Dr. McKay compiled and submitted a response to the HEFCE consultation on open access monograph publishing on behalf of the Society for the Social History of Medicine, as part of his responsibilities as the Society's Policy Development Officer.

Publications

Articles in journals

Richard A. McKay, "Patient Zero: The Absence of a Patient's View of the Early North American AIDS Epidemic," *Bulletin of the History of Medicine* 88, no. 1 (2014): 161-94

Lectures, seminars and conferences

November 2013

Richard A. McKay, "'V.D. is no camp': Creating and Communicating Knowledge About Same-sex Venereal Disease Transmission in the Anglo-American World, c.1939–1984" (paper presented at the Departmental Seminar, Department of History and Philosophy of Science, University of Cambridge, November 28, 2013)

January 2014

Richard A. McKay, "Before HIV: Homosex and Venereal Disease in the Anglo-American World, c.1939–1984" (paper presented at the annual meeting of the American Historical Association, January 2-5, 2014)

Richard A. McKay, "Comment on 'Quarantine: Local and Global Histories,' by Professor Alison Bashford" (presentation at Global Science Seminar, CRASSH, January 21, 2014)

April 2014

Richard A. McKay, "'Flush out 'the gay ones'': Venereal Disease Investigation and Homosexual Activity in Post-WWII North America" (paper presented at the History of Medicine Seminar, Wellcome Unit for the History of Medicine, University of Oxford, April 28, 2014)

July 2014

Chaired two panels at "Disease, Health, and the State," the biennial meeting of the Society for the Social History of Medicine, University of Oxford & Oxford Brookes University, July 10-12, 2014

August 2014

Richard A. McKay, "The Final Frontier: Apollo 11 and NASA's Planetary Quarantine Program" (paper presented at "Quarantine: History, Heritage, Place" conference in Manly, Australia, August 14-16, 2014)

Public Engagement and Impact

Contributed guidance on archival holding and images for *Surviving and Thriving: AIDS, Politics, and Culture* online exhibition, U.S. National Library of Medicine, October 2013,
<http://www.nlm.nih.gov/survivingandthriving/>

Designed and wrote six-hour online higher education module “Patient Zero and the Early North American HIV/AIDS Epidemic,” U.S. National Library of Medicine Higher Education Module, part of the *Surviving and Thriving: AIDS, Politics, and Culture* online exhibition, October 2013,
www.nlm.nih.gov/exhibition/survivingandthriving/education/higher-education-patient-zero.html

As Policy Development Officer for the Society for the Social History of Medicine, compiled and submitted the Society’s response to a HEFCE consultation on the issues raised by open access monograph publishing, September 2014

Simon Mitton

I am a Life Fellow (St Edmund’s College), 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 current research project is on the history of cosmology 1915 – 1965, the half century bracketed by the publication of the general theory of relativity to the discovery of the cosmic microwave background. My teaching is what professional astronomers describe as Outreach. In Outreach we engage with passengers on cruise ships, schools, amateur astronomers, literary festivals and the general public. Together with Dr Jacqueline Mitton I have lectured to about 1500 members of the public, notably on Queen Mary 2 (Cunard) and Balmoral (Fred. Olsen). I served as Vice-President of the Royal Astronomical Society until May 2014, and was elected to Council of that Society (two-year term). I am Chairman of the RAS Library Committee, which has responsibility for £10m of heritage assets (Harrison chronometer, rare books, Herschel archives, and special collections).

Publications

Reviews

DAVID P. D. MUNNS. *A Single Sky: How an International Community Forged the Science of Radio Astronomy*. Cambridge, Mass.: The MIT Press. 2012. Published in *American Historical Review*

MARTIN MOBBERLEY *It Came From Outer Space Wearing an RAF Blazer! (Biography of Patrick Moore)* Springer, 2013. Published in *Journal of the British Astronomical Association*

Lectures, seminars and conferences

October 2013

‘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 2014

American Astronomical Society meeting at National Harbor, Maryland. Paper read before the Historical Astronomy Division of the AAS: 'How Beatrice Tinsley Destroyed Sandage's Quest for a Standard Candle'

May 2013

'Astronomy' ten introductory lectures on astronomy, the history of astronomy, and maritime delivered jointly with Dr Jacqueline Mitton, during 19-day voyage on Balmoral. Yokohama – Hawaii – San Diego. Attendance up to 300 passengers.

Invited speaker, Oxford Literary Festival

Invited speaker for a literary lecture at Blackwell's, Oxford

James Moore

By ensuring a sympathetic juxtaposition of Darwin's doubts and fears with those of extreme creationists in America – 'a refreshingly unusual approach to a polarizing subject' (*New York Times*) – Jim played a pivotal role, as historical consultant, script editor and interviewee, in the nationwide success of Antony Thomas's 90-minute tv documentary (Rare Day for HBO Documentary Films) transmitted 10 February 2014 to mark Darwin's birthday.

Publications

Chapters in books

James Moore. 'Darwin, Charles. I. Darwin and the Bible', in *Encyclopedia of the Bible and Its Reception*, ed. Dale C. Allison, Jr et al. (Berlin: Walter de Gruyter, 2013), vol. 6, cols 162-65

Lectures, seminars and conferences

October 2013

Guest lecture (with Randal Keynes OBE, Alister Hay, London Wildlife Trust and Angela Huxley Darwin), 'Visit to Down House, the Home of Charles Darwin', Master Sciences De l'Universe, Environnement, Ecologie (SDUEE) and Departement des langues, Sorbonne-Université Pierre et Marie Curie (Paris 6), 7 October 2013

13th annual Blodwen Lloyd Binns (BLB) lecture of the Glasgow Natural History Society, Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow, 23 October 2013

Horning Lecture, sponsored by the Horning Endowment in the Humanities, Department of History, Oregon State University, Corvallis, 29 October 2013

November 2013

Seminar, Department of Philosophy, University of California, Davis, 1 November 2013

Lunchtime discussion group, Department of Integrative Biology, University of California, Berkeley, 4 November 2013

Guest lecture, Department of Integrative Biology, University of California, Berkeley, 4 November 2013

Fossil Coffee seminar, Museum of Paleontology, University of California, Berkeley, 5 November 2013

Guest lecture, 'The Pursuit of Happiness and Knowledge: Charles Darwin and Walt Disney' (Prof. Brian Alters), Department of History, Chapman University, Orange, California, 7 November 2013

Center for the History, Philosophy and Sociology of Science, Technology and Medicine, Department of Liberal Studies, California State University, Fullerton, 7 November 2013

Lunchtime discussion group, Center for Biology and Society, School of Life Sciences, Arizona State University, Tempe, 12 November 2013

Lecture, Center for Biology and Society, School of Life Sciences, Arizona State University, Tempe, 12 November 2013

Dinner discussion group, United Congregational Church of Christ, Iowa City, Iowa, 17 November 2013

Discussion group, Obermann Center for Advanced Studies, Department of History, and Museum of Natural History and Biology, University of Iowa, Iowa City, 18 November 2013

Lunchtime discussion group, Departments of History and Religious Studies, University of Iowa, Iowa City, 19 November 2013

Guest lecture, 'Science and Theology' (Prof. Celia Deane-Drummond), Department of Theology, University of Notre Dame, Notre Dame, Indiana, 20 November 2013

Guest seminar, Evolution Working Group lunch, sponsored by The Philip S. and Joan C. Coogan Endowment for Excellence in the History of Medicine, University of Notre Dame, Notre Dame, Indiana, 20 November 2013

December 2013

Guest lecture, 'Animal Behavior and Human Morality, 1800-today' (Prof. Nicolaas Rupke), Department of History, Washington and Lee University, Lexington, Virginia, 3 December 2013

Guest lecture, Department of Genetics, University of Georgia, Athens, 11 December 2013

July 2014

Guest lecture, 'Biol S-112 Study Abroad at Oxford: Darwin and the Origins of Evolutionary Biology' (Drs Andrew Berry and Jim Costa), Harvard University Summer School, Cambridge, England, 18 July 2014

Public Engagement and Impact

Public lecture, sponsored by Crossing the Social/Biological Divide, The Obermann Center for Advanced Studies, The Old Capitol Museum, Darwin Day, The Department of Religious Studies, The Delta Center, The Department of History and The History of Medicine Society, University of Iowa, Senate Chamber, Old Capital Museum, Iowa City, 18 November 2013

Coogan Public Lecture, sponsored by The Philip S. and Joan C. Coogan Endowment for Excellence in the History of Medicine, John J. Reilly Center for Science, Technology, and Values, University of Notre Dame, Notre Dame, Indiana, 20 November 2013

Public lecture, sponsored by Johnson Lecture Series and Department of History, Washington and Lee University, Lexington, Virginia, 4 December 2013

Public lecture, Highlands Biological Station, Western Carolina University of the University of North Carolina, Highlands, North Carolina, 7 December 2013

Performance arts event with poet Andrew Mitchell, 'Darwin and the Voyage of HMS Beagle', Huddersfield Literature Festival, Huddersfield, 9 March 2014

Ayesha Nathoo

I have been awarded a 3-year Wellcome Trust Research Fellowship, starting in October 2014, for the project: “Cultivating Relaxation in Twentieth-Century Britain” at the Centre for Medical History, University of Exeter.

I am also collaborating with the Hubbub group at the Wellcome Collection, London, exploring notions of ‘rest’ and its opposites: www.hubbubgroup.org.

Jaume Navarro

In April 2014 I organized a workshop in San Sebastian (Spain) called “The Promises of Science”, for which I raised 1000 euros from different funding bodies.

I was also awarded a return fellowship by the Humboldt Stiftung in Germany to spend 2 months at the MPIWG at the end of 2014.

I also organized a one-day workshop on “Ether and Modernity”, in February 2014, as part of my research as Marconi Fellow at the Bodleian Library in the year 2013.

Publications

Edited works

Massimiliano Badino and Jaume Navarro, *Research and Pedagogy. A History of Quantum Physics and its early Textbooks* (Open-access-editions: Berlin, 2013). <http://www.edition-open-access.de/studies/2/index.html>

Chapters in books

Massimiliano Badino and Jaume Navarro, “Pedagogy and Research. Notes for a Historical Epistemology of Science Education”, Introduction to *Research and Pedagogy. A History of Quantum Physics and its early Textbooks* eds. Massimiliano Badino and Jaume Navarro (Berlin: Open-access-editions, 2013), 7-26.

“Teaching Quantum Physics in Cambridge: George Birtwistle and His Two Textbooks”, in *Research and Pedagogy. A History of Quantum Physics and its early Textbooks* eds. Massimiliano Badino and Jaume Navarro (Berlin: Open-access-editions, 2013), 231-248.

Reviews

Book Review: ‘Schweber, Silvan S., Nuclear Forces: The Making of the Physicist Hans Bethe’, *British Journal for the History of Science*, 47 (3), 2014, 579-580.

Book Review: ‘Herrán, Néstor and Xavier Roqué (eds.) La física de la dictadura. Físicos, cultura y poder en España 1939-1975’, *Dynamis*, 34 (2), 2014, 526-528.

Lectures, seminars and conferences

October 2013

Invited speaker at the International Brandt Ritchie Workshop of Physics, 1—4 October, 2013, Donostia-San Sebastian. Talk: “Niels Bohr in Manchester. A hundred years of the quantum atom”

November 2013

Annual HSS Meeting, Boston, 20-24 November 2013. Paper: “Explaining the Demise of the Ether”

February 2014

Marconi Lecture at the University of Oxford: “Ether and Wireless. An onld medium into new media”. 21 February 2014

March 2014

Invited Speaker at the Càtedra Cultura Ciència i Religió, Universitat Internacional de Catalunya, Barcelona, 17 March 2014. Talk: “Las Promesas de la Ciencia”

April 2014

ORGANIZER of: The Promises of Science. Historical Perspectives. 3-days international workshop in San Sebastian, 7-9 April 2014. Invited speakers: Jonathan Agar, Peter Bowler, Robert Bud, Shaul Katzir, Harro van Lente, Thomas Mormann, Annette Mülberger, Javier Ordóñez, Katy Price, Maria Rentetzi, María Jesús Santesmases, Jon Umérez. <http://www.ehu.es/en/web/promises-of-science/home>

June 2014

Invited speaker at the seminar “Religiöse Kulturen im Europa des 19. Und 20. Jahrhunderts”, at the Ludwig Maximilian Universität, München, 11 June 2014. Talk: “The Conflict between Science and Religion. An Invented Tradition?”

September 2014

9th STPS Meeting, Lisboa, 1-3 September 2014. Session organizer: “Science and Religion in the Periphery. A missing historiography?” Talk: “After the Syllabus Errorum. Revisiting Science and Religion in the late Nineteenth Century”

6th International Conference of the European Society for the History of Science, Lisboa 4-6 September, 2014. Session organizer: “Communicating Conceptual Changes in the Physical Sciences”. Talk: “ Explaining the demise of the ether”.

XII Congreso de la Sociedad Española de Historia de la Ciencia, Madrid, 10-12 September 2014. Session organizer (with Javier Ordóñez): “Ciencia y Creencia en la Gran Guerra: estándares y propaganda”. Talk: “Ciencia, Guerra y Religión en España durante la Guran Guerra”.

Public Engagement and Impact

Post on the web: mappingignorance.org. Jaume Navarro: “The Conflict between science and religion. An invented tradition”. Most viewed in the last 3 months

<http://mappingignorance.org/2014/09/15/conflict-science-religion-invented-tradition/>

J. Brian Pitts

Publications

Articles in journals

J. Brian Pitts, “A First Class Constraint Generates Not a Gauge Transformation, But a Bad Physical Change: The Case of Electromagnetism,” *Annals of Physics* 351 (2014): 382–406

J. Brian Pitts, “Change in Hamiltonian General Relativity from the Lack of a Time-like Killing Vector Field,” *Studies in History and Philosophy of Modern Physics* 47 (2014): 68–89

J. Brian Pitts, “Irrelevant Conjunction and the Ratio Measure or Historical Skepticism,” *Synthese* 190 (2013): 2117–2139

Chapters in books

J. Brian Pitts, “Time and Fermions: General Covariance vs. Ockham’s Razor for Spinors,” in *Proceedings of the 4th International Conference on Time and Matter, 4-8 March 2013, Venice, Italy*, ed. Martin O’Loughlin, Samo Stanič, and Darko Veberič (Nova Gorica, Slovenia, University of Nova Gorica Press, 2013), 185–198

Lectures, seminars and conferences

January 2014

‘Real Change Happens in Hamiltonian General Relativity’ (Department of Philosophy, University of Minnesota, January 23, 2014)

February 2014

Invited discussion leader on Bimetric Gravity, Massive Gravity, and Galileons at workshop ‘The Structure of Gravity and Spacetime’ (Lady Margaret Hall, Oxford University, part of Oxford-Cambridge project ‘Establishing the Philosophy of Cosmology’, funded by the John Templeton Foundation, February 6–7, 2014)

March 2014

“Historical and Philosophical Insights about General Relativity and Space-time from Particle Physics’ (paper presented at NNPS 2014: Nordic Network for Philosophy of Science, Lunds Universitet, Lund, Sweden, March 28, 2014).

Commentator on Hanoch Ben-Yami's 'Absolute Distant Simultaneity in Special Relativity' (NNPS 2014: Nordic Network for Philosophy of Science,, Lunds Universitet, Lund, Sweden, March 28, 2014)

April 2014

'Calculus! Applied Mathematics as the Foundation for Hamiltonian General Relativity and Spinors' (Department of Applied Mathematics, University of Western Ontario, April 24, 2014)
'The Synergy of Philosophy and Science: A Case Study in Space-time Physics' (Department of Philosophy, University of Western Ontario, April 25, 2014)

May 2014

'Real Change Happens in Hamiltonian General Relativity' (Sigma Club, London School of Economics, May 15, 2014).
'Against the Timeless Cosmos: General Relativity & Real Change' (paper presented at PhysPhil II: The Meaning of Matter and the Trouble with Time, The University of St Andrews, Scotland, May 6, 2014)

June 2014

'Historical and Philosophical Insights about General Relativity and Space-time from Particle Physics' (paper presented at SILFS 2014: Triennial International Conference of the Italian Society for Logic and Philosophy of Sciences, University of Rome 'Roma TRE', June 20, 2014)

July 2014

'Real Change in Hamiltonian General Relativity' (paper presented at The British Society for the Philosophy of Science Annual Conference 2014, Fitzwilliam College, University of Cambridge, July 10, 2014)

September 2014

'Progress and Gravity' (paper presented at the International Conference on The Philosophy of Cosmology, ABAMA Resort, Tenerife, Spain, September 15, 2014, concluding the project 'Establishing the Philosophy of Cosmology', Oxford, Cambridge, Columbia, New York, Rutgers, UC Santa Cruz, Yale, and John Templeton Foundation).

