

# Seminars

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## 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 Lauren Kassell.

- 23 October **Charles Travis (King's College London)**  
The shape of the conceptual
- 30 October **Guido Gigliani (Warburg Institute)**  
Early-modern investigations on the nature of tarantism from Tommaso Campanella to Antonio Vallisneri
- 13 November **Roger Smith (Lancaster University / Durham University)**  
Where does a claim for the necessity of historical knowledge lead in the human sciences?
- 20 November **Hasok Chang (University College London)**  
Phlogiston revisited: an argument for scientific pluralism
- 27 November **Adam Toon (HPS, Cambridge)**  
Imagined experiments: molecular modelling and make-believe
- 4 December *Fourth Cambridge Wellcome Lecture in the History of Medicine*  
**Rayna Rapp (New York University)**  
Making the invisible visible: the hidden history of families, schools, civil rights, media and science in the production of learning disabilities

## 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 in the first two weeks of term, on **Thursdays 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 presenting research methodologies and areas. The Research Guide is on the HPS website at [www.hps.cam.ac.uk/research](http://www.hps.cam.ac.uk/research).

Organised by Nick Jardine ([nj103@cam.ac.uk](mailto:nj103@cam.ac.uk)) and Eleanor Robson ([er264@cam.ac.uk](mailto:er264@cam.ac.uk)).

- 9 October **Nick Jardine:** Introduction to research resources in HPS  
**Ayesha Nathoo:** Modern medicine and media research  
**Angela Breitenbach:** Environmental ethics  
**Josh Nall and Margaret Olszewski:** Researching in the Whipple Museum  
**Alex Broadbent:** Philosophy of science
- 16 October **Eleanor Robson:** History and translation  
**Patricia Fara:** Scientific images  
**Leon Rocha:** Free software  
**Sacha Golob:** Reading continental philosophy  
**John Forrester:** Crucial trivia

# Abstracts

23 October **Charles Travis (King's College London)**

The shape of the conceptual

Where, and how, does thought engage the world? More specifically, we, being the sorts of thinkers that we are, see possibilities for judgments of certain specific shapes. The world provides certain things to judge about. Why think (or how to see) that the opportunities we (seem to) see are actually provided? Kant thought this *was* a problem to which there was just one possible solution: 'transcendental idealism'. Frege (as extended by Tractarian Wittgenstein) thought this was not a problem, thus provided, in effect, a dissolution. But, while Kant's conception of the problem lapses into incoherence, Frege's dissolution will not do (as the *Tractatus* inadvertently shows). Putnam was the first to see (clearly) how to answer the question (in seeing what the shape of the conceptual should in fact be taken to be). In this essay, I try to say what Putnam's response to the question is.

30 October **Guido Giglioni (Warburg Institute)**

Early-modern investigations on the nature of tarantism from Tommaso Campanella to Antonio Vallisneri

Early-modern natural philosophers, physicians and churchmen described tarantism as an epidemic disease characteristic of the Italian region Apulia and they attributed the phenomenon to the bite of the tarantula spider. Tarantism was characterised by an irrepressible impulse to dance and was supposed to be cured by music. This paper focuses on the different explanations of tarantism given by Tommaso Campanella (1568-1639), Athanasius Kircher (1601-1680) and Antonio Vallisneri (1680-1730). For Campanella tarantism was further evidence that nature as a whole, both animate and inanimate, was governed by perception and that symbolic relationships of likeness and resemblance could be causally effective. Kircher relied more on the physical and material aspects involved in both the etiology and therapy of tarantism (vibrations of air caused by sounds, motion of bodily humours, wrinkling of material spirits, sense perception of colours) and his diagnosis was driven by a peculiar tendency to debunk unfounded beliefs. Vallisneri, finally, interpreted tarantism as a simple case of animal poisoning and attributed the 'uncivil violence' and 'indecent and terrible acts' of the affected people to their low social status. The choice of these authors provides a nuanced and diversified sample of early-modern explanatory frameworks for a particularly anomalous and recalcitrant phenomenon and to present a comparative analysis of conflicting notions of superstition discussed at the time.

