

HPS&ST Note

Inter-Divisional Teaching Commission of the International Union for the History and
Philosophy of Science
April 2015

Dear NARST Colleagues,

The following HPS&ST announcements might be of interest.

13th 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.

Further details of registration, accommodation, venue and speakers are available at:
<http://www.abq.org.br/ihpst2015/>

*Science & Education* Current Issue (Vol. 24 No.3)

FRED JANSSEN & BERRY VAN BERKEL / Making Philosophy of Science Education Practical for
Science Teachers

YANNIS HADZIGEORGIOU / A Critique of Science Education as Sociopolitical Action from the
Perspective of Liberal Education

INGO EILKS, MARC STUCKEY, PETER HEERING, RACHEL MAMLOK-NAAMAN & AVI
HOFSTEIN / The philosophical works of Ludwik Fleck and Their Potential Meaning for
Teaching and Learning Science

DAVID R LEGATES, WILLIE SOON, WILLIAM M. BRIGGS & CHRISTOPHER MONCKTON /
Climate Consensus and 'Misinformation': A Rejoinder to 'Agnotology, Scientific
Consensus, and the Teaching and Learning of Climate Change'

Book Reviews

KATHARINE ANDERSON / Peter Heering, Stephen Klassen, Don Metz (eds.) (2013) *Enabling
Scientific Understanding Through Historical Instruments and Experiments in Formal and
Non-Formal Learning Environments*. Flensburg Studies in the History and Philosophy of
Science in Science Education

MARTIN UNDERWOOD / Graham Farmelo (2013) *Churchill's Bomb: A Hidden History of Science,
War and Politics*

Contents and details at: <http://link.springer.com/journal/11191/24/3/page/1>

HPS and Science Education Graduate Student Summer School

*New Educational and Fundamental Insights for Sciences and History-Epistemology-Philosophy of
Sciences, & Science Education*

June 22nd-26th, 2015, MESHS, Lille, France

Sponsored by the Interdivisional Teaching Commission of the DHST and DLMPS and by the Centre Maison Européenne des Sciences de l'Homme et de la Société (MESHS).

Speakers and workshop leaders include:

- Joseph Agassi (Israel)
- Jean Dhombres
- Helge Kragh (Denmark)
- Nicholas Maxwell (United Kingdom)
- Patricia Radelet de-Grave (Belgium)
- Shahid Rahman (France)

Full details of registration, accommodation and programme available at:

<http://summerschoollille2015.historyofscience.it/index.php/en/>

Or from workshop convenor:

Raffaele Pisano: pisanoraffaele@iol.it

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 EUR25 or USD25 (mail included). Please note that this offer is only available for students and staff whose institutions have purchased 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*

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).

The anthology is intended to complement, not repeat, topics covered in the 3-volume HPS&ST handbook. A number of fields and authors have already been invited, and their work is progressing.

One field that warrants inclusion and for which an author or authors are sought is: 'The History of Constructivism in Science Education'. As is well known, constructivism 'took over' science education in the 1980s and 90s, with thousands and thousands of papers and presentations being published and given on the subject, yet at the recent 2015 NARST conference the term was hardly seen in the titles of presentations, and the same for the 2015 AERA conference. Constructivism seemed to be 'missing in action'.

An obvious question is: Where and why did constructivism go? A precondition for the health of any discipline or research area is that it learn from its past. This is something that, conspicuously, science education fails to do well. Maybe everyone now is a constructivist and so the label need not be used;

or perhaps no one is a constructivist and so the label is not being used; or something else accounts for the disappearance of the term. A paper documenting the history of constructivism in science education and learning something from this history would be a valuable contribution to the anthology. Interested researchers should contact the editor: Michael R. Matthews m.matthews@unsw.edu.au

The initial maximum length for anthology chapters will be 12,000 words. The final manuscript submission date will be September 1st 2015. All submissions will undergo multiple review.

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

The 20th 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

Through to Dec.31 2015, a 20% discount on the list price is available by citing **IRK69** in the 'discount code' box in the website order form.

Coming Conferences

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

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

June 22-26, 2015, HPS & Science Education Graduate Student Summer School, Lille, France

Details at: <http://summerschoollille2015.historyofscience.it/index.php/en/>

July 22-25, 2015, 13th IHPST International Conference, Rio de Janeiro, Brazil

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

August 3-8, 2015, 15th 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 (ESERA), Helsinki, Finland

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

March 14-17, 2016, NARST annual conference, Baltimore, USA

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

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). 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) 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), 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 . 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 . There is no need for subject header or any message; the email itself suffices for addition to the list.