Public Engagement and Impact

'Poincaré and Einstein on Geometry: How Do They Look Today?' (Public lecture, Science Festival, Whipple Museum of the History of Science, University of Cambridge, March 12, 2014).

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 phrenology. It is provisionally titled 'Bumps beyond borders: phrenology and the making of a global science 1815-1922'. James also convenes the Global Science seminar series at the Centre for Research in the Arts, Social Sciences and Humanities (CRASSH) at the University of Cambridge. In 2013-2014 he held research fellowships at the Philadelphia Area Center for the History of Science and the Countway Library, Harvard University.

Publications

Reviews

James Poskett, review of *The Circulation of Knowledge between Britain, India and China: The Early-Modern World to the Twentieth-Century*, by Bernard Lightman, Gordon McOuat, and Larry Stewart (eds), *The British Journal for the History of Science* 47 (2014), pp. 567-569.

James Poskett, review of *Mastering the Niger: James MacQueen's African Geography and the Struggle over Atlantic Slavery*, by David Lambert, *Reviews in History*, review no. 1655 (2014).

Lectures, seminars and conferences

March 2014

James Poskett, “National types: the transatlantic publication and reception of *Crania Americana* (1839)”, Cabinet of Natural History, Department of History and Philosophy of Science, University of Cambridge, UK, 10 March 2014.

April 2014

James Poskett, “Printing skulls, printing nations: craniology in the transatlantic world 1839-1842”, History of Medicine Working Group, Harvard University, MA, USA, 14 April 2014.

May 2014

James Poskett, “Books and the sciences in global history”, Exploring Traditions: Sources for a Global History of Science, University of Cambridge, UK, 30 May 2014.

June 2014

James Poskett, “Collecting routes: nineteenth-century craniology and the limits of circulation”, World History Workshop, University of Cambridge, UK, 5 June 2014.

July 2014

James Poskett, “‘The minds of men are on the move’: phrenology in Bengali print culture 1845-1850”, British Society for the History of Science Conference, University of St Andrews, UK, 4 July 2014.

Public Engagement and Impact

Exhibition of books at the Whipple Library, James Poskett, “Transatlantic Professor: Samuel George Morton between the United States and Britain”, Whipple Library, Department of History and Philosophy of Science, University of Cambridge, UK, February 2014 onwards

Online video featured on the University of Cambridge website, James Poskett, “Skulls in print: scientific racism in the transatlantic world”, March 19, 2014, <http://www.cam.ac.uk/research/news/skulls-in-print-scientific-racism-in-the-transatlantic-world>

Interview featured in *O Globo* newspaper in Brazil, “A ciência falha do racism”, *O Globo*, May 3, 2014, <http://oglobo.globo.com/sociedade/historia/estudo-de-cranios-serviu-como-base-falha-ciencia-do-racismo-12370323>

Exhibition of anthropological instruments at the Whipple Museum, featured as part of the University of Cambridge Black History Month Trail, James Poskett, “Scientific racism in the nineteenth century”, Whipple Museum, Department of History and Philosophy of Science, University of Cambridge, UK, July 2014 onwards

Valentina Pugliano

Wellcome Trust Research Fellowship start date: 1 November 2013.

Publications

Reviews

Valentina Pugliano, “Review of *Early Modern Things: Objects and Their Histories*, edited by Paula Findlen”, *Isis* 105/1 (2014), pp. 218-9

Valentina Pugliano, “Review of *Watching Vesuvius: A History of Science and Culture in Early Modern Italy*, by Sean Cocco,” *Archives of Natural History* 40/2 (2013), p. 368

Lectures, seminars and conferences

November 2013

“Shop natural history: the conversable and convivial science of the Renaissance Pharmacy” conference paper presented at the *History of Science Society Annual Meeting*, Boston, MA, 21-25 November 2013

March 2014

“Medical practice in the Ottoman provinces: The view from the Venetian fondaco”, invited paper presented at the workshop *The Arts of Healing in the Mediterranean*, Rutgers University, New Brunswick, NJ, 28 March 2014

“Venetian doctors in Ottoman lands: Early modern medicine and science on the move”, invited seminar paper presented at the *Early Modern European Seminar*, University of Cambridge, March 13, 2014

May 2014

Chair of Panel “Global Exchanges”, *Global Italy*, Cambridge Italian Research Network, University of Cambridge, 23 May 2014

June 2014

“Renaissance pharmacy, testing, and the language of truth”, invited workshop paper presented at the *Testing Drugs and Trying Cures in Early Modern Europe Workshop*, Max-Planck-Institut für

Wissenschaftsgeschichte, Berlin, 27-28 June 2014. Currently under revision for publication

Respondent to Clare Griffin’s paper, *Global Science Seminar*, CRASSH, University of Cambridge, June 10, 2104

Sadiah Qureshi

Publications

Chapters in books

Sadiah Qureshi, “Dramas of Development: Evolution and Victorian Exhibitions”, in *Evolution and Victorian Culture*, eds Bernard Lightman and Bennett Zon (Cambridge University Press, 2014), 261–285

Lectures, seminars and conferences

October 2013

Sadiah Qureshi, “‘Just Arrived... the Only Specimens of this Race ever Beheld...’: Empire, Anthropology and Collecting Peoples in Nineteenth-Century Britain” (paper presented at the Anthropology at Birmingham research seminar, University of Birmingham, October 15, 2013)

Sadiah Qureshi, “‘Exterminate all the Brutes’: Settler Colonialism and the Future of Endangered Races” (paper presented at the History Research Seminar, University of Manchester, October 17, 2014)

February 2014

Sadiah Qureshi, “Personal Politics and the Teaching of Genocide”, (paper presented for a workshop on Commemoration and Conflict: Challenges for HE Practitioners in History, Area Studies and Philosophical and Religious Studies, University of Birmingham, February 19, 2014)

March 2014

Sadiah Qureshi, “‘Just Arrived... the Only Specimens of this Race ever Beheld...’: Empire, Anthropology and Collecting Peoples in Nineteenth-Century Britain” (paper presented at the History Research Seminar, University of Liverpool, March 20, 2014)

April 2014

Sadiah Qureshi, “Doomed to Die: Endangered Races, Science and Modern Settler Colonialism” (paper presented to the Twentieth-Century Histories of Knowledge About Human Variation seminar, Max Planck Institute, Berlin, April 24, 2014)

May 2014

Sadiah Qureshi, “Modern Settler Colonialism and the Future of Endangered Races” (paper presented at the Global Science CRASSH Graduate Research Group, University of Cambridge, May 27, 2014)

June 2014

Sadiah Qureshi, “What is History?” (lecture for the IF University Summer School, June 10, 2014)

Public Engagement and Impact

Sadiah Qureshi, “Africans on Show”, University of Birmingham: Scholarship of Blackness blog, October 8, 2013, <http://scholarshipofblackness.tumblr.com/post/63454393446/africans-on-show>

Sadiah Qureshi, “Peoples on Parade” (public talk at Derby Museums, October 19, 2013)

Sadiah Qureshi, “Exhibit B puts people on display for Edinburgh International Festival”, *The Conversation*, August 11, 2014, <http://theconversation.com/exhibit-b-puts-people-on-display-for-edinburgh-international-festival-30344>

Jennifer Rampling

Jenny completed her research fellowships at HPS and Clare Hall, and moved to the US to take up an assistant professorship in the history of early modern science at Princeton University. She also survived her first full year as Editor of *Ambix* and co-editor (with Lawrence Principe) of the new monograph series *Sources of Alchemy and Chemistry: Sir Robert Mond Studies in the History of Early Chemistry*. She served as Programmes Coordinator for the BSHS, and sat on the Council of the Society for the History of Alchemy and Chemistry, the Programs Committee of the HSS Forum for the History of the Chemical Sciences, and the Commission on Bibliography and Documentation of the IUHPS/DHST. She organised panels on “Communicating Chymistry” at the RSA Annual Meeting and on “Recycling Ideas, Images, Objects and Spaces” at the BSHS Annual Conference; consulted on an EU-funded project on Greek alchemy at the National Hellenic Research Foundation; and won a grant to recreate medieval alchemical experiments.

Publications

Articles in journals

Jennifer M. Rampling, “Tudor Technology: Shakespeare and Science,” *Nature* 508 (2014): 39-40

Chapters in books

Jennifer M. Rampling, “From Alchemy to Chemistry,” in *Brill’s Encyclopedia of the Neo-Latin World*, ed. Philip Ford, Jan Bloemendal and Charles Fantazzi (Leiden and Boston: Brill, 2014), 705-717

Jennifer M. Rampling, “A Secret Language – The Ripley Scrolls,” in *Art and Alchemy: The Mystery of Transformation*, ed. Dedo von Kerssenbrock-Krosigk, Beat Wismer, Sven Dupré & Anita Hachmann (Düsseldorf: Hirmer, 2014), 38-45

Jennifer M. Rampling, “Die geheime Sprache – Die Ripley Bildrolle,” in *Kunst und Alchemie: Das Geheimnis der Verwandlung*, ed. Dedo von Kerssenbrock-Krosigk, Beat Wismer, Sven Dupré & Anita Hachmann (Düsseldorf: Hirmer, 2014), 38-45

Jennifer M. Rampling, “Depicting the Medieval Alchemical Cosmos: George Ripley’s Wheel of Inferior Astronomy,” in *Observing the World Through Images: Diagrams and Figures in the Early-Modern Arts and Sciences*, ed. Nick Jardine and Isla Fay (Leiden: Brill, 2013), 45-86

Lectures, seminars and conferences

October 2013

Jennifer M. Rampling, “Practically making the philosophers’ stone: recreating alchemical experiments” (Royal Society of Chemistry lecture, Department of Chemistry, Cambridge)

November 2013

Jennifer M. Rampling, “The Ripley Scroll unrolled” (*Chemists and their Books* workshop, Fitzwilliam Museum, Cambridge)

December 2013

Jennifer M. Rampling, “Unlocking the secrets of alchemy in early modern England” (ASH Colloquium, Clare Hall, Cambridge)

February 2014

Jennifer M. Rampling, “Recovering alchemical knowledge in early modern England” (Departmental Seminar, Indiana University, Bloomington)

Jennifer M. Rampling, “The making of English alchemy: mineral and vegetable stones” (Program Seminar in History of Science, Princeton)

March 2014

Jennifer M. Rampling, “The Ripley Scrolls unrolled: alchemy, art and patronage in early modern Europe” (60th Renaissance Society of America Annual Meeting, New York)

May 2014

Jennifer M. Rampling, “Pseudo-Lullian alchemy and the nature of ‘mercury’ in medieval Europe” (*Sources of Alchemy* conference, Johns Hopkins University, Baltimore)

June 2014

Jennifer M. Rampling, “When Hermes met Hippocrates: medical alchemy and chemical medicine in early modern Europe” (National Hellenic Research Foundation/University of Athens, Greece).

Jennifer M. Rampling, “Alchemy, experiment, and replication” (National Hellenic Research Foundation/University of Athens, Greece)

July 2014

Jennifer M. Rampling, “The adaptive adept: retooling medieval apparatus in early modern alchemy” (BSHS Annual Conference, University of St Andrews, Scotland).

Jennifer M. Rampling, “Alchemy as matter theory and natural magic” (Bucharest-Princeton Seminar in Early Modern Philosophy, Bran, Romania)

August 2014

Jennifer M. Rampling, “What did alchemy learn from medicine? Disciplinary exchanges in late medieval Europe” (*Crossing Oceans* international conference, São Paulo, Brazil)

Nicky Reeves

In November 2013 Nicky left Cambridge to take up the post of Curator of Scientific and Medical History Collections at The Hunterian, University of Glasgow.

Publications

Reviews

Nicky Reeves, review of *Surveyors of Empire: Samuel Holland, J. F. W. Des Barres and the Making of "The Atlantic Neptune"*, by Stephen J. Hornsby, *Isis*, Vol. 105, No. 1 (March 2014), pp. 219-220

Lectures, seminars and conferences

September 2014

Nicky Reeves, "Museums and the Display of Disability" (Panellist, Public Panel Debate at Leeds City Museum), *Rethinking Patent Cultures: Disability, Prosthesis, & Patenting*, September 18-19, University of Leeds)

Public Engagement and Impact

Nicky Reeves, "Locked up in the Museum", *On Display*, December 09, 2013, <https://ondisplayblog.wordpress.com/2013/12/09/locked-up-in-the-museum/>

Simon Schaffer

Simon Schaffer continued in 2013-14 as principal investigator on the AHRC project *The Board of Longitude 1714-1828: science, innovation and empire in the Georgian world*, jointly with the National Maritime Museum,



and as co-investigator on the AHRC project *Exploring traditions: sources for a global history of science*. From October 2013 he supervises a new collaborative doctoral award with the Science Museum on *Technologies of flight*, held by Caitlín Doherty, and is a member of the editorial board of the Science Museum Group eJournal. In November 2013 he was awarded the George Sarton Medal by the History of Science Society. In March-April 2014 he was Directeur d'études invité at the Centre Alexandre Koyré, Ecole des Hautes Etudes en Sciences Sociales. In 2013-14 he joined the advisory board of the St Cross Centre for History and Philosophy of Physics, Oxford and the advisory council of the Forschungszentrum Gotha der Universität Erfurt. Together with Jim Secord, in July 2014 he helped launch a new book series from Cambridge University Press, *Science in history*. In

January 2014 he appeared on BBC Radio 4 *Word of Mouth* (“How accurate are scientific metaphors?”); in March 2014 on Radio France Culture *La Fabrique de l’Histoire* (“La fabrique des sciences modernes”); in June 2014 on Radio France Culture *Les Lundis de l’Histoire* (“Lieux, pratiques et spectacles de la science”); in June 2014 on BBC Radio 4 *In our Time* (“Robert Boyle”); and in August 2014 on BBC TV *Coast* (“Sea and the City”). In June 2014 he was the Marc Bloch Lecturer at the Ecole des Hautes Etudes en Sciences Sociales, Paris. In 2013-14 continued as Chair of the HPS Board and Manager of the Part II course in HPS.

Publications

Books

Simon Schaffer, *La Fabrique des Sciences Modernes* (Paris: le Seuil, 2014)

Articles in journals

Simon Schaffer, “Swedenborg’s Lunars,” *Annals of Science* 71 (2014): 2-26

Chapters in books

Simon Schaffer, “Taxonomie, Discipline, Colonies: Foucault et la *Sociology of Knowledge*,” in *Michel Foucault: un Héritage Critique*, ed. Jean-François Bert and Jérôme Lamy (Paris: CNRS, 2014), 363-73

Simon Schaffer, “A Presiding Influence: the Relations of the 3rd Earl of Rosse with Scientific Institutions in Britain and Ireland,” in *William Parsons, 3rd Earl of Rosse: Science and the Castle in Nineteenth-Century Ireland*, ed. Charles Mollan (Manchester: Manchester University Press, 2014), 298-328

Lectures, seminars and conferences

October 2013

Simon Schaffer, “Newton’s Time” (Centre for Maritime History, Institute of Historical Research London, October 22, 2013)

November 2013

Simon Schaffer, “Newton et les Longitudes” (Maison des Sciences de l’Homme Lorraine, Nancy, November 12, 2014)

Simon Schaffer, “History and the History of Science” (Interdisciplinary Seminar, St John’s College Cambridge, November 27, 2013)

Simon Schaffer, co-organiser of workshop on “Exploring Traditions” (CRASSH, Cambridge, November 30, 2013)

December 2013

Simon Schaffer, “Finitism and Orientalist Natural History” (Institut für Philosophie, Universität Wien, December 5, 2013)

January 2014

Simon Schaffer, “Global Science and its History” (Erasmus Society, Queens’ College Cambridge, January 28, 2014)

February 2014

Simon Schaffer, "Imperialism, Globalization, Interdisciplinarity" (English Research Forum, Royal Holloway University of London, February 5, 2014)

Simon Schaffer, "Original or Authentic? The Emergence, Formulation and Realisation of Ideas" (Central St. Martin's, University of the Arts London, February 21, 2014)

Simon Schaffer, "Interdisciplines and Indiscipline" (Science, Technology and Innovation Studies, University of Edinburgh, February 24, 2014)

March 2014

Simon Schaffer, "Sciences, Empires, Pluralité des Mondes" (Centre Alexandre Koyré, EHESS, Paris, March 11, 2014)

Simon Schaffer, "Réseaux Globaux et la Circulation des Dispositifs Scientifiques" (Centre Alexandre Koyré, EHESS, Paris, March 25, 2014)

April 2014

Simon Schaffer, "La Numérisation des Archives" (Bureau des Longitudes, Paris, April 1, 2014)

Simon Schaffer, "Histoires Naturelles et Taxonomies Coloniales" (EHESS, Paris, April 1, 2014)

Simon Schaffer, "Administration Coloniale et Sciences de Précision" (EHESS Paris, April 8, 2014)

May 2014

Simon Schaffer, co-organiser of workshop on "Exploring Traditions" (CRASSH, Cambridge, May 30, 2014)

June 2014

Simon Schaffer, "Les Cérémonies de la Mesure: Repenser l'Histoire Mondiale des Sciences" (Marc Bloch Lecture, EHESS, Sorbonne, Paris, June 3, 2014)

Simon Schaffer, "Optical Philosophy and the Republic of Letters" (Forschungszentrum Gotha der Universität Erfurt, June 24, 2014)

Simon Schaffer, "Global Science and the Imperial Meridian" (Forschungszentrum Historische Geisteswissenschaften, Goethe Universität Frankfurt-am-Main, June 25, 2014)

July 2014

Simon Schaffer, "Automata in History: the Kinetic Arts of the Enlightenment" (Kettle's Yard, Cambridge, July 3, 2014)

Simon Schaffer, "Clockwork Automata of the Enlightenment" (British Horological Institute, Ipswich Branch, July 22, 2014)

Simon Schaffer, conference organiser, "Longitudes Examin'd" (National Maritime Museum, Greenwich, July 25-26, 2014)

Simon Schaffer, participation in evaluation conference, "Enquête sur les Modes d'Existence" (Sciences Po, Paris, July 28-29, 2014)

September 2014

Simon Schaffer, conference organiser, "Bibliotechnica: Digital Arts, Philology and Knowledge Worlds" (Fondazione Giorgio Cini, Venice, September 8-11, 2014)

Simon Schaffer, “Man is Not Lost: Finding the Longitude with the Cambridge Digital Library” (University of Cambridge Alumni festival, September 26, 2014)

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. During 2013-14 she completed her second two-year appointment as the Einstein Visiting Fellow at the TOPOI (Berlin) Excellence Cluster devoted to the Formation and Transformation of Space and Knowledge in Ancient Civilizations. She serves on the Wissenschaftliche Beirat of the Deutsches Museum (Munich) and the UK Spoliation Advisory Panel, as well as various University and College committees.