13 November **Roger Smith (Lancaster University / Durham University)**

Where does a claim for the necessity of historical knowledge lead in the human sciences?

This paper will take up some of the arguments of *Being Human: Historical Knowledge and the Creation of Human Nature* (Manchester University Press, 2007). I wish to argue that historical knowledge in any science with 'the human' as its subject is necessary – not simply interesting, useful or decorative. There are two principal themes; for both there is a large literature, but perhaps historians of science have not appreciated their implications. First, human self-knowledge is 'reflexive', that is, changing knowledge changes the manner in which we are human, and this implies that the subject matter of the human sciences has an inescapably historical nature. Second, there are different kinds of knowledge for different purposes, and for certain purposes historical knowledge is necessary, and (say) biological knowledge cannot be substituted for it. Developing these themes, I conclude that 'the history of the human sciences' is an irreducible dimension of

science. Whether the arguments I make also apply to the history of the natural sciences is a somewhat separate, and complex, question, but it is one which greatly affects how we write about the natural science approach to ‘the human’.

Suggested reading:

Roger Smith, *Being Human: Historical Knowledge and the Creation of Human Nature* (Manchester University Press, 2007), esp. ch. 2 and pp. 114-21. For an elaboration of the latter set of pages, which is particularly relevant to an HPS audience, see ‘Does Reflexivity Separate the Human Sciences from the Natural Sciences?’, in special issue on reflexivity, ed. Roger Smith, *History of the Human Sciences*, 18(4) (2005): 1-25.

20 November **Hasok Chang (University College London)**

Phlogiston revisited: an argument for scientific pluralism

Through a re-examination of the Chemical Revolution, I advance an argument for pluralism in and about science. My assessment of the Chemical Revolution, made on the basis of a comprehensive list of epistemic values, returns the verdict that there was no compelling rational reason for 18th-century chemists to discard the phlogiston theory. I then examine the benefits that could have (or could still) come from retaining or reviving phlogiston. Finally I sketch some general arguments for scientific pluralism, drawing a comparison and contrast with relativism.

27 November **Adam Toon (HPS, Cambridge)**

Imagined experiments: molecular modelling and make-believe

Recent philosophy of science has seen a growing interest in scientific models and, in particular, in the question of how models represent the world. And yet three-dimensional physical models, like wax anatomical models or Crick and Watson’s famous model of DNA, have been largely ignored by philosophers of science, despite recent historical studies demonstrating the importance of physical models in many sciences.

In this talk, I will offer an analysis of physical models based on Kendall Walton’s ‘make-believe’ theory of art. To do so, I will also draw on an empirical study of the use of a well-known type of physical model: the ‘ball-and-stick’ molecular models familiar to many from school science classes. According to Walton, works of art function as props in games of make-believe, like children’s dolls or toy trucks. I will analyse physical models in the same way. Just as a child imagines a plastic doll to be a baby so, I shall argue, scientists imagine the balls and sticks of a molecular model to be atoms and bonds.

Children participate in their games of make-believe: a child playing with a doll not only imagines it to be a baby; she also imagines looking at a baby, picking the baby up and feeding it. Similarly, I will argue, scientists participate in the games they play with molecular models, imagining themselves looking at molecules, twisting them around and pulling them apart. By manipulating molecular models, I suggest, scientists perform imagined experiments on molecules.

4 December *Fourth Cambridge Wellcome Lecture in the History of Medicine*

**Rayna Rapp (New York University)**

Making the invisible visible: the hidden history of families, schools, civil rights, media and science in the production of learning disabilities

Two generations ago, there were virtually no ‘LD children’ in the United States. Yet by 2008, they had become 15% of the national student population. A series of remarkable institutional, legal, scientific and cultural changes have coalesced over this period, creating a sea-change in the American imaginary. Yet these large-scale transformations often began in domestic experiences of anger and desperation: the work of families with atypical children was central to these developments. This presentation highlights the unanticipated activism on the part of parents which helped to shape new understandings of human variability and the hierarchies in which social differences are embedded.

