

# Commuiqué

SOCIÉTÉ CANADIENNE D'HISTOIRE ET DE PHILOSOPHIE DES SCIENCES

CANADIAN SOCIETY FOR THE HISTORY AND PHILOSOPHY OF SCIENCE

N° 83

Autumn/Automne 2012

## CSHPS ANNUAL MEETING 2013 CALL FOR PAPERS

\*\*\*French follows\*\*\*

The Canadian Society for the History and Philosophy of Science (CSHPS) is holding its annual conference as part of the Congress of the Humanities and Social Sciences (CFHSS) at the **University of Victoria, June 2-4, 2013.**

The program committee invites scholars working on the history and philosophy of science to submit abstracts for individual papers or proposals for sessions. Proposals for sessions (3 and 4 paper) are particularly encouraged.

**Meeting languages:** The CSHPS is a bilingual society. Individual papers may be given in English or French, but efforts to broaden participation are appreciated (e.g. a presentation in English could be accompanied by a PowerPoint in French, and vice versa). Similarly, sessions can be presented in either English or French, but bilingual sessions are especially welcomed.

**Joint sessions:** The CSHPS meeting overlaps with the meeting dates of a number of other member societies of the CFHSS, including the Canadian Historical Association, Canadian Philosophical Association, Canadian Sociological Association, Women's and Gender Studies et Recherches Féministes, Canadian Society for the History of Medicine and the Environmental Studies Association of Canada. We welcome proposals for joint sessions with these and other societies. However, no talk will be accepted for presentation at more than one society.

### Submissions:

- In order to preserve the anonymity of authors, it is important that contact information and other identifying information be excluded from the file containing the abstract.
- Individual paper submissions should consist of a title, a brief abstract (150-250 words), and—in the accompanying email—the author's name and contact information.
- Session proposals should consist of a session title, titles and brief abstracts (150-250 words) for each paper, and—in the accompanying email—the names and contact information of the presenters and session organizer.
- Proposals should be in MS Word, pdf, or rtf files.
- All presenters must be members of the CSHPS at the time of the meeting. For more information about CSHPS membership, consult: <http://www.yorku.ca/cshps1/>.
- Individuals can only submit one abstract for the CSHPS meeting (i.e. either an abstract for an individual paper or and abstract part of a session proposal).

**Deadline: February 1st, 2013**

**Submission email address:**

[program.cshps@gmail.com](mailto:program.cshps@gmail.com)

**Student Prize:** The CSHPS offers the **Richard Hadden Award**, a book prize for the best student paper presented at the meeting. To be considered for the award, students

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## Communiqué

Newsletter of the  
Société canadienne d'histoire et de philosophie des sciences/Canadian Society for the History and  
Philosophy of Science

Nº 83  
Autumn/Automne  
2012

[www.cshps.ca](http://www.cshps.ca) [www.schps.ca](http://www.schps.ca)

Please direct submissions and inquiries to Sofie Lachapelle or Aryn Martin, preferably by email (details below). Please note that submissions should be sent in both official languages. The editors are grateful to York University for assistance in printing and mailing costs, and to the University of Guelph for providing the necessary software.

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CSHPS-SCHPS Executive:

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Montréal)  
Secretary-Treasurer: Conor Burns (Ryerson Uni  
versity)

should submit a copy of their paper by e-mail five weeks prior to the congress (i.e. May 1, 2012) Details of this prize can be found at: <http://www.yorku.ca/cshps1/HaddenPrize.htm>

CFHSS: Information about Congress registration and accommodation will be available at the CFHSS website: <http://www.fedcan.ca/>.

### Programme Committee (2012-2013)

Elizabeth Neswald, Chair (Brock University) [eneswald@brocku.ca](mailto:eneswald@brocku.ca)  
Hannah Gay (Simon Fraser University) [hgay@sfu.ca](mailto:hgay@sfu.ca)  
Bryson Brown (University of Lethbridge) [brown@uleth.ca](mailto:brown@uleth.ca)

### --- APPEL DE COMMUNICATIONS ---

La Société canadienne d'histoire et de philosophie des sciences (SCHPS) tiendra son congrès annuel dans le cadre du Congrès des sciences humaines (FCSH) qui se déroulera à l'Université de Victoria du 2 au 4 juin 2012. Le comité de programme invite les historiens et philosophes des sciences à soumettre un résumé pour une communication individuelle ou une proposition de séance pour le congrès. Les propositions de séances pour 3 ou 4 communications seront particulièrement bienvenues.