Publications

Reviews

Liba Taub, review of *Manilius Elucidated, Forgotten Stars: Rediscovering: Manilius' Astronomica*, ed.

Steven J. Green and Katharina Volk (Oxford University Press, Oxford, 2011), *Journal for the History of Astronomy* 44 (2013): 368

<http://jha.sagepub.com/content/44/3/368.citation>

Public Engagement and Impact

Public lecture: “Claudius Ptolemy: His View of the World”, Keynote address to launch the *Ptolemaeus Arabus et Latinus* 25-year research project funded by the Bayerische Akademie der Wissenschaften, Deutsches Museum, Munich, 14 February 2014

Public presentation and discussion: “The Shapes of Ancient Science Einstein Foundation”, public presentation for the

Einstein Foundation, as part of ‘Meeting Einstein’, Abguss-Sammlung Antiker Plastik, Berlin, 20 March 2014

Tomás Undurraga

Publications

Books

Tomás Undurraga, *Divergencias: Trayectorias del Neoliberalismo en Argentina y Chile*. Santiago de Chile: Ediciones Universidad Diego Portales, 2014, 364 pages, ISBN: 978-956-314-303-4

Chapters in books

Tomás Undurraga, “*Rearticulación de grupos económicos y renovación ideológica del empresariado en Chile 1975 –2012: la paradoja de la concentración*”. Chapter in Monsalve Zanatti, Martín (Ed.) 2014 *Grupos Económicos y Mediana Empresa Familiar en América Latina*. Universidad del Pacífico, Lima, Perú. Pp. 11 – 39

Reviews

Tomás Undurraga, Book Review: Milanesio, Natalia (2013) *Workers Go Shopping in Argentina: The Rise of Popular Consumer Culture* (Albuquerque, University of New Mexico Press), pp. 307. *Bulletin of Latin American Research* 34.1, 2014

Lectures, seminars and conferences

November 2013

Negocios, política e ideología: La relación simbiótica entre neoliberalismo y elites económicas en Argentina y Chile (1975-2010). Paper presented for the Programa de Pos-Graduacao em Sociologia Universidad Federal de Fluminense, Niteroi, Brazil. Nov. 11, 2013

Producing economic knowledge: an ethnography of newsrooms in Brazil. Paper presented at Seminario Nucleo de Teoría y Sociologia (NESTAL), Instituto de Estudios Sociales e Politicos, Universidad Estadual de Rio de Janeiro, Brazil. Nov 25, 2013.

Economia na esfera publica: pesquisando jornalismo economico no Brasil. Paper presented at Fundacao Getulio Vargas, Nov 29, 2013.

December 2013

Negocios, política e ideología: La relación simbiótica entre neoliberalismo y elites económicas en Argentina y Chile (1975-2010). Paper presented at the Conference “Redes Elites económicas y políticas en Chile y Argentina” Universidad General San Martín, Buenos Aires, Argentina. Dec 9, 2013

February 2014

Variedades de capitalismo na Argentina e Chile (1975-2010). Public Lecture at Universidade Estadual de Maringá, Brazil. Feb. 19, 2013

Economia na esfera publica: pesquisando jornalismo economico no Brasil. Paper presented at the Conference: “*Temas Emergentes em Sociologia Econômica no Brasil*”, Universidade Estadual de Maringá, Feb. 19 – 21, 2013

May 2014

“The journalistic field in Brazil: a preliminary overview”. May 21. Internal workshop about “the GRID”. Economics in the Public Sphere, Department of History and Philosophy of Science, University of Cambridge

June 2014

“The Brazil Case Study: an ethnography of Valor Economico’s newsroom”. Mid-project Workshop, Economics in the Public Sphere, Department of History and Philosophy of Science, University of Cambridge, 23 and 24 June 2014.

July 2014

“Real time news and the financialization of economic reporting in Brazil: an ethnography of Valor Economico’s newsroom” Paper presented at the XVIII ISA World Congress of Sociology, Yokohama, Japan. July 13-19, 2014. Panel: ‘Ethnography and the Economy’

Public Engagement and Impact

Economics in the public sphere: Investigating economic journalism in Brazil, *Blog Estudios de la Economia*, December 1, 2013 <https://estudiosdelaeconomia.wordpress.com/2013/12/01/economics-in-the-public-sphere-investigating-economic-journalism-in-brazil/>

Valor Economico: the search for value in economic reporting in Brazil, *Blog Estudios de la Economia*, April 27, 2014 <https://estudiosdelaeconomia.wordpress.com/2014/04/27/valor-economico-the-search-for-value-in-economic-reporting-in-brazil/>

“Entrepreneurs are violent. They operate without any kind of regime of justification, they just act”. An interview with Will Davies. *Blog Estudios de la Economia*, November 17, 2014 <https://estudiosdelaeconomia.wordpress.com/2014/11/17/entrepreneurs-are-violent-they-operate-without-any-kind-of-regime-of-justification-they-just-act-an-interview-with-will-davies/>

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 research project, funded by the Wellcome Trust, dealing with the lexical aspects of the history of physiology.

Lectures, seminars and conferences

April 2014

Attended the conference on Philosophy of Biology UK 2014, Christ’s College, Cambridge, March 31 – April 1, 2014. Chaired a session on “Metagames”

Paul White

Publications

Edited works

Paul White et al. eds., *The Correspondence of Charles Darwin*, vol. 21 (Cambridge: Cambridge University Press, 2014)

Chapters in books

Paul White, "The experimental novel and the literature of physiology," in *Uncommon Contexts: Encounters Between Science and Literature, 1800-1914*, eds. B. Marsden, H. Hutchinson, and R. O'Connor (London: Pickering & Chatto, 2013), 21-37

Paul White, "The conduct of belief: agnosticism, the Metaphysical Society, and the formation of intellectual communities," in *Victorian Scientific Naturalism: Community, Identity, Continuity*, eds. G. Dawson and B. Lightman (Chicago: University of Chicago Press, 2014), 220-41

Paul White, "Becoming an animal: Darwin and the evolution of sympathy," in *After Darwin: Animals, Emotions, and the Mind*, ed. A. Richardson (Amsterdam: Rodopi, 2013), 112-135

Lectures, seminars and conferences

February 2014

Paul White, "The archaeology of sympathy: commentary" (Nineteenth century seminar, Birkbeck College, London)

Catherine Wilson

My research interests include historical epistemology; atomism and matter theory; early modern philosophy (Descartes, Locke, Leibniz, Kant); 18th century anthropology and life science. Papers in press are on Newtonian matter theory, the concept of the organism, and the aesthetics of science. Also forthcoming is *A Very Short Introduction to Epicureanism*. for the OUP series.

I spent Fall 2013 at an NEH sponsored seminar on 'The New Materialism' Rice University, Texas, USA, From March to July I was a Visiting Professorial Fellow at the Institute of Philosophy, SAS, University of London working on a project on Metaethics. In August 2014 I gave a postgraduate Seminar on Science and Metaphysics in the 17th and 18th Centuries, at the University of Bergen, Norway.

Publications

Articles in journals

Catherine Wilson, 'Mach, Musil and Modernism,' *Monist*, special issue on Robert Musil, ed. Bence Nanay, 97 (2014) 138-155

Catherine Wilson, 'Darwin and Nietzsche,' *The Journal of Nietzsche Studies* 44 (2013) pp. 353-369

Catherine Wilson, 'Materialism-Animalism-Socialism: The Anthropology of Marx and Engels,' *Social Science Journal (China)* 2013: (6)

Chapters in books

Catherine Wilson, 'Kant on Civilisation Culture and Morality,' In Alix Cohen, ed., *A Companion to Kant's Lectures on Anthropology* Cambridge, Cambridge University Press (2014), pp. 191-210

Reviews

Catherine Wilson, 'Descartes's Other Side' review of Steven Nadler, *The Philosopher, the Priest, and the Painter*; Karen Detlefsen, ed. *Descartes' Meditations: A Critical Guide*, TLS May 14 2014

Lectures, seminars and conferences

November 2013

Catherine Wilson, 'External Reasons: A Problem from Williams' Philosophy Colloquium, Rice University, (USA)

February 2014

Catherine Wilson, 'External Reasons: A Problem from Williams' Philosophy Colloquium, King's College, London

March 2014

Catherine Wilson, 'External Reasons: A Problem from Williams' Philosophy Colloquium, University of Reading, Catherine Wilson, 'Materialism, Animalism, Socialism: the Anthropology of Marx and Engels' Lecture, University of Ghent

Catherine Wilson, 'The Doors of Perception and the Artist Within' Seminar, University of Antwerp

April 2014

Catherine Wilson, 'External Reasons: A Problem from Williams' Lecture, Marist College (USA)

May 2014

Catherine Wilson, 'Epicurean Political Philosophy.' Philosophy Colloquium, University of Konstanz, Germany

Catherine Wilson, Concluding Comments conference on 'Medicine and the Mind' Warburg Institute, London

July 2014

Catherine Wilson, 'External Reasons: A Problem from Williams.' Institute of Philosophy, School of Advanced Study, London

Public Engagement and Impact

Informal consultation on ethical perspectives and risk, for NHS.

John Young

I co-wrote the application that secured a £1,000,000 Wellcome Trust Strategic Award to complete the Casebooks Project by 2017.

Public Engagement and Impact

Attended and helped field questions following presentation by Lauren Kassell and Michael Hawkins on ‘The Casebooks Project’ at the ‘Digital Approaches to Premodern Medicine and Health’ (<http://blog.wellcomelibrary.org/2014/05/workshop-digital-approaches-to-premodern-medicine-and-health/>) workshop, 23 May 2014, at the Wellcome Library, London

With Michael Hawkins and Robert Ralley, hosted a poster about the project at the PublicHealth@Cambridge Network showcase event (<http://www.publichealth.cam.ac.uk/2014-network-showcase-event-27th-may/>) at the Sainsbury Laboratory, Cambridge, on 27 May 2014

Gabriella Zuccolin

I have been awarded a Wellcome Trust Research Fellowship and joined the Department of History and Philosophy of Science in February 2014.

Publications

Chapters in books

G. Zuccolin, “Living with Animals at a 15th-Century Court: Physiognomy, Dietetics and Poetry”, in *Ethical Perspectives on Animals, 1400-1650*, ed. Burkhard Dohm et al. (Firenze: Edizioni del Galluzzo – Sismel, 2013), 65-90

Reviews

G. Zuccolin, review of the book *Making Women’s Medicine Masculine: The Rise of Male Authority in Pre-Modern Gynaecology*, by Monica H. Green, *Clio. Histoire, femmes et sociétés*, 37 (2013), 233-236.

Lectures, seminars and conferences

October 2013

Gabriella Zuccolin, “Gendering Renaissance Medicine: Vicarious Menstruation and Anomalous Bleeding” (Early Medicine Seminars, HPS, University of Cambridge, October 22, 2013)

April 2014

Gabriella Zuccolin, “Medicina a corte nei secoli tardomedievali” (History of Medieval Philosophy Seminar Series, Philosophy Faculty, University of Pavia, Italy, April 16, 2014)

September 2014

Gabriella Zuccolin, “A Pedagogic Project for a 15th Century Court: Michele Savonarola as Self-Translator” (paper presented at the 6th International Conference of the European Society for the History of Science – ESHS: Communicating Science, Technology and Medicine, Lisbon, Portugal, September 4-6, 2014)

Gabriella Zuccolin, “Medicina e Filosofia: Secoli XIII-XV” (paper presented at the 21st annual meeting for the Società Italiana per lo Studio del Pensiero Medievale – SISPM: Philosophy and Science in the Middle Ages, Salerno, Italy, September 9-12, 2014)

Public Engagement and Impact

Blog contributions

G. Zuccolin, “Nosebleed. The Many Virtues and Names of Yarrow”, Blog: The Recipes Project. Food, Magic, Science and Medicine (October 1, 2013) <http://recipes.hypotheses.org/tag/gabriella-zuccolin>

G. Zuccolin, “Medical books in the Library of Emmanuel Ximenez”, Website: Reading the Inventory. The Possessions of the Portuguese Merchant-Banker Emmanuel Ximenez (1564-1632) in Antwerp (February 2014) – co-authored with Elaine Leong <http://ximenez.unibe.ch/library/medical/>



Liba Taub and Jim Secord with Steven Kruse and Ruth Horry in the background

Seminar Programmes

Michaelmas 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.

- 24 October **Josh Nall (HPS, Cambridge)**
'A trip to Mars by aeroplane': genres of public astronomy and the practice of astrophysics in the *fin de siècle*
- 31 October **David Teplow (UCLA)**
A California Yankee in King Arthur's Court (with apologies to Mark Twain), or why a molecular neurobiologist landed in HPS
- 7 November **John Doris (Washington University in St Louis)**
Talking to our selves: reflection, scepticism and agency
- 14 November **Feredica Russo (Vrije Universiteit Brussel)**
Causal assessment and the question of stability
- 21 November **Laurence Totelin (Cardiff University)**
The love of plants: from love to sex in the history of botany
- 28 November **Richard McKay (HPS, Cambridge)**
'VD is no camp': creating and communicating knowledge about same-sex venereal disease transmission in the Anglo-American world, c.1939–1984

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

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Abstracts

24 October **Josh Nall (HPS, Cambridge)**

‘A trip to Mars by aeroplane’: genres of public astronomy and the practice of astrophysics in the *fin de siècle*

In 1901, visitors to Buffalo’s Pan-American Exposition were able to take a journey into space. Trips aboard the airship *Luna* were made by ‘a combination of electrical mechanism and scenic and lighting effects ... to produce the sensation of leaving the Earth and flying through space amidst stars, comets and planets’. Although easily dismissed as mere popular spectacle, I will argue that after 1870 emergent forms of mass media – ranging from the material culture of public expositions to newspapers, globes, magic lantern lectures, encyclopaedias, and mass-circulation periodicals and books – were integral to the development and success of a new type of imaginative astronomical practice. In the wake of fierce contests over the use and validity of new experimental astrophysical techniques in the science, this imaginative, publically-oriented astronomy was posited by some as a viable solution to the discipline’s growing crisis of identity. By exploring the wide variety of media that made this new, contested knowledge travel, I will show how practitioners both for and against imaginative astronomy engaged with genres of public science as part of their work to forge rival identities for themselves and their competing sub-disciplines. The paper suggests that the general strictures of astronomy’s cultural marketplace – the resources and constraints this public sphere provided – were embedded within, and therefore constitutive of, debates over the practice of this ‘new astronomy’.