### **Discussion led by Rayna Rapp**

Thursday 4 December at 11.30am in Seminar Room 1 – all welcome

Reverberations: gender, generation and social reproduction in the life course of families with children with disabilities

When parents fight for school-based services; or decide to produce a film intended to make the social world a more accepting place for their child, such experiences transform not only the lives of affected youngsters, but the life course of the family, as well. In our research on innovation in special education, we have been struck by the density of such stories: often, a child’s differential development leads a parent toward new understandings, and from there, toward frank activism and innovative choices in work and in community life. Not all stories are, of course, positive ones: divorce and family divisions also stalk families with children with disabilities. This presentation examines the relations of gender and generation that are stretched and sometimes transformed by ‘a difference in the family’. Our fieldwork brings us back to the most basic ‘invention’ of anthropology, the study of kinship. We argue that the changed shape of a life cycle for a child with a disability and his/her intimate others has reverberation on the ‘public intimacy’ of kinship and a transformation of the social world, as well.

# History of Medicine

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**. Tea is available from 4.40pm. All welcome!

## Early Medicine and Natural Philosophy

Organised by Lauren Kassell and Laurence Totelin.

- 14 October **Samuel Cohn (University of Glasgow)**  
Towards a public health consciousness in medical science: plague in sixteenth-century Italy
- 4 November **Patty Baker (University of Kent)**  
Perceptions of health in Roman Spain: preliminary research on the archaeological material from the Province
- 25 November **Evelyn Welch (Queen Mary, University of London)**  
Space and spectacle in the Renaissance apothecary

## History of Modern Medicine and Biology

Organised by Vanessa Heggie and Nick Hopwood.

- 21 October **Elizabeth Toon (University of Manchester)**  
The machinery of authoritarian care: representing and experiencing breast cancer treatment in 1970s Britain
- 11 November **Rosemary Elliot (University of Glasgow)**  
'Der neue Trend – no smoking please!': creating the non-smoker in West Germany, 1945–1975
- 2 December **Katja Guenther (Harvard University)**  
Segments and proportions: body mapping in early twentieth-century neuroscience

# From Generation to Reproduction

This seminar, which is funded by our Wellcome enhancement award in the history of medicine, is a forum for discussion of how, since 1500, our world of reproductive practices and controversy was created.

Seminars are on **Tuesdays from 5.00 to 6.30pm in Seminar Room 1**. Tea is available from 4.40pm. All welcome!

Organised by Nick Hopwood and Lauren Kassell.

- 28 October **Suzanne Anker (School of Visual Arts, New York)**  
Picture perfect: from golden rules to golden boys
- 18 November **Anne Løkke (University of Copenhagen)**  
Midwifery practices and the fate of mothers and infants in late eighteenth-century Denmark

# Cabinet of Natural History

Seminars are held on **Mondays at 1pm in Seminar Room 1**. You are welcome to bring your lunch with you.

Organised by Sophia Davis.

- 13 October **Paul White (HPS, Cambridge)**  
The evolution of wonder
- 20 October **Sophia Davis (HPS, Cambridge)**  
Orford Ness: landscape of war and science
- Tue 21 October Orford Ness trip
- 27 October Fungus Hunt
- 3 November **Alexander Etkind (Department of Slavonic Studies, Cambridge)**  
The early Soviet project of hybridising humans and apes
- 10 November **Trish Stewart (University of St Andrews)**  
New manuscript evidence for medieval Latin bestiary ownership and use
- 17 November **Andrew Cunningham (HPS, Cambridge)**  
Why do we want Aristotle to have been a biologist (given that he wasn't)?
- 24 November **Sarah Easterby-Smith (University of Warwick)**  
A botanical tour in Paris: botany, amateurship and communities of knowledge
- 1 December **Debby Banham (HPS, Cambridge)**  
Food, fair weather and fields: fundamental change in Anglo-Saxon England

# Psy Studies

## History of Psychiatry, Psychology, Psychoanalysis and Allied Sciences

Seminars are held on **Wednesdays at 5pm in Seminar Room 2**. Tea is available from 4.40pm. All welcome.