Langues du congrès: La SCHPS est une société bilingue. Les communications individuelles peuvent être en français ou en anglais mais les efforts pour faciliter une participation diversifiée sont encouragés (par exemple, une

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communication en français accompagnée d'une présentation PowerPoint en anglais, ou vice-versa). De façon similaire, les séances peuvent être en anglais ou en français, mais les sessions bilingues sont particulièrement appréciées.

**Séances conjointes :** Le congrès de la SCHPS se déroule en même temps que ceux de plusieurs autres sociétés membres de la FCSH, comme la Société historique du Canada, l'Association canadienne de philosophie, Société canadienne de sociologie, Women's and Gender Studies et Recherches Féministes, la Société canadienne d'histoire de la médecine, et l'Association canadienne d'études environnementales. Nous encourageons les propositions de séances conjointes avec d'autres sociétés. Cependant, aucune communication ne peut être présentée à plus d'une société.

**Soumissions:**

- Afin de préserver l'anonymat des auteurs, aucune coordonnée personnelle ne doit être incluse dans le fichier contenant une proposition de communication.
- Les propositions de communication individuelle doivent comprendre un titre, un résumé (entre 150 et 250 mots) et, dans le courriel les accompagnant, les coordonnées de l'auteur.
- Les propositions de séance doivent comprendre le titre de la séance, les titres et résumés (entre 150 et 250 mots) de chaque contribution et, dans le courriel les accompagnant, les noms et coordonnées des auteurs et de l'organisateur de la séance.
- Les propositions doivent être soumises dans des fichiers de format MS Word, pdf, or rtf.

**Nombre de soumissions :** Une personne ne peut soumettre qu'un résumé de communication (c.-à-d. soit pour une communication individuelle soit pour une communication faisant partie d'une séance).

- Tous les présentateurs doivent être membres de la SCHPS au moment du congrès. Pour plus d'information sur l'inscription à la SCHPS, consulter le site : [http://www.yorku.ca/cshps1/index\\_fr.html](http://www.yorku.ca/cshps1/index_fr.html)

**Date limite de soumission: 1er février 2013**

**Email:** [program.cshps@gmail.com](mailto:program.cshps@gmail.com)

La SCHPS décerne le **prix Richard Hadden** pour le meilleur texte étudiant présenté lors du congrès. Les candidats au concours devront envoyer par courriel une

copie de leur article au moins 5 semaines avant le début du congrès (c.-à.-d. le 1 mai 2013). Pour informations, visitez le site web : [http://www.yorku.ca/cshps1/HaddenPrize\\_fr.html](http://www.yorku.ca/cshps1/HaddenPrize_fr.html)

Les informations concernant l'inscription et les possibilités d'hébergement pour le congrès se trouveront sur le site web de la FCSH: <http://www.fedcan.ca/>.

**Comité de programme (2012-2013)**

Elizabeth Neswald, Chair (Brock University) [eneswald@brocku.ca](mailto:eneswald@brocku.ca)

Hannah Gay (Simon Fraser University) [hgay@sfu.ca](mailto:hgay@sfu.ca)  
Bryson Brown (University of Lethbridge) [brown@uleth.ca](mailto:brown@uleth.ca)

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**The People Issue**

Two years ago, we added a thematic feature to the autumn issue of *Communiqué*. In keeping with a (not altogether planned) reversal of anthropocentrism, we began with "Artifacts" (#77) and followed up with "Organism" (#80). It's "our" turn, and we are grateful to the members who have generously contributed stories of the characters they encounter in their work.

--*The editors*

**Mme Thiroux d'Arconville (1720-1805)**

*by Margaret Carlyle*

Born in Paris to a tax form collector and married at a young age to a member of the Paris Parliament, Marie-Geneviève-Charlotte Darlus Thiroux d'Arconville was an accomplished and largely self-taught Enlightenment woman of letters, translator, and scientific experimentalist. Her voluminous published output spanned some three and a half decades and covered such fields as literature, moral philosophy, biography, and history.