31 October **David Teplow (UCLA)**

A California Yankee in King Arthur’s Court (with apologies to Mark Twain), or why a molecular neurobiologist landed in HPS

It is obvious that to study the history or philosophy of science, science itself must first exist. It is much less obvious to many, and especially to students, that to ‘do science’ optimally requires an equally deep grounding in the history and philosophy of science. What applies to students applies no less, and possibly even more, to professors in the natural sciences. In this seminar, I discuss the clinical and scientific history of Alzheimer’s disease, with special reference to controversies that have arisen from one of the most common and insidious errors of scientific practice, misassumption. Misassumptions will be exemplified through the consideration of a priori bias and inappropriate adherence to dogma. Examples of Kuhn-like paradigm shifts will be discussed. Concluding remarks will address the current state-of-the-art in Alzheimer’s disease research and offer suggestions for facilitating progress towards a cure.

7 November **John Doris (Washington University in St Louis)**

Talking to our selves: reflection, scepticism and agency

In philosophy, agents are often distinguished by a propensity for reflection – conscious and self-conscious mentation effecting control of behaviour. In psychology, quantities of research on parallel processing suggest that the philosophical conception of agency is empirically inadequate; much human behaviour is not consciously controlled, and is evaluatively incongruent with the deliverances of reflection. A psychologically lifelike conception of agency will therefore de-emphasize reflection; instead, the forms of self-direction marked with the honorific morally responsible agency emerge in the social dialogue by which humans regulate their behaviour.

14 November **Feredica Russo (Vrije Universiteit Brussel)**

Causal assessment and the question of stability

Causal assessment is the problem of establishing whether a relation between (variable) X and (variable) Y is causal. This problem, to be sure, is widespread across the sciences. According to the ‘received view’, invariance under intervention provides the crucial test to decide whether X causes Y. This account of invariance has been criticised, among other reasons, because it makes manipulations on the putative causal factors fundamental. Consequently, the account is ill suited to those contexts where manipulations are not performed, for instance the social sciences. In this talk, I explain why stability is an important feature of causal relations (in social contexts and elsewhere). I then discuss how to extend the received account of invariance, in a way that manipulations on the putative causal factors are not methodologically fundamental, and yet invariance remains key for causal assessment.

21 November **Laurence Totelin (Cardiff University)**

The love of plants: from love to sex in the history of botany

Love and sex were concepts prevalent in botanical writing well before Erasmus Darwin composed his *Love of the Plants*. Here I focus on the Greek and Roman tradition of plant love. While the Greeks and Romans were completely ignorant of what we now recognise as the principles of plant sexuality and pollination, they used sexual vocabulary in their description of plants. Some of the passages where this imagery is used are well known: in particular passages relating to the reproduction of the fig and the palm trees. I want to cast my net wider and show that love rather than sex is the prevalent concept in ancient botany. For beside sexual lust, ancient plants felt maternal love, filial love, hatred and friendship. I will show that this anthropomorphism in the description of plant relationships has various roots: some to be found in philosophy (where the concepts of sympathy and antipathy are important); some in poetry; some even in economic thought. My sources will be varied, ranging from the classic *History of Plants* of Theophrastus (fourth century BCE), to less well-known astro-botanical texts, and passing by the poems on grafting by Columella (first century CE) and Palladius (fifth century CE).

28 November **Richard McKay (HPS, Cambridge)**

‘VD is no camp’: creating and communicating knowledge about same-sex venereal disease transmission in the Anglo-American world, c.1939–1984

In 1964, the Mattachine Society of New York – then one of the United States’ largest groups advocating for the public understanding of homosexuals – found itself under pressure to address the issue of venereal disease (VD). Amid nation-wide concern that VD rates had been increasing steadily for a number of years, several reports highlighted the seemingly new and prominent role of homosexual men in the spread of sexually transmitted infections, particularly syphilis. At a time when homosexual relations were still penalized by law and many gay men were deeply uneasy about co-operating with public authorities, the New York Mattachine Society collaborated with the city’s health department to publish an informational leaflet, entitled ‘VD is no camp’, which was aimed specifically at this group. This presentation will examine the delicate navigations undertaken by members of the Mattachine Society to produce and distribute its leaflet. It will contrast the organisation’s collaboration with the city’s health department, on the one hand, with the suspicion of public health authorities advocated by its Californian contemporaries on the other. The presentation’s focus on these debates will highlight the need to complicate a conventional historical periodization which implies that VD did not emerge as a serious concern for men having sex with men until the 1970s. Finally, by tracing the leaflet’s circulation

beyond US borders, the presentation suggests that a transnational framework may be important when analyzing responses to VD during the middle decades of the twentieth century.

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 Natalie Lawrence.

- 14 October **Scott Mandelbrote (History, Cambridge)**
The illustration and publication of Robert Morison's *History of Plants* (1672–99)
- 21 October **Kathryn Ticehurst (University of Sydney)**
Anthropological field work in 'mixed race' Aboriginal communities in Australia, 1940–65
- 28 October Fungus Hunt at Bradfield Woods
- 4 November **Damian Hughes (De Montfort University)**
Hidden in plain sight: early ecology as visual science
- 11 November **Charissa Varma (Darwin Correspondence Project)**
Willi Hennig and philosophy
- 18 November **Anna Maerker (King's College London)**
'Dangerous and improper material': models, preparations and the relationship between object and user in 18th- and 19th-century anatomical collections
- 25 November **Andrew Buskell (HPS, Cambridge)**
Bringing up the body: psychology and embodiment in the 20th century
- 2 December **Francis Neary (HPS, Cambridge)**
The sources of Charles Darwin's work on animal reasoning

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 **Thursdays 10 & 17 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 Anna Alexandrova and Hasok Chang.

- 10 October **Matthew Lane:** Research skills training offered by the School of Humanities and Social Sciences
Patricia Fara: Scientific images
Jonathan Birch: Naturalistic philosophy
Nick Jardine: Brief overview of HPS research resources
- 17 October **Anna Alexandrova:** Introduction to research resources for philosophers
Josh Nall and Seb Falk: Researching in the Whipple Museum
James Poskett: Global histories of science
Dmitriy Myelnikov: Researching the history of 20th-century biology

Early 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!

Organised by Lauren Kassell.

22 October **Gabriella Zuccolin (Open University)**

Gendering Renaissance medicine: vicarious menstruation and anomalous bleeding

19 November **Mark Jenner (University of York)**

Polite and excrement labour? Sanitary services in London c.1650–c.1830

History of Modern Medicine and Biology 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!

Organised by Nick Hopwood and Helen Curry.

8 October **Christoph Gradmann (University of Oslo)**

Reinventing infectious disease: antibiotic resistance and drug development at the Bayer Company, 1940–1980

5 November **Christina Brandt (Ruhr University Bochum)**

The ‘premature arrival of the future’: temporalities of cloning in 1970s life sciences and culture

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.

15 October **Lisa Smith (University of Saskatchewan)**

The lived experience of fertility problems in the 18th century

12 November **Sandra Eder (University of Zurich)**

The birth of gender: transforming sex at Johns Hopkins in the 1950s

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 **5.00–7.00pm** (tea from 4.50) on **Tuesdays 29 October and 26 November in Seminar Room 1**.

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 Christopher Clarke. 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**.

- 16 October **John Dupré (University of Exeter)**
TBC
- 23 October **Phil Dawid (Statistical Laboratory, Cambridge)**
Individual risk: does it exist?
- 30 October **Robert Northcott (Birkbeck)**
Opinion polling and social science
- 6 November **Sam Fletcher (UC Irvine)**
The topology of intertheoretic reduction
- 13 November **Lena Zuchowski (HPS, Cambridge)**
Gestalt switches in the prize paper: inspiration for, but not an instance of, chaos
- 20 November **Matteo Mameli (KCL)**
TBC
- 27 November **Katie Steele (LSE)**
Climate models, calibration and confirmation
- 4 December **Kerry McKenzie (University of Calgary)**
The plurality of priority

Seminars at CRASSH

Global Science

Science operates on a global stage, but this is not a recent phenomenon. Our research group explores the relationship between global history and science studies. Science here is broadly construed. Histories of natural knowledge, technology and medicine all fall under the remit of this group. By adopting this approach we look to invite discussion on the relationship between the politics of globalisation and the making of the very category of 'science'. What counts as science is precisely the product of a series of uneven historical encounters. Often the transit of scientific material, from books to barometers, relied on the lopsided development of colonialism and global capitalism. We therefore hope to trace, not only the movement of science across borders, but also the limits of the apparent globalisation of scientific knowledge.

In 2013–2014 we bring together speakers from history, geography and anthropology. By drawing on academics from across disciplines, we offer a new base for the growing network of academics working on global histories of science.

Seminars are held on **alternate Tuesdays, 12.00–2.00pm in Room SG1, Alison Richard Building, West Road**. Organised by James Poskett, James Hall and others.

Website: www.crassh.cam.ac.uk/page/1219/global-science.htm

- 15 October **Eóin Phillips (HPS, Cambridge)**
Sujit Sivasundaram (History, Cambridge)
Feeling between the lines: astronomical situation and global history in the Pacific
- 29 October **Ruth Prince (African Studies, Cambridge)**
Traditions of health and biomedicine in modern East Africa
- 12 November **Megan Barford (HPS, Cambridge)**
Michael Bravo (SPRI, Cambridge)
The surveyors' St Lawrence, 1830–1850
- 26 November **Tara Alberts (University of York)**
Lauren Minsky (New York University Abu Dhabi)
Finding effective cures in Southeast Asia, 1500–1700: theories and practices

Things: Comparing Material Cultures, 1500–1900

The seminar meets **alternate Wednesdays, 12.00–2.00pm in Room SG1, Alison Richard Building, West Road**. Organised by Michelle Wallis, Lesley Steinitz and Sophie Waring.

- 23 October **Ulinka Rublack (History, Cambridge)**
Spike Bucklow (Hamilton Kerr Institute, Cambridge)
Reconstructing things: from colourful clothes to paintings and pigments
- 6 November **Tim Knox (Director of the Fitzwilliam Museum)**
Nicholas Tromans (Curator of the Watts Gallery)
Housing things: reconstructing the interiors of the Soane Museum and the Watts Gallery

- 20 November **Sally-Ann Ashton (Fitzwilliam Museum, Cambridge)**
Jean Michel Massing (History of Art, Cambridge)
 Carved things, carved identities: early modern Luso-African ivories and the history of African combs
- 4 December **Nicholas Thomas (Director and Curator of the Museum of Archaeology and Anthropology, Cambridge)**
Anita Herle (Museum of Archaeology and Anthropology, Cambridge)
 Things between places: artefacts from Oceania and the Museum of Archaeology and Anthropology

Field Notes: Histories of Archaeology and Anthropology

The seminar meets **alternate Mondays, 5.00–7.00pm in the Seminar Room, Alison Richard Building, West Road**. Organised by William Carruthers and others.

Further information at www.crassh.cam.ac.uk/page/1113/field-notes.htm

- 14 October **Astrid Swenson (Brunel University)**
 Of cats, cathedrals and crusaders: rethinking approaches to ‘heritage’ through representations of restoration in Cyprus
- 28 October **Miquel Carandell Baruzzi (Universitat Autònoma de Barcelona)**
 People and Places Reading Group: Experts, politicians, labs and media in late 20th-century palaeoanthropological knowledge production
- 11 November **Helen Roche (Classics, Cambridge)**
 Narrating the fall of empires in Weimar and National Socialist racial ideology
- 25 November **Debbie Challis (UCL)**
 Skull triangles: Flinders Petrie, craniometry and race

Graduate workshops and seminars

HPS History Workshop

Need help writing a tricky part of your argument? Need some fresh ideas and references? Or simply want to see how your early-career colleagues approach the writing process? The History Workshop is an informal setting to discuss our written works-in-progress on any area of the history of science, technology and medicine, and share feedback. A draft PhD 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 Andreas Sommer or Seb Falk if you are interested in sharing your work in this forum, or would like to be added to the mailing list.

- 23 October **Zina Ward (Philosophy, Cambridge)**
The changing face of Penfield's homunculus
- 6 November **Margaret Carlyle (HPS, Cambridge)**
Illustrating Enlightenment science: women at the margins in 18th-century France
- 20 November **Allegra Fryxell (History, Cambridge)**
'The past which gnaws into the future': figuring 'time' in late 19th-century philosophy and psychology
- 4 December **Sophie Waring (HPS, Cambridge)**
Finding space to swing a pendulum: the Board of Longitude and 19th-century geodesy, weights and measures

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 available at www.hps.cam.ac.uk/students/training.

Science in Print: Understanding Book Production from the Sixteenth to the Nineteenth Centuries

A series of five sessions led by Roger Gaskell, Anna Jones and Jim Secord on **Tuesdays at 11am in the Whipple Library**, starting on 5 November.

Understanding the book as a physical object is a vital complement to the study of its contents, helping to locate its economic and social context, its audience, and ultimately its historical significance. Using examples from the Whipple Library's rare book collections and the University Library's Historical Printing Collection, this workshop series will explore some bibliographical techniques to identify and describe the structure and production of printed material from the hand press (16th–18th centuries) and mechanized (19th century) periods.

Particular attention will be given to illustration processes. Sessions will be organised thematically as follows, and can be attended individually, but participants will benefit from attending the whole series if possible:

- 5 November Survey of the hand press period
- 12 November Book production in the hand press period
- 19 November Field trip to UL Historical Printing Room to see hand press in action*
- 26 November Analysis of hand press period books
- 3 December Nineteenth-century book production

This series is open to all (undergraduates, graduates and beyond). Please contact Anna Jones to register your interest as places may be limited to ensure all have full access to the examples.

* This session will take place in the Historical Printing Room at the University Library – booking compulsory.

Aims and Methods of Histories of the Sciences

A series of six workshops led by Nick Jardine on **Mondays at 11am in Seminar Room 1**, starting on 28 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.

Reading and discussion groups

Nature and Culture Reading Group

Meetings will take place on **Tuesdays, 1.00–2.00pm in Seminar Room 1**. For further information contact Beth Hannon or Christopher Clarke.

- 15 October Defining Religion in Anthropology
Eller, Jack 2007 'Studying Religion Anthropologically: Definitions and Theories' Chapter 1 from *Introducing the Anthropology of Religion* (London: Routledge) 1–27
- 22 October Defining Religion II
Asad 1993 [1982] Excerpt from 'The Construction of Religion as an Anthropological Category' *Genealogies of Religion: Discipline and Reasons of Power in Christianity and Islam* (Baltimore: John Hopkins) 27–54
McCutcheon, Russell T. 2012 'More than a shapeless beast: Lumbering through the academy' Chapter 1 from *Critics Not Caretakers: Redescribing the Public Study of Religion* (SUNY Press)
- 29 October Religious Symbols: Structural Functionalism
E.E. Evans-Pritchard, 1956 Excerpt from 'The Problem of Symbols', in *Nuer Religion* (Oxford: Clarendon Press)
Malinowski 1954 [1926] Excerpt from 'Myth in Primitive Psychology' from *Magic Science and Other Essays*, 100–26
- 5 November Religious Symbols: Geertz and Hermeneutics
Hamilton, M. 2001 'Religion and Meaning' and 'Secularization' from *The Sociology of Religion* (London: Routledge) 177–214
- 12 November Interpreting Religious Behaviour
Winch, Peter 1964 'Understanding a Primitive Society' *American Philosophical Quarterly*, 1: 307–324
- 19 November Interpreting Irrational Behaviour
Risjord, Mark 2000 chapter 4 from *Woodcutters and Witchcraft: Rationality and Interpretive Change in the Social Sciences*
- 26 November Cognitive Approaches to Religion
Boyer, Pascal 2001 Excerpt from 'What are the Origins?' chapter 1 in *Religion Explained: The Evolutionary Origins of Religion* (Basic Books) 1–51
- 3 December Cognitive Approaches to Religion II
Lawson, E. Thomas and Robert N. McCauley 1990 'Connecting the cognitive and the cultural' Chapter 7 in *Rethinking Religion: Connecting Cognition and Culture* (Cambridge University Press) 170–84

History and Theory Reading Group

Meetings take place on **alternate Fridays, 3.30 to 5.00pm in Seminar Room 1**. Organised by Minwoo Seo, Eóin Phillips and Megan Barford. All welcome!

- 18 October Giorgio Agamben, 'What is a paradigm?'

- Peter Dear, 'Science Is Dead; Long Live Science', *Osiris* (2012) 37–55
- Paul Veyne, 'Foucault revolutionises history' in Arnold Davidson, *Foucault and His Interlocutors* (1997)
- 1 November Mark Phillips, 'On the Advantage and Disadvantage of Sentimental History for Life', *History Workshop Journal* (2008)
- Mark Phillips, 'Distance and historical representation', *History Workshop Journal* (2004)
- 15 November Peter Galison, 'Trading with the Enemy' in Michael Gorman, *Trading Zones and Interactional Expertise* (2010)
- Marilyn Strathern, 'The Nice Thing about Culture Is That Everyone Has It' in Marilyn Strathern, *Shifting Contexts* (1994)
- Bruno Latour, 'Localising the Global' in Bruno Latour, *Reassembling the Social* (2005)
- 29 November Theodore Porter, 'Thin Description: Surface and Depth in Science and Science Studies', *Osiris* (2012) 209–226
- Franco Moretti, 'Conjectures on World Literature', *New Left Review* (2000)

Calculating People: A History and Philosophy of Social Science Reading Group

Social and Individual Agency in Epistemology

We will meet on **Thursdays, 2pm–3.30pm in Seminar Room 1** on the dates listed below; additional meetings may be organised if there is interest. Organised by Hasok Chang and Anna Alexandrova.