Organised by John Forrester and Deborah Thom.

- 22 October **Sudhir Kakar (INSEAD, Fontainebleau & Goa)**  
Psychoanalysis, psyche and spirit in the modern world
- 12 November **Aude Fauvel (HPS & Fondation Singer-Polignac)**  
How the insane crossed the Channel: a forgotten aspect of the Franco-British shared psychiatric history

# Graduate workshops

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## HPS History Workshop

The HPS History Workshop is a seminar group devoted to peer discussion of work in progress in all areas of the history of science, medicine and technology. All HPS postgraduate students with an interest in history are welcome to present draft MPhil essays, PhD chapters, conference papers, etc. The workshop encourages friendly and constructive feedback while providing a fortnightly point of contact for postgraduate historians at HPS.

We meet on **alternate Wednesdays at 1pm in Seminar Room 1**.

If you are interested in giving a paper or need more information, please contact Iris Montero.

15 October **Melanie Keene (HPS, Cambridge)**

Puns and pea-shooters: play, words, and plays on words in John Ayrton Paris's *Philosophy in Sport Made Science in Earnest* (1827)

29 October **Alexander Wragge-Morley (HPS, Cambridge)**

'Restitution' in seventeenth-century architecture and natural philosophy

12 November **Jiri Hudecek (HPS, Cambridge)**

Wu Wen-Tsun: a modern Chinese mathematician and the Chinese mathematical tradition

26 November **Jennifer Rampling (HPS, Cambridge)**

Hunting the phoenix: an alchemical detective story

## Philosophy Workshop

The PW is a fortnightly peer group seminar devoted to the discussion of on-going work by researchers in philosophy. Short papers will normally be circulated by e-mail one week in advance of each meeting, where the author will give a brief synopsis. The aim of the seminar is to provide a forum for informal, constructive interaction amongst those currently engaged in philosophical research.

Meetings take place **every other Wednesday at 1pm in Seminar Room 1**, and are open to all researchers.

For more information, or to add your name to the list of e-mail recipients, contact Mark Sprevak.

22 October **Billy Wheeler (HPS, Cambridge)**

Groundwork for a Humean theory of ideal laws

5 November **Joanna Burch Brown (HPS, Cambridge)**

Objective consequentialism, criteria of rightness and ignorance

19 November **Sam Nicholson (HPS, Cambridge)**

Is the pessimistic induction valid?

3 December **Alix Rogers (HPS, Cambridge)**

Status of human tissues

# Reading and discussion groups

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## Metaphysics Reading Group

The group meets on **Mondays 1.00–2.30pm in the HPS Lodge**. This term we will be reading from *The Philosophy of Philosophy* by Timothy Williamson. Meetings are open to all, and usually start with a brief, informal introduction to the week's reading from a group member. All welcome.

Organised by Alex Broadbent.

- 13 October Introduction, and The Linguistic Turn and the Conceptual Turn
- 20 October Taking Philosophical Questions at Face Value
- 27 October Metaphysical Conceptions of Analyticity
- 3 November Epistemological Conceptions of Analyticity
- 10 November Knowledge of Metaphysical Modality
- 17 November Thought Experiments
- 24 November Evidence in Philosophy
- 1 December Knowledge Maximization

## Science and Literature Reading Group

We meet on **Mondays from 7.30 to 9pm in the upstairs seminar room of Darwin College**. All are welcome! Organised by Daniel Friesner (Science Museum) and Melanie Keene (HPS). For further information, visit our weblog: <http://sci-lit-reading-group.blogspot.com>

This term we will be reading about the science of education. Copies of all the readings will be placed in our box file in the Whipple Library.

