

## HPS&ST Note

Inter-Divisional Teaching Commission of the International Union for the History and  
Philosophy of Science

March 2015

**Dear IHPST Colleagues,**

The following announcements are timely.

### **# 13<sup>th</sup> Biennial International IHPST Conference**

The 2015 IHPST Biennial Conference will be held in Rio de Janeiro, July 22-25, at The Federal Center of Technological Education of Rio de Janeiro (CEFET/RJ) under the co-chairmanship of Marco Braga and Andreia Guerra.

Closing date for conference submissions is **March 14**.

Further details of registration, accommodation, venue are available at:

<http://www.abq.org.br/ihpst2015/>

### **# *Science & Education* Current Issue (Vol. 24 Nos. 1-2)**

Thematic Issue: Mendel, Mendelism and Education: 150 years since the “*Versuche*”

Contents and details at: <http://link.springer.com/journal/11191/24/1/page/1>

### **# *Philosophical Transactions of the Royal Society*, Open Access Issues on Landmark Papers**

The world’s oldest scientific journal, *Philosophical Transactions of the Royal Society*, celebrates its 350th anniversary this month.

As part of the anniversary celebrations, the Royal Society has published two special journal issues in which modern experts revisit landmark papers published in *Philosophical Transactions* to explore how they have impacted science across the globe.

- Highlights in the two celebratory issues include: science writer Philip Ball, writing on Alan Turing’s paper ‘Chemical Basis of Morphogenesis’ on the spontaneous formation of patterns in the natural world; Dr Nick Lane reflects on Leeuwenhoek’s first glance into the microscopic world of bacteria; Patricia Fara explores Newton’s 1672 paper which presented his new theory about light and colour; Jim Al-Khalili takes a look at Faraday’s ‘Experimental researches in electricity’ and John McEvoy on ‘Gases, God and the balance of nature: a commentary on Priestley (1772) ‘Observations on different kinds of air’ . All of these papers can be downloaded gratis from the Royal Society sites below.

More details of these two open access issues are available at:

<http://rsta.royalsocietypublishing.org/content/373/2039>

<http://rspb.royalsocietypublishing.org/content/370/1666>

*Philosophical Transactions* pioneered the concepts of scientific priority and peer review which, together with archiving and dissemination, provide the model for almost 30,000 scientific journals today.

To celebrate the anniversary the Royal Society is holding a series of events looking back at the history of *Philosophical Transactions* of the Royal Society and forwards to the future of scientific publication. To find out more about celebrations around the anniversary visit:

<https://royalsociety.org/publishing350/>

### **# HPS&ST Handbook**

The Springer handbook of research in History, Philosophy and Science and Mathematics Teaching has been published. There are 2,544 pages in 3-volumes, with 76 chapters, written by 125 authors from 30 countries. The extensive scope of the work is reflected in the Subject Index which has 2,000 entries, the Name Index which has 3,600 entries, and the 10,200 references cited.

Where institutions purchase the e-version of the handbook (EUR650, USD700), their staff and students can download individual chapters gratis. Further, such staff and students can purchase the whole 3-volume printed work for EUR35 or USD35 (mail included). Please note that this offer is only available for institutions purchasing the e-version, not the more expensive printed version.

Full details at: <http://www.springer.com/education+%26+language/book/978-94-007-7653-1>

### **# Anthology: *Contemporary Studies in HPS & Science Teaching***

The 76 chapters in the HPS&ST handbook cover a good deal of the HPS&ST field, but they do not exhaust it. Topics that were planned for the handbook, but that for different reasons did not make the published version include:

*'Feminism and Sc. Educ. Debates'*

*'HPS & Sc. Teacher Preparation'*

*'The Enlightenment Tradition in Science Education'*

*'Lessons from the History of Constructivism in Science Education Research'*

*'Indoctrination: Can and should it be avoided in science education?'*

*'Science and the Liberal Education Tradition'*

There are other lacunae in the handbook that might be identified, including other biographies (just five are in the handbook) and other national studies (just eleven in the handbook).