Her scientific works, which like all her publications appeared anonymously, included two translations of English-language textbooks into French and a stand-alone publication of original research. Her

first translation, of the Scottish anatomist Alexander Monro's (primus, 1697-1767) *Anatomy of the Human Bones* (original: 1726), was published in 1759 and included a controversial second volume featuring thirty one lavish engravings of skeletons, which Mme Thiroux d'Arconville and her collaborator, the anatomist Jean-Joseph Sûe (1710-1793), had commissioned from several illustrators and engravers. Also in 1759, she published a translation of the English chemist and itinerant lecturer Peter Shaw's (1694-1763) *Chemical Lectures* as the *Leçons de chymie* (1734), to which she added numerous explanatory notes and a lengthy introduction charting the history of chemistry and contemporary experimental problems, both of which were well-received additions to the original.

Through these translation projects and her learning in anatomy and chemistry, she was inspired to pursue independent experimental research on the medically oriented topic of animal putrefaction. Hundreds of experiments conducted over a handful of years culminated in the publication of *Essai pour servir à l'histoire de la putréfaction* in 1766, which documented in over five-hundred pages the experiments she carried out on animal flesh, and even human bile. This experimental work unfolded in her two laboratories, at her country seat at Crosne and in her Parisian residence. In 1775, she published a multi-volume series in which she re-printed most of her life's works. Yet the third of these volumes included a new set of scientific translations, of essays on primarily medical, but also botanical, topics based on contributions in the 1720s to the Royal Society of London's *Philosophical Transactions*. Surviving the French Revolution, Mme Thiroux d'Arconville died in Paris in 1805.

*Margaret Carlyle is a doctoral candidate in history at McGill University.*

### **Ernst Cassirer (1874-1945)**

*by David Brooke Struck*

In the 1920's, the Neokantian schools of philosophy (Marburg and Southwest) were in decline. At a 1929 conference in Davos, Switzerland, there occurred a fateful debate between Martin Heidegger and Ernst

Cassirer: Heidegger represented a new emerging trend of philosophical thought; Cassirer was seen to represent the declining Neokantianism. In attendance was the young Carnap, who, after the Davos conference and impressed by Mr. Heidegger, began digging into *Being and Time*. With the rise of Nazism, Heidegger was left as the undisputed intellectual champion of Germany (and much of the European continent), while Carnap, the Vienna Circle, and their descendants fled in droves for the safer climes of America.

Into the gap opened between these two solitudes fell Ernst Cassirer: while he was certainly one of the central figures of the declining Neokantians, his philosophy of symbolic forms (presented in three volumes, and change, of that same title) represents an important step forward from Neokantianism. Unfortunately, as he fled to Sweden in 1933, to Britain in 1939, and to America in 1941, and passed away in 1945 in New York City, Cassirer was so often on the move that his work barely had time to gather a significant following before he was off someplace else.

The work to retrieve Cassirer's ideas from the archive of the past has been a slow process. He published in many languages, making research on this fascinating character a linguistic adventure. (Sadly, the need for such adventures is disappearing with the emergence of high-quality translations of much of his work, though that's far from an altogether negative development.) Further delaying the retrieval of Cassirer's ideas is the fact that he presents his own position through discussion of philosophical history; he is therefore far too often mistaken for a historian of philosophy and his "symbolic turn" goes unnoticed.

However, the fruits of delving into Cassirer's philosophy are sweet—and currently in season. While the philosophy of symbolic forms was written to accord with the scientific climate of the early 20th century, Cassirer scholars are examining how well his contribution has fared in light of scientific developments in the intervening years, and it would seem that his work has aged quite well indeed. Cassirer's work has important bearing on contemporary debates found in the philosophy of science. Among other axes of connection, it has been argued that Cassirer is a precursor to structural realism. My doctoral work at the

University of Guelph consists specifically in clarifying this connection.

*David Brooke Struck a PhD student in the Department of Philosophy at the University of Guelph.*

## The Silwood Circle

by Hannah Gay

Hannah Gay's book is a wide-ranging account of the careers of a close-knit group of highly influential ecologists working in Britain from the late 1960s onwards. The book can also be read as a history of some recent developments in ecology. One of the group, Robert May, a past president of the Royal Society, is the author of what many see as the most important treatise in theoretical ecology of the later twentieth century. That the group flourished was due not only to May's intellectual leadership, but also to the guiding hand of T. R. E. Southwood. Southwood ended his career as Linacre Professor of Zoology at the University of Oxford, where he also served a term as vice-chancellor. Earlier, as a professor and director of the Silwood Park campus of Imperial College London, he brought the group together -- hence the name Silwood Circle. Southwood promoted the interests of its members with the larger aim of raising the profile of ecological and environmental science in Britain. Given public anxiety over the environment and the loss of ecosystems, his timing was good. Ecology, which had been on the scientific periphery in the first half of the twentieth century, came to be viewed as a science central to modern existence. The book illustrates ecology's importance to many areas. Members of the Silwood Circle have acted as government advisors in the areas of conservation and biodiversity, resource management, pest control, food policy, genetically modified crops, sustainable agriculture, international development, defence against biological weapons, epidemiology and infectious disease control. In recounting some of the science carried out by the ten scientists in the circle, the book reflects on the role of the group and, more generally, on the nature of successful careers in science.