- 20 October Jean-Jacques Rousseau, *Émile, ou De l'éducation* (1762), Book 2, especially the discussion of children's reasoning, which is pp. 89-126 in the Penguin edition translated by Allan Bloom; pp. 63-107 in the Everyman edition translated by Barbara Foxley; and paragraphs 254-412 in the Grace Roosevelt translation, available online  
[http://www.ilt.columbia.edu/pedagogies/rousseau/em\\_eng\\_bk2.html](http://www.ilt.columbia.edu/pedagogies/rousseau/em_eng_bk2.html)
- 3 November Maria Edgeworth, *The Good French Governess* (1801). Available from <http://www.archive.org/details/talesandnovels03edgeuoft> and the same edition has also been digitised by Google Books. If you have difficulty downloading either of these, a version without page numbers is available from <http://www.online-literature.com/maria-edgeworth/tales-novels-vol1/5/>
- 17 November Otto Ernst, *Flachsmann als Erzieher* (1900). Translated by H M Beatty as *Master Flachsmann* (1904). Available from <http://www.archive.org/details/masterflachsmann00schmrich>
- 1 December Chas. Hope Semir, *Driven to suicide! or, the life of an assistant master in a London board school* (1889). There is a copy of this pamphlet in the Cambridge University Library, classmark 1890.7.610, order in Rare Books Room.



# History and Theory Reading Group

The group will discuss articles (their own, and those of others) relating to problems of historical research, interpretation, explanation and narration. Articles will be placed well in advance in a History and Theory box in the Whipple. Suggested additional readings are listed at [www.hps.cam.ac.uk/seminars/theory.html](http://www.hps.cam.ac.uk/seminars/theory.html)

We meet on **Fridays, 2.30pm to 4pm in the HPS Lodge.**

Organised by Signe Nipper Nielsen and Nick Whitfield.

17 October **Bonnie Evans:** Foucault revisited: history and the human sciences

Foucault, Michel: *History of Madness* (Routledge, London, 2006) Part 3, Section 2: 'The New Division' pp.381-418

Foucault, Michel: *The Order of Things: An Archaeology of the Human Sciences* (Tavistock 1974) 'Foreword to the English edition' pp.ix-xiv and 'Chapter 8: Labour, Life and Language' pp.250-302

31 October **Ludmilla Jordanova:** History with images

Jordanova, Ludmilla: 'Image Matters', in *The Historical Journal*, 51:3, 2008, pp.793-809

Ann B. Shteir and Bernard Lightman: 'Introduction' in Ann B. Shteir and Bernard Lightman (eds.): *Figuring it Out. Science, Gender and Visual Culture*. Lebanon, N.H.: Dartmouth College Press, 2006, pp. xv- xxx. Can be found on Google Books:

[http://books.google.com/books?id=Bqq4B5lr5rYC&printsec=frontcover&source=gbs\\_summary\\_r&cad=0](http://books.google.com/books?id=Bqq4B5lr5rYC&printsec=frontcover&source=gbs_summary_r&cad=0)

14 November **Isabel N. DiVanna:** The birth of sciences of languages in the 19th century

Koerner, Konrad: 'The natural science impact on theory formation in 19th and 20th century linguistics' in *Professing Linguistic Historiography*. Amsterdam: John Benjamins, 1995, 47-76.

Koerner, Konrad: 'Positivism in 19th century linguistics' in *Practising Linguistic Historiography. Selected essays*. Amsterdam: John Benjamins, 1989, 191-209.

28 November **Sadiya Qureshi:** Race in history

Fields, Barbara J.: 'Ideology and Race in American History', in J. Morgan Kousser and James M. McPherson ed.: *Region, Race and Reconstruction: Essays in Honour of C. Vann Woodward*. (Oxford: Oxford University Press, 1982), pp.143-77.

Kidd, Colin: Introduction to *The Forging of Races: Race and Scripture in the Protestant Atlantic World, 1600-2000*. (Cambridge 2006).