- 10 October Hasok Chang, 'Philosophy of Scientific Practice: The Challenge of the Social' (manuscript)
- 17 October Melinda Fagan, 'Do Groups Have Scientific Knowledge?', in Sara Chant, Frank Hindriks, and Gerhard Preyer, eds., *From Individual to Collective Intentionality: New Essays*, Oxford University Press (in press, to appear in January 2014)
- 31 October Martin Kusch, *Knowledge by Agreement: The Programme of Communitarian Epistemology* (Oxford: Clarendon Press), 175–196 (chapter 14, 'Normativity and Community')
- 21 November Lev S. Vygotsky, *Mind in Society: The Development of Higher Psychological Processes*, with an introduction by Michael Cole and Sylvia Scribner (Cambridge, Mass.: Harvard University Press, 1978), chapters 4 and 6, and Afterword

Twentieth Century Reading Group

The group discusses books and papers relating to the history and historiography of 20th-century science, technology and medicine, broadly construed. Readings can be found in advance in our Whipple Library box.

Meetings are **every other Thursday from 1–2pm in the Lodge Seminar Room**.

Organised by Dmitriy Myelnikov and Kathryn Schoefert.

- 17 October Introduced by **Helen Curry**
Etienne Benson, *Wired Wilderness: Technologies of Tracking and the Making of Modern Wildlife* (Baltimore: Johns Hopkins University Press, 2010)
– Introduction
– Chapter 1, Cold War Game
- 31 October Introduced by **Michael McGovern**

Nathan Ensmenger, *The Computer Boys Take Over: Computers, Programmers, and the Politics of Technical Expertise* (Cambridge, MA: MIT Press, 2010)

- Introduction
- Chapter 2, The Black Art of Programming
- *Optional*: Chapter 4, Tower of Babel

14 November Introduced by **Salim Al-Gailani**

David Wright, *Downs: The History of a Disability* (Oxford: Oxford University Press, 2011)

- Chapter 4, *Trisomie vingt-et-un*
- Chapter 5, Into the mainstream

28 November Introduced by **Dmitriy Myelnikov**

Angela Creager, *Life Atomic: A History of Radioisotopes in Science and Medicine* (Chicago & London: University of Chicago Press, 2013)

- Chapters TBC

Science and Literature Reading Group

We meet on **Mondays from 7.30 to 9pm in the Godwin Room at Clare College (Old Court)**. Organised by Liz Smith (Darwin Correspondence Project), Esther Momcilovic (HPS) and Daniel Friesner (Science Museum). All welcome!

21 October Do objects exist when I am not perceiving them?

E.M. Forster, *The Longest Journey* (1907), Chapter 1

Ray Bradbury, 'No particular night or morning', in *The Illustrated Man* (1951)

These readings are available online: follow the links from

www.hps.cam.ac.uk/seminars/slrg.html

18 November The birth of cyberpunk

William Gibson, *Neuromancer* (1984). Available for £5.59 from amazon.co.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.

This term's meetings take the form of a *Postcolonial Science Reading Group*.

Meetings are held **every other Thursday, 1–2pm in Seminar Room 1**. All welcome!

Organised by Noemi Tousignant, Branwyn Poleykett and John Manton.

10 October Issues and approaches

Sandra Harding, 'Introduction. Beyond Postcolonial Theory: Two Undertheorized Perspectives on Science and Technology', in Sandra Harding, ed. *The Postcolonial Science and Technology Studies Reader* (Durham and London: Duke University Press, 2011): 1–32.

24 October Science as liberation

David Arnold, 'Nehruvian Science and Postcolonial India', *Isis*, 2013, 104: 360–370 (free access on Jstor).

'The African Manifesto for Science, Technology and Innovation' (online), pp 3–12.

7 November Science as hierarchy

Guillaume Lachenal, 'The Intimate Rules of the French Coopération: Morality, Race and the Postcolonial Division of Scientific Work at the Pasteur Institute of Cameroon', in Geissler, Wenzel, and Catherine Molyneux, eds. *Evidence, Ethos and Experiment: The Anthropology and History of Medical Research in Africa* (Berghahn Books, 2011): 373–402.

21 November Science as violence

Ashis Nandy, 'Introduction: science as a reason of state', *Science, hegemony and violence: a requiem for modernity* (1988): 1–23 (online).

Philosophy of Psychology Reading Group ***Measurement and Mis-measurement in Psychology***

We meet on **Thursdays, 11am–12noon in Seminar Room 1**. Organised by Riana Betzler.

- 10 October Introduction to philosophy of psychology
Bermudez, J.L. (2005). Chapter 1: What is the philosophy of psychology? In *Philosophy of Psychology: A Contemporary Introduction* (pp. 1–14). New York and London: Routledge.
- 17 October Measurement in Psychology 1
Michell, J. (1999). Chapter 1: Numerical data and the meaning of measurement. *Measurement in Psychology* (pp. 1–24). Cambridge: Cambridge University Press.
- 24 October Measurement in Psychology 2
Cronbach, L.J. & Meehl, P.E. (1955). Construct Validity in Psychological Tests. *Psychological Bulletin*, 52, pp. 281–302.
- 31 October Psychometrics
Boorsboom, D., Mellenbergh, G.J., & Heerden, J.v. (2004). The Concept of Validity. *Psychological Review*, 111(4), pp. 1061–1071.
Michell, J. (2008). Is Psychometrics Pathological Science? *Measurement: Interdisciplinary Research and Perspectives*, 6(1–2), pp. 7–24.
- 7 November Measuring Difficult Things: Empathy
Zhou, Q., Valiente, C. & Eisenberg, N. (2003). Empathy and Its Measurement. In S.J. Lopez & C.R. Snyder (eds.), *Positive Psychological Assessment: A Handbook of Models and Measures* (pp. 269–284). Washington DC: American Psychological Association.
Hornblow, A.R. (1980). The Study of Empathy. *New Zealand Psychologist*, 9, 19–28.
- 14 November Measuring Difficult Things: Wisdom
Sternberg, R.J. (1998). A Balance Theory of Wisdom. *Review of General Psychology*, 2(4), 347–365.
Staudinger, U.M. & Leipold, B. (2003). The Assessment of Wisdom-Related Performance. In S.J. Lopez & C.R. Snyder (eds.), *Positive Psychological Assessment: A Handbook of Models and Measures* (pp. 171–180). Washington DC: American Psychological Association.
- 21 November Mis-measurement: Replication issues in social psychology
Bargh, J.A., Chen, M. & Burrows, L. (1996). Automaticity of Social Behavior: Direct Effects of Trait Construct and Stereotype Activation on Action. *Journal of Personality and Social Psychology*, 71(2), pp. 230–244.

Doyen, S., Klein, O., Pichon, C. & Cleeremans, A. (2012). Behavioral Priming: It's all in the Mind, but Whose Mind? *PLoS One*, 7(1), pp. 1–7.

And some relevant popular press articles about the issue:

Yong, E. (2012). Replication Studies: Bad copy. *Nature*, 485, pp. 298–300.

Bower, B. (2012). The hot and cold of priming: Psychologists are divided on whether unnoticed cues can influence behavior. *Science News*, 181(10), pp. 26–29.

Bargh, J.A. (2012). Priming Effects Replicate Just Fine, Thanks. *Psychology Today*.

Marcus, G. (2013). The crisis in social psychology that isn't. *The New Yorker*.

Kahneman's open letter: A proposal to deal with questions about priming effects.

28 November Mis-measurement: Fallacies in perception research

Firestone, C. (2013). How 'paternalistic' is spatial perception? Why wearing a heavy backpack doesn't – and couldn't – make hills look steeper. *Perspectives on Psychological Science*, 8, pp. 455–473.

Proffitt, D.R. (2013). An Embodied Approach to Perception: By what units are visual perceptions scaled? *Perspective on Psychological Science*, 8, pp. 474–483.

Optional: Firestone, C. & Scholl, B.J. (in press). 'Top-down' effects where none should be found. The El Greco fallacy in perception research. *Psychological Science*.

CamPhor (Phenomenology) Reading Group

This reading group examines the 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 Michaelmas Term, we will be reading work by John Haugeland, predominantly those essays collected in his posthumously published book *Dasein Disclosed* (edited by Joseph Rouse). The primary focus of this term's readings will be how Haugeland's existential conception of 'understanding' illuminates issues within the philosophy of science. At the same time however, the group aims at a greater understanding of this philosopher's contribution to a rapprochement between phenomenology and contemporary analytic philosophy.

Photocopies of the relevant chapters can be made available by request.

Meetings are **every Friday from 12–1pm in Seminar Room 1**. You are welcome to bring your lunch with you. Organised by Andrew Buskell.

Readings from:

Having Thought are from Haugeland, J. (1998) *Having Thought*, Harvard University Press: Cambridge, MA.

Dasein Disclosed are from Haugeland, J. (2013) *Dasein Disclosed*, Harvard University Press: Cambridge, MA.

11 October Chang, H. 'Ontological Principles and Intelligibility of Epistemic Activities', in Henk de Regt, Sabina Leonelli, and Kai Eigner, eds., *Scientific Understanding: Philosophical Perspectives*, University of Pittsburgh Press: Pittsburgh, pp. 64–82

Haugeland, J. 'Introduction', in *Having Thought*, pp. 1–6

18 October Haugeland J. 'Two Dogmas of Rationalism', available online

- Rouse, J. 'Heidegger's Philosophy of Science', in Mark Wrathall and Hubert Dreyfus eds., *A Companion to Heidegger*, Blackwell: Oxford, pp. 173–189
- 25 October Haugeland, J. 'Understanding: Dennett and Searle' in *Having Thought*, pp. 291–304
De Regt, H.W. 'Discussion Note: Making Sense of Understanding', *Philosophy of Science*, Vol. 71(1), pp. 98–109
- 1 November Haugeland, J. 'Authentic Intentionality', in *Dasein Disclosed*, pp. 260–274
- 8 November Haugeland, J. Part 1 of 'Truth and Rule Following', in *Having Thought*, pp. 305–327 (up to, but not including, §10)
- 15 November Haugeland, J. Part 2 of 'Truth and Rule Following', in *Having Thought*, pp. 327–354
- 22 November Haugeland, J. 'Letting Be', in *Dasein Disclosed*, pp. 167–178
- 29 November Haugeland, J. 'Truth and Finitude', in *Dasein Disclosed*, pp. 187–220

Kant Reading Group

In Michaelmas Term we will read the Transcendental Aesthetic of the *Critique of Pure Reason*. Since this is a short, but very dense text, we will supplement it with a few additional primary passages as well as selected secondary literature. Our focus will be on a careful analysis of Kant's arguments. Topics to be discussed include the following: the distinction between intuitions and concepts; the notion of a pure intuition; Kant's philosophy of geometry; and Transcendental Idealism.

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 Thomas Land.

- 15 October Tr. Aesthetic, §§1, 2 and 4 (focus on the first two Space Arguments and the first two Time Arguments)
Daniel Warren, 'Kant and the Apriority of Space', *Philosophical Review* 107:2 (1998), 179–224.
- 22 October Tr. Aesthetic, §§2 and 4 (focus on the last two Space Arguments and the last two Time Arguments)
Lanier Anderson, 'The Wolffian Paradigm'
- 29 October 'The Discipline of Pure Reason in its Dogmatic Use' (A712/B740–A738/B766)
Kästner Review ("Über Kästners Abhandlungen", Ak. 20: 410–423; translation Henry Allison, *The Kant-Eberhard Controversy*, Baltimore: Johns Hopkins UP, 1973)
Emily Carson, 'Kant on Intuition in Geometry', *Canadian J of Phil* 27 (1997), 489–512.
- 5 November Tr. Aesthetic, §3
Lisa Shabel, 'Kant's "Argument from Geometry"', *Journal of the History of Philosophy* 42 (2004), 195–215
- 12 November Tr. Aesthetic, A26/B42–A30/B45 and §§6–8
- 19 November Lucy Allais, 'Kant's Idealism and the Secondary-Quality Analogy', *Journal of the History of Philosophy* 45:3 (2007), 459–84
- 26 November Desmond Hogan, 'How to Know Unknowable Things in Themselves', *Nous*, 43:1 (2009), 49–63
- 3 December TBC

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 Richard Staley, *Einstein's Generation: The Origins of the Relativity Revolution* (Chicago: University of Chicago Press, 2008). This book is available for purchase (in paperback); there will also be copies on reserve in the Whipple Library.

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 alchemy and chemistry. This term's theme is '**Early Modern 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.

Thursday 10 October (7pm):

'Practically Making the Philosophers' Stone: Recreating Alchemical Experiments'

Lecture by **Jennifer Rampling (HPS, Cambridge)**, sponsored by the Royal Society of Chemistry.

Venue: Department of Chemistry, Lensfield Road.

21 October **Anke Timmermann (Cambridge University Library)**

Rhyming recipes and alchemy

Selection of alchemical poems from Elias Ashmole (ed.), *Theatrum Chemicum Britannicum* (London, 1652).

Didier Kahn, 'Alchemical Poetry in Medieval and Early Modern Europe: A Preliminary Survey and Synthesis. Part I – Preliminary Survey', *Ambix*, 57 (2010): 249–274; and 'Part II – Synthesis', *Ambix*, 58 (2011): 62–77.

11 November **Stephen Clucas (Birkbeck, University of London)**

John Dee and alchemy

Nicholas H. Clulee, 'Astronomia inferior: Legacies of Johannes Trithemius and John Dee', in William R. Newman and Anthony Grafton (eds.), *Secrets of Nature: Astrology and Alchemy in Early Modern Europe* (Cambridge, MA: MIT Press, 2001), pp. 173–233.

Nicholas H. Clulee, *John Dee's Natural Philosophy: Between Science and Religion* (London and New York: Routledge, 1988), Chapter 4 ('The Hieroglyphics of Nature'), pp. 77–115.

2 December **Simon Werrett (University College London)**

Early modern pyrotechnics

Simon Werrett, *Fireworks: Pyrotechnic Arts and Sciences in European History* (Chicago, 2010), Introduction and Ch. 1 ('"Perfecting the Pyrotechnique story": The Ingenious Invention of Artificial Fireworks'), pp. 1–46.

Language groups

Latin Therapy

Latin Therapy is an informal reading group. All levels of Latin (including beginners) are very welcome. We meet **every Friday in the Lodge Seminar Room from 4.00 to 5.30pm**, to translate and discuss a text from the history of science, technology or medicine. If a primary source is giving you grief, we'd love to help you make sense of it over tea and biscuits! Thus we provide a free translation service for the Department, and a means for members to brush up their skills.

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 Plato's *Crito*. For more information or to be added to the mailing list, please email Liz Smith. Please note that there will be no session on Wednesday 30 October.

Lent Term 2014

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.

- 16 January *Ninth Cambridge Wellcome Lecture in the History of Medicine*
Malcolm Nicolson (University of Glasgow)
The clinic of the birth: obstetric ultrasound, medical innovation and the clinico-anatomical project
- 23 January **Phyllis Illari (UCL)**
Information channels and biomarkers of disease
- 30 January **Alice Bamford (English, Cambridge)**
Demotic mathematics and modernism's shipwrecked poetics of insurance
- 6 February **Geoffrey Cantor (UCL)**
New perspectives on the Great Exhibition
- 13 February **Shane Glackin (University of Exeter)**
Two views of linguistic science and its data
- 20 February **Catherine Jami (CNRS-SPHERE, Paris)**
Science and empire: the view from Beijing, c. 1700
- 27 February **Stephen Pumfrey (Lancaster University)**
Harrisonomastix: dismantling the connection between experimental religion and experimental science in early modern England
- 6 March **Rae Langton (Philosophy, Cambridge)**
Generic speech acts and social kinds

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

16 January *Ninth Cambridge Wellcome Lecture in the History of Medicine*

Malcolm Nicolson (University of Glasgow)

The clinic of the birth: obstetric ultrasound, medical innovation and the clinico-anatomical project

Ultrasonic images of the fetus are now ubiquitous. Like many innovations in medical imaging, the origins of obstetric ultrasound are often located in medical physics and engineering rather than to clinical medicine. I will argue, by contrast, for the crucial role of clinical pathology in the invention of diagnostic ultrasound. Several authors, notably Foucault in *The Birth of the Clinic*, have described the impact on 19th-century medicine of systematic correlation between lesions revealed upon dissection and signs and symptoms observed while the patient was still alive. Laboratory medicine is widely presented as having eclipsed the clinico-anatomical project in the 20th century. This lecture will show that clinical pathology continued to inspire innovation in medical imaging after 1950. It will also argue that ultrasonic scanning is more like traditional forms of physical examination than is usually assumed.