*Hannah Gay's The Silwood Circle: A history of ecology and the making of scientific careers in late twentieth-*

century Britain, will be published by Imperial College Press in Spring, 2013.

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## MEMBER UPDATES

### BROCK UNIVERSITY

**Elizabeth Neswald** spent part of the summer as visiting scholar at the Max Planck Institute for the History of Science. The results of her last stay there July-Dec. 2010 will be appearing in *Historical Studies in the Natural Sciences* in the coming winter: "Strategies of International Community-Building in Early 20th-century Metabolism Research: The Foreign Laboratory Visits of Francis Gano Benedict." There is a summary of the documents on the MPI Virtual Laboratory website with some fantastic pictures from the documents: "An American Physiologist Abroad: Francis Gano Benedict's European Tours", *The Virtual Laboratory 2010*. <http://vlp.mpiwg-berlin.mpg.de/references?id=art77>. She has had several book chapters come out this year and presented papers at a number of conferences, including one on racial metabolism studies at the last 3 Societies meeting. She has also joined the York STS grad programme as an adjunct member and, as probably most people know in the meantime, she is programme chair for the upcoming CSHPS meeting.

### CAPE BRETON UNIVERSITY

**Andrew Reynolds** gave two invited talks in 2012: "Suicide and altruism in the society of cells: an illustration of nomadic concepts and rhetorical devices", at the Nomadic Concepts: Biological Concepts and their Careers Beyond Biology Conference, Phillips Universität, Marburg, Germany, Oct. 18-19 2012; "Discovering the Ties that Bind: Cell-cell Communication and the Development of Cell Sociology", E Pluribus Unum Conference on Biological Parts and Wholes (Lynn Nyhart and Scott Lidgard organizers), Chemical Heritage Foundation, Philadelphia, PA, May 3-6, 2012; two conference talks: "The deaths of a cell: how morphogenetic cell death became altruistic programmed cell suicide", 7th joint meeting of the HSS, BSHS and CSHPS, University of Pennsylvania, Philadelphia, July 14, (Part of a special session he organized with Lijing Jiang of Arizona State

University called “Death under the microscope: histories and mechanisms of apoptosis research”); and “From Pathways to Networks: Developments in the Science of Cell Signaling”, CSHPS, Congress of Humanities and Social Sciences Annual Meeting, Kitchener-Waterloo ON, May 27. He also gave a commentary on James A. Overton’s “Explanation in Science”, at the CPA meeting of the Congress in Kitchener-Waterloo ON, May 28, 2012. He has begun preparing a book manuscript on the topic of metaphors in cell biology. He would like to thank all the great people in CSHPS/SCHPS who made his time as secretary and treasurer a pleasant and rewarding experience.

#### IMPERIAL COLLEGE, LONDON

**Hannah Gay** has retired from the Centre for the History of Science, Technology and Medicine at Imperial College London, though remaining an honorary associate of the Centre. In July the Centre will disband and its staff and students will be moving to join the history department at King’s College London. Hannah has returned to her home in Burnaby BC, though she is still working on some historical projects in London.

#### INDEPENDENT SCHOLARS

**Allan Olley** is continuing to work on the role of computers in 20th century celestial mechanics, including the work of, IBM researcher, Wallace J. Eckert and the work done by the Jet Propulsion Laboratory. He also continues work in other issues of history of computers and scientific computation.

**David Orenstein** recently retired from thirty years teaching high school mathematics in inner city Toronto public high schools. This allows him plenty of time to visit Canadian archives and special collections. His current project is to examine the ramifications of the August 1924 International Mathematical Congress and the Annual Meeting of the British Association for the Advancement of Science, both held at the University of Toronto. Over the next year planned talks from this project are at the Geological Association of Canada in Winnipeg in May, CSHPS (Victoria, June), and a joint meeting of the Canadian Society for the History and Philosophy of Mathematics and the Mathematical Association of America (Hartford, Conn.; August).