# Scientific Images Discussion Group

The seminar aims to discuss the relationship between history and philosophy of science and the visual image. Almost all of us come across scientific images in our research; there is, however, no clear consensus of how best to incorporate visualisation into fields of studies. If we do not want to consider scientific images merely as illustrations of a text, how can we use appropriate methods and concepts in order to get results beyond the pure text? The group aims to face these challenges and deal with the methods, treatment and interpretation of scientific images that will include images as a constitutional part of knowledge and evidence as well as images of the fine arts reflecting science.

This term Nick Hopwood will join the group to discuss his drafts of selected chapters of *Pictures of Evolution and Charges of Fraud* dealing with the controversial pictures of embryos by the German zoologist Ernst Haeckel.

Meetings will take place fortnightly on **Wednesdays, 11am–1pm, in Seminar Room 1**. All welcome.

Each presenter will choose a text to be prepared by the group. You will find these texts a week in advance in the group's box in the Whipple Library. For more information contact Mirjam Brusius.

- 15 October
  1. **Martin Rudwick:** The visual language of geology, 1760-1840
  2. **Alexander Wragge-Morley:** Isaac Newton's architectural drawings of the Temple of Solomon
- 29 October Discussion of *Pictures of Evolution and Charges of Fraud* (by Nick Hopwood; with a short introduction by the author)
- 12 November
  1. Discussion of *Pictures of Evolution and Charges of Fraud* (by Nick Hopwood)
  2. **Geoff Belknap:** Methodology and the visual image
- 26 November
  1. Discussion of *Pictures of Evolution and Charges of Fraud* (by Nick Hopwood)
  2. **Boris Jardine:** Documentary sociology: Mass-Observation as aesthetic science

# Kant Reading Group

This term the Kant Reading Group will be looking at Kant's *Critique of Judgment*, in particular his treatment of teleological explanation. The group meets from **1pm to 2.30pm every Tuesday in the HPS Lodge**. For more information please contact Sacha Golob. All welcome!

Methodology of the Teleological Power of Judgment (in *Critique of Judgment*, pp. V 416 ff.)

- 14 October §§ 79-81 (V 416-424)
- 21 October §§ 82-84 (V 425-436)
- 28 October §§ 85-86 (V 436-447)
- 4 November §§ 87-88 (V 447-459)
- 11 November §§ 89-90 (V 459-466)
- 18 November § 91 up to 'General Remark' (V 467-474)
- 25 November 'General Remark on the Teleology' (V 475-484)
- 2 December Wrap up etc

# Astronomical Images

These meetings are part of the AHRC project 'Diagrams, Figures and the Transformation of Astronomy, 1450–1650', which analyzes the production, function and terminology of early modern astronomical imagery. Our meetings take the form of discussing papers or presentation by scholars (migrating once a month to Latin Therapy for a close reading of primary texts).

All members associated with HPS are welcome; please feel free to bring lunch. Reading material will be available in a box ('Astronomical Images') in the library.

Organised by Katie Taylor.

Thursday 16 October, 12.30–2.30

**Nick Jardine:** discussion of C. Lüthy, 'Where logical necessity becomes visual persuasion', and I. Pantin, 'Kepler's *Epitome*: New images for an innovative book', both in *Transmitting Knowledge: Words, Images, and Instruments in Early Modern Europe*, edited by S. Kusukawa and I. Maclean, Oxford: Oxford University Press, 2006.

Thursday 23 October, 12.30–2.30

**Katie Taylor:** 'Differing diagrams: the uses of and audiences for images in the work of Thomas Digges and others'. She will compare and contrast the diagrams of Leonard and Thomas Digges (father and son) and their contemporaries.

Friday 31 October, 4.00–5.30

Joint meeting with Latin Therapy

Friday 28 November, 4.00–5.30

Joint meeting with Latin Therapy

Thursday 4 December, 12.30–2.30

**Sachiko Kusukawa:** discussion on J.D. North, 'Diagram and thought in medieval science', in *Villard's Legacy: Studies in Medieval Technology, Science and Art in Memory of Jean Gimpel*, edited by M-T. Zenner, 265-88, Aldershot, 2004; and Michael H. Shank, 'Mechanical thinking in European astronomy (13th-15th centuries)', in *Mechanics and Cosmology in the Medieval and Early Modern Period*, edited by Massimo Bucciantini, Michele Camerota and Sophie Roux, 3-27, Florence: L. S. Olschki, 2007.