Discussion led by Malcolm Nicolson: James Young Simpson, the practice of gynaecological examination, and the 19th-century medical gaze

Thursday 16 January at 11.30am in Seminar Room 1 – all welcome

Historians of gynaecology and obstetrics enjoy relating tales of the 18th-century man-midwife fumbling blindly under bedclothes or petticoats. Such stories serve to mark a vivid contrast between an older, backward form of practice and a reformed gynaecology led by far-sighted men like James Young Simpson, Edinburgh Professor of Midwifery and pioneer of obstetric analgesia. It is assumed that Simpson, as a disinterested scientific clinician, would have had unrestricted access to the bodies of his patients. The removal of prudish hindrances signals how far gynaecology had emancipated itself from a benighted past. However, reading Simpson, it is evident that, in mid century, the practitioner's ability to examine female patients remained constrained by social conventions. Thus, the extent to which Simpson's practice represents a complete departure from older modes of gynaecological work has been exaggerated. By the 1850s, the medical gaze had gained only partial and conditional access to the female body.

23 January **Phyllis Illari (UCL)**

Information channels and biomarkers of disease

Current research in molecular epidemiology uses biomarkers to model the different disease phases from environmental exposure, to early clinical changes, to development of disease. The hope is to get a better understanding of the causal impact of a number of pollutants and chemicals on several diseases, including cancer and allergies. In a recent paper Russo and Williamson (2012) address the question of what evidential elements enter the conceptualisation and modelling stages of this type of biomarkers research. Recent research in causality has examined Ned Hall's distinction between two concepts of causality: production and dependence (Hall, 2004). In another recent paper, Illari (2011b) examined the relatively under-explored production approach to causality, arguing that at least one job of an account of causal production is to illuminate our inferential practices concerning causal linking. Illari argued that an informational account solves existing problems with traditional accounts.

This paper follows up this previous work by investigating the nature of the causal links established in biomarkers research, examining the methodologically innovative current FP7 project EXPOsOMICS

(www.EXPOsOMICSproject.eu). We argue that traditional accounts of productive causality are unable to provide a sensible account of the nature of the causal link in biomarkers research, while an informational account is very promising.

30 January **Alice Bamford (English, Cambridge)**

Demotic mathematics and modernism's shipwrecked poetics of insurance

'Demotic' or vernacular mathematics names the mathematical ideas and practices that are woven into literature: counting, statistics, half-forgotten schoolroom geometry, measurement and risk. In this paper I will unpick the ideas about probability that literary modernism inherits from mathematical probability theory, statistics, accident insurance and 19th-century philosophy. Adolphe Quetelet believed that the mean values of society's gathered facts could form the contours both of the 'average man' and of a refined literary method. The literary future of the average man didn't, of course, play out quite as Quetelet expected. Nonetheless the average man, the Gaussian distribution and the 'law of large numbers' have had a literary history. I will sketch one version of this history through a reading of Robert Musil's *The Man Without Qualities* (1930–43) before looking at the grammar of probability as it is lived with, habituated and estranged by modernism's 'insurance men': Leopold Bloom, Wallace Stevens and Franz Kafka. The categories I will propose ('demotic mathematics' and the 'poetics of insurance') are tentative attempts to take the history and sociology of applied mathematics into account when reading literature written 'in the landscape of the curve'.

6 February **Geoffrey Cantor (UCL)**

New perspectives on the Great Exhibition

The Great Exhibition of 1851 is widely regarded as a major public event that has provided a common focus for scholars studying diverse aspects of 19th-century history. However, despite an extensive secondary literature the meaning of the Exhibition has proved elusive and research has concentrated on a few disparate areas to the neglect of many others. In gathering material for a recently-published documentary history of the Exhibition I became increasingly aware of the vast range of meanings that contemporaries attributed to it – scientific, technological, social, political, religious, etc. – while historians have added further perspectives. The problem of engaging the Exhibition is compounded by the extensive range of sources that it generated, some of which have been neglected by historians; in particular commentaries in the contemporary periodical literature and the accounts written by visitors. Thus, for example, in contrast to the narratives manufactured by the Exhibition's organisers, visitors' accounts show how individuals with different backgrounds and interests navigated the Exhibition. Drawing on a variety of sources this paper will offer some new perspectives on the Exhibition and its significance for the history of the mid-19th century.

13 February **Shane Glackin (University of Exeter)**

Two views of linguistic science and its data

According to the increasingly radical view of Noam Chomsky and his followers, the only proper object of a truly scientific biolinguistics is the 'I-language'; the internal neurological structures possessed by individual mature speakers, and realised in their substantially-overlapping idiolects. According to a rival view, advanced by Stephen Anderson, Eva Jablonka, and myself, it makes neither conceptual nor evolutionary sense to think about the I-language in isolation from the public language object – corresponding more or less to Saussure's *langue* – of which it forms part.

As I further argue here, we cannot even have a *coherent* science concerned solely with idiolects. Chomsky advocates a ‘Galilean’ understanding of science, in which no individual datum or observation need tally exactly with the predictions of ‘idealised’ covering laws; but the idea that linguistics is concerned only with the I-language is belied by linguists’ real-life methodology, which could not even make sense of linguistic data considered independently of the wider, norm-giving, linguistic community. Specifically, the ubiquitous process of identifying aberrant or ‘ungrammatical’ utterances presumes a normative status for grammatical rules which is explicitly eschewed by Chomsky, and available to linguists only on a communitarian understanding of language as a necessarily public phenomenon.

20 February **Catherine Jami (CNRS-SPHERE, Paris)**

Science and empire: the view from Beijing, c. 1700

Twentieth-century historiography of imperialism has consistently depicted China as patient rather than as agent. This view ignores the fact that from the mid-17th century onwards, Beijing was the centre of a large and aggressively expanding empire, an empire unique in that the great majority of its conquests remain intact to the present day. The neglected example of this great land empire enables us to transcend the stereotype of science and empire studies as mainly or solely concerned with the expansion of European powers overseas. In this talk, I will show how the sciences of empire were constructed during the first century of the Qing dynasty (1644–1911). Conversely, I will explore the extent to and the ways in which the Qing expansion in central Asia broadened the Chinese world of knowledge.

27 February **Stephen Pumfrey (Lancaster University)**

Harrisonomastix: dismantling the connection between experimental religion and
experimental science in early modern England

The main purpose of this seminar is to demonstrate the power of research methods being developed at Lancaster University which apply computer linguistic analyses to scientific (and other) texts made available via *Early English Books Online*. The seminar will focus on early modern English discourses of experiment. I will argue that these methods have refuted the claim of Prof. Peter Harrison (*Intellectual History*, 2011: doi: 10.1080/17496977.2011.623882) that discourse of ‘experimental philosophy’ was facilitated by an earlier discourse of ‘experimental religion’.

6 March **Rae Langton (Philosophy, Cambridge)**

Generic speech acts and social kinds

Generics are a primitive default mode of generalizing: ‘Tigers have stripes’, ‘Birds fly’, ‘Mosquitoes carry the West Nile virus’. They pick up on significant or striking properties, and link them to a psychologically salient kind. Current work in psychology reveals their role in ‘essentialist’ thinking about natural and social kinds. I want to focus on their social role – e.g. ‘Women can’t do science’, ‘Hispanics are lazy’ – connecting this with their force when used in illocutionary speech acts. In the social domain generic speech acts can be powerful tools for the expression and creation of social norms, group prejudice, stereotyping, and hate speech. Their subtle workings make them hard to notice, and hard to fight. This talk will identify some problems, but thoughts about remedies will be welcome.

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 Natalie Lawrence.

- 20 January **Gowan Dawson (University of Leicester)**
Citizen Cuvier: radical appropriations of Georges Cuvier's law of correlation in Edinburgh and London, 1801–1837
- 27 January **Cassandra Gorman (English, Cambridge)**
The atom as metaphor: responses to atomism in 17th-century English literature
- 3 February **Anna Marie Roos (University of Lincoln)**
The elephant in the room: historians and scientists working together
- 10 February **Joydeep Sen (University of Kent)**
Philology, mythology and geology in colonial India
- 17 February **Margaret Carlyle (HPS, Cambridge)**
Skeletons in the cabinet and the Grand Tour of anatomy
- 24 February Cabinet outing: Linnean Society
- 3 March **Jon Agar (UCL)**
What counts as threatened? Population biology, objectivity and the sixth extinction
- 10 March **James Poskett (HPS, Cambridge)**
National types: the transatlantic publication and reception of *Crania Americana* (1839)

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.

This term's meetings are devoted to an exploration of atomic lives/the atomic age, and will complement a related set of readings in the Twentieth Century Reading Group, which meets on alternate Thursdays.

Think Tank meetings are held **every other Thursday, 1–2pm in Seminar Room 2**, beginning in the third week of term. All welcome! Organised by Richard Staley.

- 30 January **Richard Maguire (University of East Anglia)**
Framing the nuclear: the psychology of British governmental nuclear decision making
- 13 February **Milena Wazeck (University of East Anglia)**
Acid fallout: the 1980s US scientific and political debates on the atmospheric transport of sulphur dioxide
- 27 February **Adrian Bingham (University of Sheffield)**
'The monster'? The British popular press and nuclear culture, 1945–1960s

Early Medicine Seminars

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 2**. Tea and biscuits are available from 4.40pm. All welcome!

Organised by Lauren Kassell.

4 March **Sandra Cavallo (Royal Holloway)**

From the individual to the collective: changing ideas of complexion in the Italian health-advice literature of the long 16th century

History of Modern Medicine and Biology Seminars

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 2**. Tea and biscuits are available from 4.40pm. All welcome!

Organised by Helen Curry and Nick Hopwood.

21 January **Dmitriy Myelnikov (HPS, Cambridge)**

The multiple inventions of transgenic mice

25 February **Niki Vermeulen (University of Manchester)**

From reductionism towards integration: systems biology as a scientific social movement

Generation to Reproduction Seminars

This term we have two joint events at different times and in different places from usual.

Monday 27 January, 5.15pm

Helen King (Open University)

One-sex, two-sex, them and us? Changing sex and challenging 'Making Sex'

Joint event with CIRF and the Classics Faculty (c caucus).

Note: This seminar is at 5.15pm in Room G21 in the Faculty of Classics (Sidgwick Site).

Tuesday 18 February, 8.30pm

Alexandra Walsham (History, Cambridge)

Spiritual genetics: hereditary sin and religious genealogy in early modern England

Joint event with the Comparative Social and Cultural History Seminars on 'Generations'.

Note: This seminar is at 8.30pm in the Senior Parlour, Gonville Court, Gonville and Caius College.

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 **5.00–7.00pm** (tea from 4.50) on **Tuesdays 11 February and 11 March in Seminar Room 1**.

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 Christopher Clarke. 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**.

- 22 January **Mauricio Suarez (Complutense University of Madrid)**
Propensities and pragmatism
- 29 January **Lisa Bortolotti (University of Birmingham)**
The epistemic innocence project
- 5 February **Tim Lewens (HPS, Cambridge)**
TBC
- 12 February **Sophia Efstathiou (Norwegian University of Science and Technology)**
TBC
- 19 February **Alexander Bird (University of Bristol)**
Inference to the best explanation and paradigms
- 26 February **Leon Horsten (University of Bristol)**
TBC
- 5 March **Caterina Marchionni (University of Helsinki)**
TBC
- 12 March **Theo Kuipers (University of Groningen)**
Nomic truth approximation by revising models and postulates in the light of increasing evidence

Seminars at CRASSH

Global Science

Science operates on a global stage, but this is not a recent phenomenon. Our research group explores the relationship between global history and science studies. Science here is broadly construed. Histories of natural knowledge, technology and medicine all fall under the remit of this group. By adopting this approach we look to invite discussion on the relationship between the politics of globalisation and the making of the very category of 'science'. What counts as science is precisely the product of a series of uneven historical encounters. Often the transit of scientific material, from books to barometers, relied on the lopsided development of colonialism and global capitalism. We therefore hope to trace, not only the movement of science across borders, but also the limits of the apparent globalisation of scientific knowledge.

In 2013–2014 we bring together speakers from history, geography and anthropology. By drawing on academics from across disciplines, we offer a new base for the growing network of academics working on global histories of science.

Seminars are held on **alternate Tuesdays, 12.00–2.00pm in Room SG1, Alison Richard Building, West Road**. Organised by James Poskett, James Hall and others.

Website: www.crassh.cam.ac.uk/programmes/global-science

- 21 January **Alison Bashford (History, Cambridge)**
Richard McKay (HPS, Cambridge)
Quarantine: local and global histories
- 4 February **Howard Chiang (University of Warwick)**
Rachel Leow (History, Cambridge)
Sex changed China: science, medicine and visions of transformation
- 18 February **Antonia Walford (University of Manchester / Open University)**
Jon Agar (UCL)
Scientific knowledge, observational data, and 'dead heads': a comparative exploration of informational flux in the Brazilian Amazon
- 4 March **Caroline Cornish (Royal Holloway / Kew)**
Francis Neary (Darwin Correspondence Project, Cambridge)
Imperial indigo: Kew, T.N. Mukharji, and the 19th-century exhibitionary complex

Things: Comparing Material Cultures, 1500–1900

The seminar meets **alternate Wednesdays, 12.00–2.00pm in Room SG2, Alison Richard Building, West Road**. Organised by Michelle Wallis, Lesley Steinitz and Sophie Waring.

Website: www.crassh.cam.ac.uk/programmes/things

- 15 January **Jason Scott-Warren (English, Cambridge)**
Nancy Cox (University of Wolverhampton)
Inventories of things

- 29 January **Lawrence Klein (History, Cambridge)**
Kate Retford (Birkbeck)
 Polite things (to talk about): conversation pieces
- 12 February **Sarah Ann Robin (Lancaster University)**
Sally Holloway (Royal Holloway)
 Romantic things
- 26 February **Tara Hamling (University of Birmingham)**
Catherine Richardson (University of Kent)
 Domestic things

Field Notes: Histories of Archaeology and Anthropology

The seminar meets **alternate Mondays, 5.00–7.00pm in Room SG1, Alison Richard Building, West Road.**

Organised by William Carruthers and others.

Website: www.crassh.cam.ac.uk/programmes/field-notes

- 20 January **Richard Staley (HPS, Cambridge)**
Simon Schaffer (HPS, Cambridge)
 Physics, anthropology and the cultural history of mechanics, 1870–1930
- 3 February **Alice Stevenson (UCL)**
Ruth Horry (HPS, Cambridge)
 Archaeological context in motion: Egyptian field sites and the world's museums, 1880–1930
- 17 February **Christina Riggs (University of East Anglia)**
Chris Wingfield (Archaeology, Cambridge)
 Beautiful burials, beautiful skulls: the aesthetics of the Egyptian mummy
- 3 March **Stephen Quirke (UCL)**
Kate Nichols (CRASSH, Cambridge)
 Egyptian archaeology under British military occupation, 1882–1956

Graduate workshops and seminars

HPS History Workshop

Need help writing a tricky part of your argument? Need some fresh ideas and references? Or simply want to see how your early-career colleagues approach the writing process? The History Workshop is an informal setting to discuss our written works-in-progress on any area of the history of science, technology and medicine, and share feedback. A draft PhD 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**. Please contact Andreas Sommer or Seb Falk if you are interested in sharing your work in this forum, or would like to be added to the mailing list to receive the papers before the seminars.

- 29 January **Clara Florensa (Universitat Autònoma de Barcelona)**
Spaces for debate between science and religion in Franco's Spain: the intellectual conversations of Poblet (1959–1961)
- 12 February **Ken Corbett (University of British Columbia)**
Sensible error and other silly notions: galvanizing time in Victorian London
- 26 February **Kathryn Schoefert (HPS, Cambridge)**
Grünthal, Nikolai Hartmann and Schichtenlehre: instituting brain anatomy in a 1950s Swiss psychiatric hospital
- 12 March **Melanie Keene (HPS, Cambridge)**
Dinosaurs don't die: the Crystal Palace monsters in children's literature, 1854–2001

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 Fridays, 12–1pm** (please note the new day and time). 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.

- 24 January **Brian Earp (HPS, Cambridge)**
The medicalisation of love
- 7 February **Matt Penfold (HPS, Cambridge)**
TBC
- 21 February **Marion Boulicault (HPS, Cambridge)**
TBC
- 7 March **Andrew Buskell (HPS, Cambridge)**
The prospects for Darwinian imperialism

Philosophy of Chemistry

Hasok Chang leads a series of four Graduate Seminars on **Mondays at 5pm in Seminar Room 2** on the dates listed below.