Springer have agreed, in principle, to publish an anthology provisionally titled *Contemporary Studies in HPS & Science Teaching* in their *Science: Philosophy, History and Education* book series ([www.springer.com/series/13387](http://www.springer.com/series/13387)).

The anthology is intended to complement, not repeat, topics covered in the handbook. Of particular concern is locating and publishing research on The Enlightenment Tradition in Science Education – studies on historical, philosophical, cultural, national and educational dimensions of the topic.

The initial maximum length for anthology chapters will be 12,000 words. **A 1,500 word abstract (with references) to be submitted to the editor by March 17** The final manuscript submission date will be September 1<sup>st</sup> 2015. All submissions will undergo multiple review.

Researchers working on any of the above topics (or other relevant HPS&ST topics), or who know researchers who are, please contact the anthology editor:

Michael R. Matthews [m.matthews@unsw.edu.au](mailto:m.matthews@unsw.edu.au)

### **# *Science Teaching: The Contribution of History and Philosophy of Science***

The 20<sup>th</sup> anniversary edition of this 1994 book has been published by Routledge. It has twelve chapters, 1,300 references, 500 pages, and 185,000 words; it provides a foundation for HPS-informed research and teaching in science education; it has been well received by philosophers, psychologists and educators.

Details at:

[www.routledge.com/9780415519342](http://www.routledge.com/9780415519342)

### **# Coming Conferences**

March 12-16, 2015, Philosophy of Education Society (PES), annual conference, Memphis.

Details at: <http://www.philosophyofeducation.org/>

April 11-14, 2015, National Association for Research in Science Teaching (NARST) annual conference, Chicago

Details at: [www.narst.org](http://www.narst.org)

June 15-18, 2015, 'Baltic Symposium on Science and Technology Education', Siauliai, Lithuania

Details at: <http://www.scientiasocialis.lt/balticste>

July 22-25, 2015, 13<sup>th</sup> IHPST International Conference, Rio de Janeiro, Brazil

Details at: <http://www.abq.org.br/ihpst2015/>

August 3-8, 2015, 15<sup>th</sup> Congress of Logic, Methodology, and Philosophy of Science, Helsinki, Finland

Details at: <http://www.helsinki.fi/clmps>

August 31 – September 4, 2015, European Science Education Research Association, Helsinki, Finland

Details at: <http://www.esera.org/announcements/esera-announcements/esera-bi-annual-conference-to-be-held-in/>

### **# New IHPST Newsletter Format and Distribution**

In 2015, the IHPST newsletter will get a new look and will be published quarterly by its new editor, Ami Friedman ([AmiFriedman@wlcsl.org](mailto:AmiFriedman@wlcsl.org)). This will contain book reviews and all the other enhanced information that used to be present in the old web-based newsletter format

(<http://ihpst.net/recent-newsletters/>)

In the meantime, the IHPST is increasing its presence online. You can like us on Facebook ([facebook.com/IHPSTgroup](https://www.facebook.com/IHPSTgroup)) and follow us on Twitter ([twitter.com/IHPSTgroup](https://twitter.com/IHPSTgroup)) for announcements about the organization, new books, upcoming conferences.

In the coming weeks, instructions on how to subscribe to the new newsletter will be communicated on our website ([ihpst.net](http://ihpst.net)), in the next issues of the newsletter, as well as on social media.

### **# Email List**

This email list consists of about 6,000 individuals with interests in History, Philosophy and Science and Mathematics Teaching. They are referred to as 'IHPST Colleagues' as distinct from the much smaller group of paid, financial members of the IHPST group. The email list is used sparingly to send HPS&ST information such as contained in this message. It is a closed list, not an open discussion list.

If you receive this email message and wish to remove yourself from the list, simply send an email message to: [ihpst-group-unsubscribe@lists.unsw.edu.au](mailto:ihpst-group-unsubscribe@lists.unsw.edu.au) . There is no need for a subject header or any message; the email itself suffices for removal from the list.

Alternatively, if you have friends, colleagues or students who would like to subscribe to the list, tell them to send a message to: [ihpst-group-subscribe@lists.unsw.edu.au](mailto:ihpst-group-subscribe@lists.unsw.edu.au) . There is no need for subject header or any message; the email itself suffices for addition to the list.