# Twentieth Century Think Tank

The Think Tank offers broad coverage of 20th-century topics in the history and philosophy of science. Sessions alternate between readings and talks, and each term has a different theme. Copies of all texts can be found in the TCTT box in the Whipple Library. Meetings are **every other Tuesday at 1pm in Seminar Room 1**. Everyone is welcome, and feel free to bring lunch!

For more information visit <http://20cthinktank.googlepages.com/>

## Science on the Left and Right

- 14 October
1. D. Kaiser, 'The Atomic Secret in Red Hands? American Suspicions of Theoretical Physicists During the Early Cold War', *Representations*, 90 (Spring 2005), 28-60
  2. S. Gerovitch, "'Mathematical Machines" of the Cold War: Soviet Computing, American Cybernetics and Ideological Disputes in the Early 1950s', *Social Studies of Science*, volume 31, number 2, *Science in the Cold War* (April 2001), 253-287
- 28 October
- Talk: **Josh Nall (Whipple Museum, University of Cambridge)**,  
'Uses of history in the pamphlets of the Society for Freedom in Science'
1. W. McGucken, 'On freedom and planning in science: The Society for Freedom in Science, 1940-46', *Minerva*, volume 16, number 1 (March 1978), pp. 42-74
  2. G. Werskey, *The Visible College* (London, 1988), chapter 6, 'Theory', pp. 176-211
- 11 November
1. N. Cartwright et al, *Otto Neurath: Philosophy between Science and Politics* (Cambridge, 1996), chapter 1.4, 'In Red Vienna', pp. 56-81
  2. M. Friedman, *A Parting of the Ways* (Chicago, 2000), chapter 2, 'Overcoming Metaphysics: Carnap and Heidegger', pp. 11-24
- 25 November
- Talk: **Pedro Ruiz Castell (Universitat Autònoma de Barcelona)**,  
'Instruments of dictatorship: science and politics in Franco's Spain'
1. Maria Jesus Santesmases, 'Severo Ochoa and the Biomedical Sciences in Spain under Franco, 1959-1975', *Isis*, 91 (2000), 706-734

# Language groups

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## Latin Therapy

The Latin Therapy Group meets on **Fridays at 4pm in the HPS Lodge (first meeting 17 October)** to practise the art of translation, improve our Latin grammar, and determine who deserves more sympathy on account of the difficulty of their sources – all in a mutually supportive environment!

Each week we study a classical, medieval or early modern text related to the history of science, medicine and technology, selected by members of the group – perhaps as research for an essay or paper, or simply to revive rusty language skills. We warm up with a short introductory piece before moving onto the main text, aiming to produce a working translation each week. Latin texts are circulated in advance, and further support is provided by our language tutor, Debby Banham. All are welcome.

This year, Latin Therapy also joins forces with the AHRC-funded project ‘Diagrams, Figures and the Transformation of Astronomy, 1450-1650’ to investigate some early modern astronomical texts and images. These joint sessions will take place on 31 October and 28 November at the usual time.

More information can be found at our website: [www.hps.cam.ac.uk/latintherapy](http://www.hps.cam.ac.uk/latintherapy). To be added to the mailing list, or to suggest a text, please contact Jenny Rampling.

## Greek Therapy

We are a small informal group seeking to improve our Ancient Greek with the help of our tutor, Liz Smith. At present we are reading Porphyry’s *Life of Pythagoras* and we hope to move on to some easy Plato in the course of the year.

Meetings are provisionally scheduled for **5.30pm on Tuesdays** in full term (but this is flexible). All are welcome. For further information please contact Lydia Wilson.