**Sara Scharf** is an independent scholar right now, still interested in the history of biology (especially botany).

#### MCGILL UNIVERSITY

**Leslie Tomory**’s book *Progressive Enlightenment: The Origins of the Gaslight Industry, 1780–1820* was published by MIT Press in March. He has also published an article entitled “The environmental history of the British gas industry, 1812–1830” in the journal *Environmental History* in January. He continues his postdoctoral fellowship at McGill, and is working on his second book on the history of London’s water supply in the eighteenth century.

#### MCMASTER UNIVERSITY

In 2011-12 **Richard Arthur** had several papers published: “Virtual Processes and Quantum Tunnelling as Fictions”, in a special issue of *Science and Education* devoted to Mario Bunge’s philosophy 15, 1, 1-13, February 2012; “Leibniz’s Theory of Space”, in *Foundations of Science*, ed. Karin Verelst and Maarten Van Dyck, pp. 1-31, 2012; “Beeckman’s discrete moments and Descartes’ disdain”, published in *Intellectual History Review*, 22, 1, 69-90; “Presupposition, Aggregation and Leibniz’s Argument for a Plurality of Substances”, in *The Leibniz Review*, 21, 91-116, 2011; “Leibniz’s Actual Infinite in Relation to his Analysis of Matter”, for *Leibniz on the interrelations between mathematics and philosophy*, Springer Verlag, edited by Norma B. Goethe, Philip Beeley and David Rabouin; and “Can thought experiments be resolved by experiment? The case of ‘Aristotle’s Wheel’”, pp. 107-122 in *Thought Experiments in Philosophy, Science and the Arts*, ed. Melanie Frappier, Letitia Meynell and James Robert Brown, New York and Abingdon: Routledge, 2013; “Time Atomism and Ash’arite Origins for Cartesian Occasionalism, Revisited”, pp. 73-92 in *Asia, Europe and the Emergence of Modern Science: Knowledge Crossing Boundaries*, ed. Arun Bala, New York: Palgrave McMillan, 2012. He presented “Leibniz on the Relativity of Motion” to the Annual Philosophy of Science Conference in Dubrovnik, Croatia, in Waterloo at the CSHPS Annual Meeting, and at the 6th Annual Conference of the Leibniz Society of North America at Concordia University in Montreal; “The Premodern Theory of Motion: Galileo and Descartes” at Western University, and “Vexed Relations: the many ironies of Russell’s Critique of Leibniz’s Relationalism” to the First

Annual Conference of the Society for the Study of the History of Analytic Philosophy in Hamilton.

### QUEEN'S UNIVERSITY

**Donald Forsdyke** was a speaker at a Workshop on Genome Diversity held in Mendel's Monastery in September. His review of the historical development of ideas on introns, and the role of technological innovation, may be viewed on YouTube ([http://www.youtube.com/watch?v=ID48bGAJzug&list=PLAE1FB11EDA76EC04&index=3&feature=plpp\\_video](http://www.youtube.com/watch?v=ID48bGAJzug&list=PLAE1FB11EDA76EC04&index=3&feature=plpp_video)).

**Daryn Lehoux** has recently published *What Did the Romans Know?* (Chicago, 2012) and has a volume on Lucretius in press (*Lucretius: Poetry, Philosophy, Science*, Oxford: co-edited with A.D. Morrison and A. Sharrock). His *Astronomy, Weather, and Calendars in the Ancient World* was just released in paperback. He has papers forthcoming in *Isis*, the *Oxford Handbook of Epicureanism*, and in edited volumes on *Authority and Expertise in Ancient Culture* (J. Koenig and G. Woolf, eds.), as well as *Probabilities, Hypotheticals, and Counterfactuals in Ancient Greek Thought* (V. Wohl, ed.), and *Sciences and Narratives of Nature, East and West* (G. McOuat, B. Lightman, and S. Sarukkai, eds.) He is also co-authoring with Jay Foster a fiftieth-anniversary review of Kuhn's *Structure of Scientific Revolutions* for *Science*.

**Sergio Sismondo** has recently taken on the Editorship of the journal *Social Studies of Science*. He continues to do research on the pharmaceutical industry's interactions with researchers, physicians, and patients.