This series is intended to provide an introduction to key issues in the philosophy of chemistry, 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 questions will provide running themes for all sessions. How do general epistemological and metaphysical issues in the philosophy of science apply to chemistry? How does chemistry relate to other sciences? How can the history and the philosophy of chemistry interact productively?

20 January The relation between chemistry and physics

3 February Chemistry and realism

17 February Elements, classification and chemical practice

3 March The nature of the chemical bond

Clouds and Climate Change

Richard Staley leads a series of four Graduate Seminars on **Tuesdays at 2pm in Seminar Room 1**, weekly from 18 February.

This workshop follows both clouds and the science of climate change through nature, laboratory, computer representation, policy and public engagement, examining revealing episodes from the 19th century through to the present which have often turned on arguments about both the distant past and near future. Our dual focus will allow us to tackle issues critical to current understandings of the sciences, and to explore some of the key virtues and limitations of the historiography of the physical sciences. Particular themes will include politics and infrastructural sciences, and the early anthropogenic hypothesis.

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.

Reading and discussion groups

Coffee with Scientists

The aim of this new group is to explore and enhance the interface between HPS and science. Many of us in HPS already have close engagements with science and scientists, but we do not often pull together our activities in those directions. We could benefit from more explicit discussions about the relationship between HPS and the sciences themselves, and from encouraging HPS-scholars and scientists to help each other's work. Many of our graduate students and postdocs currently work in isolation from scientists; they may benefit from the stimulation of interactions with colleagues and mentors from various science departments (in Cambridge and elsewhere), difficult to induce in our regular seminars and reading groups, which tend to be infused with standard HPS expectations, assumptions and customs.

During Lent Term 2014 we will meet on **alternate Fridays, 3.30–5.00pm in Seminar Room 2**, on the following dates: 24 January, 7 February, 21 February, and 7 March. In addition, we may also organise evening meetings in social spaces outside the Department. Organised by Hasok Chang.

Nature and Culture Reading Group

Meetings will take place on **Tuesdays, 1.00–2.00pm in Seminar Room 1**.

This term the reading group will focus on developmental systems theory and its critics. We will be discussing various readings from *Cycles of Contingency: Developmental Systems and Evolution*, edited by Susan Oyama, Paul E. Griffiths and Russell D. Gray. Please contact Beth Hannon if you have any difficulty locating the readings.

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|-------------|--|
| 21 January | Lewontin, R.C., 'Gene, Organism, and Environment: A New Introduction' (pp. 55–7) and 'Gene, Organism, and Environment' (pp. 59–66) |
| 28 January | Laland, K.N., Odling-Smee, F.J. and Feldman, M.W., 'Niche Construction, Ecological Inheritance, and Cycles of Contingency in Evolution' (pp. 117–26) |
| 4 February | Griffiths, P.E. and Gray, R.D., 'Darwinism and Developmental Systems' (pp. 195–218) |
| 11 February | Wimsatt, W.C., 'Generative Entrenchment and the Developmental Approach to Evolutionary Processes' (pp. 219–37) |
| 18 February | TBC
Introduced by Riana Betzler |
| 25 February | Sterelny, K., 'Niche Construction, Developmental Systems, and the Extended Replicator' (pp. 333–49) |
| 4 March | Taylor, P., 'Distributed Agency within Intersecting Ecological, Social, and Scientific Processes' (pp. 313–32) |
| 11 March | Godfrey-Smith, P., 'On the Status and Explanatory Structure of Developmental Systems Theory' (pp. 283–97) |

History and Theory Reading Group

Meetings take place on **alternate Fridays, 3.30 to 5.00pm in Seminar Room 1**. Organised by Minwoo Seo, Eóin Phillips and Megan Barford. All welcome!

- 17 January Judith Butler, 'Performative Agency', *Journal of Cultural Economy* (2010) 3:2, 147–161
Michel Callon, 'Performativity, Misfires and Politics', *Journal of Cultural Economy* (2010) 3:2, 163–169
- 31 January Harold Garfinkel, *Studies in Ethnomethodology* (1984) chapters 1&2
Michale Lynch, *Scientific Practice and Ordinary Action* (1997), Introduction, chapters 1&7
- 14 February Pierre Bourdieu, [selections from] *Outline of a Theory of Practice* (1972)
Bourdieu, 'The Peculiar History of Scientific Reason', *Sociological Forum* (1991) 6:1, 3–26
- 28 February Agustí Nieto-Galan, 'Antonio Gramsci Revisited: Historians of Science, Intellectuals, and the Struggle for Hegemony', *History of Science* (2011)
Antonio Gramsci, [selections from] *Selections from Prison Notebooks* (1971)

Twentieth Century Reading Group

The group discusses books and papers relating to the history and historiography of 20th-century science, technology and medicine, broadly construed. This term, we explore the themes of atomic lives and the atomic age to complement talks given at the Twentieth Century Think Tank, which meets on alternate Thursdays. We will read selected chapters (to be confirmed) from the books below. Readings will be made available in advance in our Whipple Library box.

Meetings are held **every other Thursday, 1–2pm in the Lodge Seminar Room**.

Organised by Dmitriy Myelnikov and Kathryn Schoefert.

- 23 January Introduced by **Richard Staley**
Matthew Lavine, *The First Atomic Age: Scientists, Radiations, and the American Public, 1895–1945* (Basingstoke: Palgrave Macmillan, 2013)
- 6 February Introduced by **Dmitriy Myelnikov**
Angela Creager, *Life Atomic: A History of Radioisotopes in Science and Medicine* (Chicago: Chicago University Press, 2013)
- 20 February Introduced by **Helen Curry**
Kate Brown, *Plutopia: Nuclear Families, Atomic Cities and the Great Soviet and American Plutonium Disasters* (Oxford: Oxford University Press, 2013)
- 6 March Introduced by **Kathryn Schoefert**
Tom Vanderbilt, *Survival City: Adventures among the Ruins of Atomic America* (Chicago & London: University of Chicago Press, 2010)

AD HOC Cambridge

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 alchemy and chemistry.

AD HOC Cambridge meets several times per term, on **Mondays from 5.00 to 6.30pm in Seminar Room 2**. For details, or to join our mailing list, please contact Hasok Chang or Anke Timmermann.

27 January **Tillmann Taape (HPS, Cambridge)**

Distilling reliable remedies: Hieronymus Brunschwig's *Liber de arte distillandi* between alchemical learning and craft practice

In addition, we will hold four meetings which comprise Hasok Chang's Graduate Seminar series on the Philosophy of Chemistry, as follows:

20 January The relation between chemistry and physics

3 February Chemistry and realism

17 February Elements, classification and chemical practice

3 March The nature of the chemical bond

The London branch of the group will also continue to have its monthly meetings.

Philosophy of Psychology Reading Group

Moral Psychology

We meet on **Thursdays, 11am–12noon in Seminar Room 1**, except for the meeting on 16 January, which will be in the Lodge Seminar Room. Organised by Riana Betzler.

All this term's readings are from Doris, J.M. & The Moral Psychology Research Group (2010) *The Moral Psychology Handbook* (Oxford & New York: Oxford University Press). An electronic copy is available through the UL: <http://search.lib.cam.ac.uk/?itemid=eresources|70142>

16 January Introduction & Chapter 1: Evolution of Morality

23 January Chapter 2: Multi-system Moral Psychology

30 January Chapter 4: Moral Emotions

6 February Chapter 5: Altruism

13 February Chapter 6: Moral Reasoning

20 February Chapter 10: Responsibility

27 February Chapter 11: Character

6 March Chapter 12: Well-Being

CamPhor – Cambridge Phenomenology Reading Group

In Lent Term we will be investigating the thought of French philosophers and historians of science from the first half of the 20th century. In particular, we will be looking at a particular lineage of thinkers: Gaston Bachelard, Georges Canguilhem and Michel Foucault.

Of specific interest this term is the way in which these thinkers conceptualised the epistemic dimension in the history of science: whether they saw science as a continuous process of accumulation, or whether this process was punctuated, disrupted, or in other ways impeded – and if so, what their solution to such disruptions might be.

Photocopies of the relevant chapters can be made available by request.

Meetings are on **Fridays from 12–1pm in Seminar Room 1**. You are welcome to bring your lunch. Organised by Andrew Buskell.

17 January Chimisso, C. (2001) *Gaston Bachelard: critic of science and the imagination*. London: Routledge. Ch. 5, pp. 129–154

- Bachelard, G. (2005) 'From *Essai sur la connaissance approché*' in Gutting, G. (ed.) *Continental Philosophy of Science*. Oxford: Blackwell. Ch 14, pp. 176–183
- 31 January Rheinberger, H. (2005) 'Reassessing the Historical Epistemology of Georges Canguilhem' in Gutting, G. (ed.) *Continental Philosophy of Science*. Oxford: Blackwell. Ch 15, pp. 187–197
- Canguilhem, G. (2005) 'The Object of the History of Sciences' Gutting, G. (ed.) *Continental Philosophy of Science*. Oxford: Blackwell. Ch 15, pp. 198–208
- Optional*: Foucault, M. (1978) 'Introduction', in Canguilhem, G. *The Normal and the Pathological*. Dordrecht: Riedel. pp. ix–xx
- 14 February Kusch, M. (1991) *Foucault's Strata and Fields*. Dordrecht: Kluwer. Ch. 5 ('The Archaeological Model I'), pp. 58–82
- 28 February Kusch, M. (1991) *Foucault's Strata and Fields*. Dordrecht: Kluwer. Ch. 6 ('The Archaeological Model II'), pp. 83–109

Philosophy and History of Physics Reading Group

We meet on **Tuesdays, 2.00–3.00pm in Seminar Room 1**. Organised by Hasok Chang and Jeremy Butterfield.

In the first half of this term we will be finishing our study of Richard Staley, *Einstein's Generation: The Origins of the Relativity Revolution* (Chicago: University of Chicago Press, 2008) in weeks 1–3, followed by the reading of an article by Daniel Mitchell and Graeme Gooday on classical and modern physics. In the second half of the term, Richard Staley will offer a Graduate Seminar series on 'Clouds and Climate Change'.

Science and Literature Reading Group

We meet on **Mondays from 7.30 to 9pm in the Godwin Room at Clare College (Old Court)**.

All this term's readings are available online: follow the links from www.hps.cam.ac.uk/seminars/slrg.html
Organised by Liz Smith (Darwin Correspondence Project), Esther Momcilovic (HPS) and Daniel Friesner (Science Museum). All welcome!

- 3 February Charles R. Gibson, *The Autobiography of an Electron* (1911), Chapters 2–4
James Clerk Maxwell, 'Answer to Tait'
Robert Frost, 'A Wish To Comply' (1947)
- 3 March Harriet Monroe, 'A Power Plant', in *You and I* (1914)
Henry Adams, *The Education of Henry Adams* (1918). Chapter 25, 'The Dynamo and the Virgin (1900)'
H.G. Wells, 'The Lord of the Dynamos', first published in the *Pall Mall Budget*, 6 September 1894. Reprinted in *The Stolen Bacillus, and Other Incidents*. Warning: this story contains some racist ideas and words, which we will of course examine critically.

Kant Reading Group

Meetings are held in the **Lodge Seminar Room, 3.00–4.30pm 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 Thomas Land.

The topic for this term will be recent work on Transcendental Idealism.

Language groups

Latin Therapy

Latin Therapy is an informal reading group. All levels of Latin (including beginners) are very welcome. We meet **every Friday in the Lodge Seminar Room from 4.00 to 5.30pm**, to translate and discuss a text from the history of science, technology or medicine. If a primary source is giving you grief, we'd love to help you make sense of it over tea and biscuits! Thus we provide a free translation service for the Department, and a means for members to brush up their skills.

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). For more information or to be added to the mailing list, please email Liz Smith.

Easter Term 2014

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.

- 24 April **Harvey Brown (University of Oxford)**
How trees defy gravity: conceptual and historical remarks on the theory of the ascent of sap
- 1 May **Emma Perkins (HPS, Cambridge)**
‘For the sake of ornament’: iconography in Tycho Brahe’s *Astronomiae instauratae mechanica*
- 8 May **Jennifer Tucker (Wesleyan University)**
Facing facts: the great Tichborne trials and the rise of modern visual evidence
- 15 May **Nancy Cartwright (Durham University and UCSD)**
There are mechanisms – and then there are mechanisms

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

24 April **Harvey Brown (University of Oxford)**

How trees defy gravity: conceptual and historical remarks on the theory of the ascent of sap

The ability of trees to suck water from roots to leaves, sometimes to heights of over a hundred meters, is remarkable given the absence of any mechanical pump. In this talk I deal with a number of issues, of both a historical and conceptual nature, in the orthodox Cohesion-Tension (CT) theory of the ascent of sap in trees. The theory relies chiefly on the exceptional cohesive and adhesive properties of water, the structural properties of trees, and the role of evaporation ('transpiration') from leaves. But it is not the whole story. Plant scientists have been aware since the inception of the theory in the late 19th century that further processes are at work in order to 'prime' the trees, the main such process – growth itself – being so obvious to them that it is often omitted from the story.

1 May **Emma Perkins (HPS, Cambridge)**

'For the sake of ornament': iconography in Tycho Brahe's *Astronomiae instauratae mechanica*

In 1598, having lost the favour of the Danish king and consequently the vast income that supported his astronomical observatories, Tycho Brahe published his *Astronomiae instauratae mechanica*. Dedicated to Holy Roman Emperor Rudolph II and circulated among the highest nobility in Europe, this lavish publication provided detailed descriptions and illustrations of Tycho's astronomical instruments in an attempt to procure patronage. These instruments have long been celebrated by historians of astronomy for their innovative design and capacity for precision measurement, yet their often highly decorative appearance, apparent from the striking images provided in the *Mechanica*, is frequently dismissed as mere ornament. By considering a selection of instruments, I will argue that far from being an irrelevant luxury, the iconography employed by Tycho was in fact a vital means of self-presentation, through which he attempted to convey not only his superiority as an astronomer, but the underlying worth of his endeavour. His instruments thus provided a particularly appropriate medium through which to appeal for financial support. This argues for a more sophisticated appreciation of Tycho's instruments and instruments in the Renaissance more generally, not simply as tools of precision measurement, but also as vehicles for self-expression and promotion.

8 May **Jennifer Tucker (Wesleyan University)**

Facing facts: the great Tichborne trials and the rise of modern visual evidence

The paper investigates the role of photography and other forms of visual evidence and display in the celebrated 19th-century trials in Britain of the 'Tichborne Claimant'. Familiar to historians as the longest legal proceedings of the Victorian age, a popular cause that attracted working-class support, the Tichborne trials (1871–1874) were also a landmark in the emergence of modern visual culture, concepts of evidence and new methods of historical narration. Analysis of some of the central images from the case frames a discussion of historical methodologies at the heart of current Victorian visual studies, history of science and technology, public history, legal studies and social and cultural history.

15 May **Nancy Cartwright (Durham University and UCSD)**

There are mechanisms – and then there are mechanisms

Mechanisms are all the rage in philosophy of science now and in a number of scientific domains as well. What then is a mechanism? I shall describe three senses common in philosophy: 1) invariant relations (sponsored by James Woodward), 2) causal processes (probably the usual sense in medical literature) and 3) relatively fixed arrangements of parts that act together to afford or explain causal regularities (defended by William Bechtel and by MDC: Machamer, Craver and Darden). I claim these are distinct senses. But Peter Menzies claims that by employing a ‘structural equations’ framework, one can in one fell swoop use 1) the invariant-relations idea to give a much needed explication of the idea of ‘action’ central to 3) and thereby give a much needed account of how mechanisms in sense 3) explain causal regularities.

I think Menzies is really dealing with 2) causal processes all along; his account has no space for 3) parts and their actions. But we need to keep this third sense of ‘mechanism’ centre-stage because it is correct that it is mechanisms in this sense that underwrite the familiar causal processes we rely on throughout daily life and much of science and policy. Without attention to the mechanisms (sense 3)) that afford causal regularities we have no idea how far they stretch nor when and where they will break down. Looking at Menzies’ valiant attempt, as I shall do, and seeing how, if I am right, it fails shows just how true this is. I shall illustrate with some examples from child welfare and development policy.

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 Natalie Lawrence.

28 April **Sachiko Kusakawa (Trinity College, Cambridge)**

William Courten (1642–1702) and natural history

5 May **Lee Jung (Needham Research Institute)**

Between universalism and regionalism: Nakai Takenoshin’s research on colonial Korean plants and Japanese universal systematics

12 May **Mimi Winick (Rutgers, The State University of New Jersey)**

Studied enchantment: the conjectural method in late Victorian scholarship

19 May **Michael Bravo (Scott Polar Research Institute)**

Apollonian vision and polar projections: some reflections on cosmography, instruments and empire

26 May **Francis Neary (HPS, Cambridge)**

The sources of Charles Darwin’s work on animal reasoning

2 June **Thomas le Roux (Maison Française d’Oxford)**

Industrial pollution and politics in France: the great shift, 1750–1830

Friday 13 June Cabinet Party, 12.30–3pm, Caius Fellows’ Garden

Speaker: **James Hall (HPS, Cambridge)**

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.