### QUEST UNIVERSITY CANADA

**Glen VanBrummelen**'s new book, *Heavenly Mathematics: The Forgotten Art of Spherical Trigonometry* (Princeton UP) will appear in December 2012. He is currently part of a research team based in Paris working on a project to publish a volume on the history of numerical tables; his contributions will relate to astronomical tables in medieval Islam. He is currently serving as president of the CSHPM and will begin a two-year term in January as governor-at-large for Canadian members of the Mathematical Association of America.

### UNIVERSITÄT BERN

**Adrian Wüthrich** is a Postdoctoral researcher at the

University of Bern, funded by the Swiss National Science Foundation, and "wissenschaftlicher Mitarbeiter" in History of Science at the "Technische Universität Berlin". Recent or forthcoming publications include "Eating Goldstone bosons in a phase transition: A critical review of Lyre's analysis of the Higgs mechanism" (*Journal for General Philosophy of Science*, in press), "Interpreting Feynman Diagrams as Visualized Models" (*Spontaneous Generations: A Journal for the History and Philosophy of Science*), and "Locality, Causality, and Realism in the Derivation of Bell's Inequality" (*Proceedings of "Current Interpretational Problems of Quantum Theory"*. Ed. by T. Sauer and A. Wüthrich, in preparation to appear in the Max Planck Research Library for the History and Development of Knowledge. Berlin: Edition Open Access.)

### UNIVERSITY OF ALBERTA

**Ingo Brigandt** has been awarded early tenure at the University of Alberta and been promoted to Associate Professor. He has received the Martha Cook Piper Research Prize, the University of Alberta's award for junior researchers (10 years past doctorate), and has most recently become an Associate Editor of the *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*. The special issue "Perspectives on Evolutionary Novelty and Evo-Devo" that he previously guest-edited for the same journal has appeared (Volume 318, Issue 6). He is now editing a special issue of *Studies in History and Philosophy of Biological and Biomedical Sciences* on the topic "Integration in Contemporary Biology: Philosophical Perspectives on the Dynamics of Interdisciplinarity," whose contributions stem from a workshop he organized in September 2011 (held at the University of Minnesota). In contrast to philosophical accounts of mechanistic explanation that have been developed in opposition to the idea that explanation is derivation from laws and quantitative principles, Ingo's current research is on biological approaches that actually integrate molecular-mechanistic explanation and mathematical modeling, in particular systems biology.

**Robert Smith** was one of the University of Alberta's "Killam Annual Professors" for 2011/12. He continues to research the history of large-scale science, with most emphasis on the \$10 Billion "James Webb Space Telescope." In September, he was one of the organizers for a conference at the Lowell Observatory in Arizona

on the emergence of the idea of the expanding universe and a book from that conference is in the works. An updated and expanded paperback edition of Robert's 2008 book (co-authored with David DeVorkin) *Hubble: Imaging Space and Time* has been published by National Geographic.

#### UNIVERSITY OF GUELPH

**Tara Abraham** recently guest-edited the September 2012 issue of *Interdisciplinary Science Reviews*, entitled "Warren S. McCulloch and his Circle". The issue focuses on neuropsychiatrist and cybernetician Warren McCulloch (1898-1969) and the ways in which his life and circle of collaborators, influences, and students can illuminate the wider contexts of the past and present. With contributions from Allan F. Collins, Phil Husbands and Owen Holland, Ken Aizawa, Orit Halpern, Tara Abraham, and a preface by Peter Galison, the issue highlights McCulloch's complex legacy and transdisciplinary spirit. Tara is also working on a monograph on McCulloch's life and work in brain sciences and cybernetics, which is forthcoming with MIT Press.

**David Brooke Struck** is presently working desperately to catch up on his dissertation research, which focuses on the relationship between structural realism and the philosophy of Ernst Cassirer. His interest in bringing into contact ideas found on either side of the analytic-continental divide fits nicely with the pluralistic philosophical environment at the University of Guelph.

**Sofie Lachapelle** is presently working on a book manuscript tentatively titled "Amusing Science and Wondrous Tricks: Science, Magic and Entertainment in Modern France" and an article on the Aquarium Tropical de la Porte Dorée in Paris (with Heena Mistry). She presented papers at the French Colonial Historical Society in June and at the Annual Meeting of the Society for Literature, Science and the Arts in September.