Think Tank meetings are held **every other Thursday, 1–2pm in Seminar Room 2**. All welcome! Organised by Richard Staley.

1 May **Helen Curry (HPS, Cambridge)**

X-rayed maize and mutant marigolds: a history of early plant biotechnologies

15 May **Donald MacKenzie (University of Edinburgh)**

A sociology of algorithms: high-frequency trading and the shaping of markets
(draft paper online)

Seminars at CRASSH

Global Science

Science operates on a global stage, but this is not a recent phenomenon. Our research group explores the relationship between global history and science studies. Science here is broadly construed. Histories of natural knowledge, technology and medicine all fall under the remit of this group. By adopting this approach we look to invite discussion on the relationship between the politics of globalisation and the making of the very category of ‘science’. What counts as science is precisely the product of a series of uneven historical encounters. Often the transit of scientific material, from books to barometers, relied on the lopsided development of colonialism and global capitalism. We therefore hope to trace, not only the movement of science across borders, but also the limits of the apparent globalisation of scientific knowledge.

In 2013–2014 we bring together speakers from history, geography and anthropology. By drawing on academics from across disciplines, we offer a new base for the growing network of academics working on global histories of science.

Seminars are held on **alternate Tuesdays, 12.00–2.00pm in Room SG1, Alison Richard Building, West Road**. Organised by James Poskett, James Hall and others.

Website: www.crassh.cam.ac.uk/programmes/global-science

- 29 April **Diederick Raven (Utrecht University)**
Simon Schaffer (HPS, Cambridge)
The Needham Question: an anthropological answer
- 13 May **Dhruv Raina (Jawaharlal Nehru University)**
George Gheverghese Joseph (University of Manchester)
The modernity of calculus in India and beyond: 19th-century beginnings, late 20th-century debates
- 27 May **Sadiya Qureshi (University of Birmingham)**
Britta Schilling (History, Cambridge)
‘Exterminate all the brutes’: modern settler colonialism and the future of endangered races
- 10 June **Clare Griffin (HPS, Cambridge)**
‘Is that a magic herb?’ The role of European science in 17th-century Russian witchcraft trials

Things: Comparing Material Cultures, 1500–1900

The seminar meets **alternate Wednesdays, 12.00–2.00pm in Room SG1, Alison Richard Building, West Road**. Organised by Michelle Wallis, Sophie Waring and others.

Website: www.crassh.cam.ac.uk/programmes/things

- 7 May **Maya Corry (History of Art, Cambridge)**
Victoria Mills (Darwin College, Cambridge)
Gendered things

- 21 May **Anna Maerker (King's College London)**
Margaret Carlyle (HPS, Cambridge)
 Bodily things
- 4 June **Elizabeth Haines (Royal Holloway, University of London, and the Science Museum)**
Juliette Kristensen (Goldsmiths, University of London)
Matthew Paskins (UCL)
 100 hours of things: materiality, expertise and encountering objects

Field Notes: Histories of Archaeology and Anthropology

The seminar meets **alternate Mondays, 5.00–7.00pm in Room SG1, Alison Richard Building, West Road.**

Organised by William Carruthers and others.

Website: www.crash.cam.ac.uk/programmes/field-notes

- 28 April **Khadija von Zinnenburg Carroll (Installation artist)**
Adrien Sina (Curator and art historian)
Michal Murawski (Social Anthropology, Cambridge)
Nikolai Ssorin-Chaikov (Social Anthropology, Cambridge)
 Movements between art and anthropology: conceptual art and ethnographic inquiry
- 12 May **Jennifer Baird (Birkbeck, University of London)**
Sudeshna Guha (Asian and Middle Eastern Studies, Cambridge)
 Still lifes and stage sets: authority and authenticity in archaeological photographs

Wednesday 28 May in Seminar Room S1

- Martijn Eickhoff (Radboud University Nijmegen)**
Helen Roche (Lucy Cavendish College, Cambridge)
 Witness to a Greater Germanic past? The SS-Ahnenerbe and the archaeological research sites of Dolni Věstonice and Solone

Thursday 29 May in Seminar Room SG2

- Marianne Sommer (University of Lucerne)**
Jim Secord (HPS, Cambridge)
 Paper trails: objects, narratives and visualizations of human deep time in early 20th-century America

Graduate workshops and seminars

HPS History Workshop

Need help writing a tricky part of your argument? Need some fresh ideas and references? Or simply want to see how your early-career colleagues approach the writing process? The History Workshop is an informal setting to discuss our written works-in-progress on any area of the history of science, technology and medicine, and share feedback. A draft PhD 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**.

Please contact Andreas Sommer or Seb Falk if you are interested in sharing your work in this forum, or would like to be added to the mailing list to receive the papers before the seminars.

- 7 May **Michael McGovern (HPS, Cambridge)**
The first Human Genome Project: computers and the mapping of human genes, 1950–1970
- 21 May **Caitlin Doherty (HPS, Cambridge)**
Pastoral modernism: the flying machine's arrival over the English countryside
- 4 June **Federico Morganti (Sapienza University of Rome)**
The unknowable, the new reformation, and the rationale for religious freedom: the place of religion in Spencer's philosophy
- 18 June **Linda Ratschiller (University of Fribourg, Switzerland)**
Imagining ill bodies: the Basel Mission doctors and images from the Gold Coast, 1885–1914

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 Fridays, 12–1pm**. 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 available at www.hps.cam.ac.uk/students/training.

Reading and discussion groups

Coffee with Scientists

The aim of this new group is to explore and enhance the interface between HPS and science. Many of us in HPS already have close engagements with science and scientists, but we do not often pull together our activities in those directions. We could benefit from more explicit discussions about the relationship between HPS and the sciences themselves, and from encouraging HPS-scholars and scientists to help each other's work. Many of our graduate students and postdocs currently work in isolation from scientists; they may benefit from the stimulation of interactions with colleagues and mentors from various science departments (in Cambridge and elsewhere), difficult to induce in our regular seminars and reading groups, which tend to be infused with standard HPS expectations, assumptions and customs.

During Easter Term 2014 we will meet on **alternate Fridays, 2.30–4.00pm** (*please note* earlier time than last term) in Seminar Room 2, on the following dates: 25 April, 9 May, 23 May and 6 June. In addition, we may also organise evening meetings in social spaces outside the Department. Organised by Hasok Chang.

Twentieth Century Reading Group

This term, we continue exploring the themes of atomic lives and the atomic age. We will read selected chapters from the books below. Readings will be made available in advance in our Whipple Library box.

Meetings are held **every other Thursday, 1–2pm in the Lodge Seminar Room**.

Organised by Dmitriy Myelnikov and Kathryn Schoefert.

24 April Introduced by **Michael McGovern**

Hallam Stevens, *Life out of Sequence: A Data-Driven History of Bioinformatics* (Chicago:

Chicago University Press, 2013)

Chapter 1, 'Building Computers'

Chapter 2, 'Making Knowledge'

8 May Introduced by **Helen Curry**

Gabrielle Hecht, *Being Nuclear: Africans and the Global Uranium Trade* (Cambridge, MA:

MIT Press, 2012)

Chapters to be confirmed

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 **5.00–7.00pm** (tea from 4.50) on **Tuesdays 6 and 20 May in Seminar Room 1**.

Nature and Culture Reading Group

Meetings will take place on **Tuesdays, 1.00–2.00pm in Seminar Room 1**.

This term's reading group will focus on the theme of sex and gender. Please contact Beth Hannon if you have any difficulty locating the readings. All are very welcome to attend.

- 22 April Lloyd, Elisabeth (1993) 'Pre-Theoretical Assumptions in Evolutionary Explanations of Female Sexuality', *Philosophical Studies*, 69, pp. 139–53
- Longino, Helen (2012) 'Defining Behavior', *Studying Human Behavior*, Chicago: University of Chicago Press, Chapter 9, pp. 151–177
- 29 April Pinker, Steven (2002) 'Gender', *The Blank Slate*, London: Penguin, excerpt pp. 346–51
- Dupré, John (1986) 'Sex, Gender and Essence', *Midwest Studies in Philosophy*, 11, pp. 441–57
- 6 May Jordan-Young, Rebecca M. (2010) 'Taking Context Seriously', *Brain Storm: The Flaws in the Science of Sex Differences*, Harvard University Press, Chapter 9, pp. 237–69
- 13 May Haslanger, Sally (2000) 'Gender and Race: (What) Are They? (What) Do We Want Them To Be?', *Noûs*, 34, pp. 31–55
- 20 May Wood, Wendy and Eagly, Alice (2002) 'A Cross-Cultural Analysis of the Behavior of Women and Men: Implications for the Origins of Sex Differences', *Psychological Bulletin*, 128, pp. 699–727
- 27 May Thompson, Melissa Emery (2009) 'Human Rape: Revising Evolutionary Perspectives' in Martin N. Muller and Richard W. Wrangham (eds) *Sexual Coercion in Primates and Humans: An Evolutionary Perspective on Male Aggression against Females*, Harvard: Harvard University Press, Chapter 14, pp. 346–76
- 3 June Strathern, Marilyn (1988) 'Anthropological Strategies', *The Gender of the Gift*, Berkeley: University of California Press, Excerpt pp. 3–8
- Strathern, Marilyn (1988) 'Groups: Sexual Antagonism in the New Guinea Highlands', *The Gender of the Gift*, Berkeley: University of California Press, Chapter 3, pp. 43–65
- 10 June Bach, Theodore (2012) 'Gender Is a Natural Kind with a Historical Essence', *Ethics*, 122, pp. 231–72

Philosophy and History of Physics Reading Group

We will meet at the usual time of **2.00–3.00pm on Tuesdays in Seminar Room 1**. During Easter Term we will read Hasok Chang, *Is Water H₂O? Evidence, Realism and Pluralism* (Dordrecht: Springer, 2012).

Organised by Hasok Chang and Jeremy Butterfield.

Philosophy of Psychology Reading Group

We meet on **Thursdays, 11am–12noon in Seminar Room 1**. Organised by Riana Betzler.

- 24 April Prinz, J.J. (2005). 'Passionate Thoughts: The Emotional Embodiment of Moral Concepts'. In Pecher, D. & Dwaan, R. (eds.), *Grounding Cognition: The Role of Perception and Action in Memory, Language, and Thinking*. Cambridge University Press. Available as an ebook through the UL.
- 1 May *11–12.30 (note the extended time)*
- Saulo de Freitas Araujo (Federal University of Juiz de Fora, Brazil)** will give a talk: 'Kant's influence on the development of Wilhelm Wundt's scientific psychology: integrating history and philosophy of psychology'
- Chair: Andreas Sommer

Abstract: That Kant has played a major role in the history of philosophy since the end of the 18th century is a well-known and undisputed claim. Not so obvious, though, and to a certain degree overlooked in the literature,

is his influence on the historical development of the empirical sciences. My main goal is to disclose a very close relationship between Kant's critical philosophy and the historical development of scientific psychology, by focusing on Wilhelm Wundt, one of its leading figures in the second half of the 19th century. I will show that Wundt's reading of Kant's *Critique of Pure Reason* led him to question his early psychological programme, based on a theory of the unconscious, and later to reject it. In other words, I will argue that Kant interrupted Wundt's dogmatic slumber by showing him that logical forms cannot be confused with objects given in experience. Consequently, Wundt was forced to develop a new conception of scientific psychology, which made him famous and spread worldwide as a model of the 'new' psychology. This episode offers a good example of Kant's positive influence on psychological discussions in the 19th century, especially in the German tradition, and of how to integrate history and philosophy of psychology.

8 May Chapter 4: Three Fundamental Kinds of Concepts: Prototypes, Exemplars, Theories. In Machery, E. (2009). *Doing without Concepts*. Oxford: Oxford University Press.

15 May Chapter 8: Concept Eliminativism. In Machery, E. (2009). *Doing without Concepts*. Oxford: Oxford University Press.

History and Theory Reading Group

Meetings take place on **alternate Fridays, 3.30 to 5.00pm in Seminar Room 1**. Organised by Megan Barford, Caitlin Doherty, Minwoo Seo and Eóin Phillips. All welcome!

2 May Ian Hacking, 'Our Neo Cartesian Bodies in Parts', *Critical Enquiry* 34:1 (2007): 78–105

16 May Jan Golinski, 'Sensibility and Climatic Pathology' in *British Weather and the Climate of Enlightenment* (Chicago, 2007)

30 May Helene Miale, *Hawking Incorporated* (Chicago, 2012):1–45

13 June John Tresch, 'Introduction', *The Romantic Machine* (Chicago, 2012) and 'Even the Tools Will be Free' in Sibum et al, *Heavens on Earth* (Durham [NC], 2010)

CamPhor (Phenomenology) Reading Group

This reading group examines issues at the intersection of Phenomenology and contemporary analytic philosophy, with a particular emphasis on Phenomenology's relevance to debates within the philosophy of science.

Photocopies of the relevant chapters can be made available by request.

Meetings are **every other Friday from 12–1pm in Seminar Room 1**. Please get in touch if you need access to any of the readings.

Organised by Andrew Buskell.

25 April Dreyfus, H.L. 'Merleau-Ponty and Recent Cognitive Science' in Carman, T. and Hansen, M.B.N. (eds.) *The Cambridge Companion to Merleau-Ponty*. Cambridge University Press: Cambridge (2005), pp. 129–150

9 May Siewert, C. 'Intellectualism, Experience, and Motor Understanding' in Scheer, J. (ed.) *Mind, Reason, and Being-in-the-World: The McDowell-Dreyfus Debate*. Routledge: London (2013), pp. 194–225

AD HOC Cambridge

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 alchemy and chemistry.

AD HOC Cambridge meets several times per term, on **Mondays from 5.00 to 6.30pm** in the Department. For details, readings, or to join our mailing list, please contact Anke Timmermann.

28 April **Robert Anderson (Clare Hall, Cambridge)**

Chemistry in workers' institutions

2 June **Melanie Keene (Homerton College, Cambridge)**

Salim Al-Gailani (HPS, Cambridge)

Chemistry education – books and objects

in collaboration with the Whipple Museum and Whipple Library

Kant Reading Group

In Easter Term, the Kant Reading Group will meet as usual in the **Lodge Seminar Room, 3.30–5.00pm on Tuesdays**. Programme TBC. Everyone welcome!

For information, and if you would like to be added to the mailing list, please contact Angela Breitenbach.

Science and Literature Reading Group

We meet on **Mondays from 7.30 to 9pm in the Godwin Room at Clare College (Old Court)**.

Organised by Julie Barzilay (HPS), and Melanie Keene (Homerton College): please contact us if you would like to join the mailing list.

Copies of readings not available online (via www.hps.cam.ac.uk/seminars/slrg.html) will be put in the Science and Literature Reading Group box file in the Whipple Library. *All welcome!*

This term we explore how scientific texts have been rewritten for juvenile audiences in the 19th, 20th and 21st centuries, as well as analysing a work written by two young people themselves.

12 May What Mr Darwin Saw

Charles Darwin, *Journal of researches into the natural history and geology of the countries visited during the voyage of H.M.S. Beagle round the world* (1845 edn). Read the preface and chapter 1 (Porto Praya).

Wendell Phillips Garrison, *What Mr. Darwin Saw in His Voyage Round the World in the ship 'Beagle'* (1879). Read the introduction for parents, introduction for children, pages 29–33 in Part I ('The Horse') and pages 92–104 in Part II ('Man'). Feel free to skim the rest of the book.

Mick Manning and Brita Granström, *What Mr Darwin Saw* (2009).

9 June Entomological adventures

The Adventures of Madalene and Louisa: pages from the album of L. and M.S. Pasley, Victorian entomologists.

Alexander Teixeira de Mattos, *The Life of the Fly...* by J. Henri Fabre (1913). Read chapter 7, 'The Pond', but feel free to skim the rest of the book as well.

Louise Seymour Hasbrouck, *Insect Adventures* by J. Henri Fabre (1917). Read the preface and chapter 1 ('My First Pond'). Feel free to skim the rest of the book.

Language groups

Latin Therapy

Latin Therapy is an informal reading group. All levels of Latin (including beginners) are very welcome. We meet **every Friday in the Lodge Seminar Room from 4.00 to 5.30pm**, to translate and discuss a text from the history of science, technology or medicine. If a primary source is giving you grief, we'd love to help you make sense of it over tea and biscuits! Thus we provide a free translation service for the Department, and a means for members to brush up their skills.

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 Herodotus. For more information or to be added to the mailing list, please email Liz Smith.



Members of the Department enjoying the gardens of Peterhouse after Tim Lewens' Inaugural Lecture