#### UNIVERSITÉ DE MONTRÉAL

**Frédéric Bouchard** is pursuing his philosophy of biology research on the theoretical impact of non-genetic means of inheritance on our understanding of evolutionary processes. This research resulted in collaborations with biologists in a recent article in *PNAS*. Since June he is

also director of an interdisciplinary graduate program in Environment and Sustainable development at the Université de Montréal. // **Frédéric Bouchard** continue ses recherches en philosophie de la biologie, en particulier sur la nature des processus héréditaires non génétiques et comment ils devraient changer notre compréhension de la théorie de l'évolution. Il a d'ailleurs collaboré avec des biologistes sur cette question dans un article récent dans *PNAS*. Depuis juin, il dirige aussi un programme interdisciplinaire de deuxième cycle en Environnement et Développement durable à l'Université de Montréal.  
INFO : [www.fredericbouchard.org](http://www.fredericbouchard.org)

**Yvon Gauthier** has a forthcoming paper "Kronecker in Contemporary Mathematics. General Arithmetic as a Foundational Programme" to be published in volume 48 (2013) of *Reports on Mathematical Logic*. He has also completed two papers "What is the Internal Logic of Constructive Mathematics? On the Gelfond-Schneider Theorem in Transcendental Number Theory" and "A General No-Cloning Theorem in Multiverse Cosmology" that he is now preparing for publication.

**Parzhad Torfehnezhad** is presently a Ph. D. student in philosophy at Université de Montréal. His general area of interest is analytic and scientific philosophy. More specifically, he is interested in the intersection of the foundations of logic and mathematics, and philosophy of language. Carnap's philosophy is of special importance to him because he sees much potential in it that can be easily linked to the current researches on category theory, linear logic, theories of universal grammars and so on. For his Ph. D. thesis he is working on the categorical analysis of abstraction according to an interpretation of Carnap's linguistic framework. Recently he presented two papers under the topic "understanding Carnap's Language" in CSHPS's 2012 annual conference and 19th Annual Graduate Conference in Philosophy at Waterloo.

#### UNIVERSITY OF NEW BRUNSWICK

In recent years, **Debra Lindsay**'s research has been divided between the history of the natural sciences, specifically the role of women in science, and paleobotany. See, for example: "Defining the Mesozoic/Defining Disciplines: Late Nineteenth-Century Debates over the Jurassic-Cretaceous Boundary." *Earth Sciences History* 30, No.2 (2011): 216-239. She is currently writing a biography

of Maria Martin (1796–1863), a botanical artist from Charleston, South Carolina, who contributed to the original paintings used in producing *Birds of America*.

#### UNIVERSITY OF NOTRE DAME

**Anjan Chakravarty** left much loved environs at the IHPST and University of Toronto for the sunny pastures of the University of Notre Dame, where he is now Professor of Philosophy and a faculty member of the Graduate Program in HPS. Long durations filled with moving logistics were leavened by the emergence of an article on “Ontological Priority: The Conceptual Basis of Non-Eliminative, Ontic Structural Realism”, an interview with UVic’s undergraduate philosophy journal, *Sophia* (both on [www.nd.edu/~achakra1](http://www.nd.edu/~achakra1)), and conferences in Athens (EPSA), Nancy (CLMPS), Chicago (APA), and Notre Dame (“Ancient Skepticism, Voluntarism, and Science”). Some highlights of talks included SUNY Buffalo, Amsterdam, Barcelona (including a post-talk visit to the Nou Camp for El Clásico!), the Spring Philosophy Colloquium at UBC, Beijing, and Lausanne. Work continues on a new book entitled *Meta-Scientific Ontology*, on the ideas of naturalized metaphysics and epistemic voluntarism. In January 2012, Anjan became editor-in-chief of *Studies in History and Philosophy of Science*, and he welcomes your submissions!

#### UNIVERSITY OF SASKATCHEWAN

**Katherine Zwicker** recently defended her dissertation entitled “Radiation, Researchers, and the United States Atomic Energy Commission: Biomedical Research from the Early Twentieth Century to the Early Cold War” (University of Alberta, spring 2012) and has taken up a SSHRC Situating Science Postdoctoral Fellowship at the University of Saskatchewan. While working on publications from her doctoral research, she is beginning a new project focused on the professionalization of nuclear medicine in the second half of the 20th century. She is particularly interested in the evolution of instruments and technologies used in research and clinical practice. With a growing interest in technology, she has taken the opportunity to tour the Canadian Light Source synchrotron which is housed on the University of Saskatchewan campus. With future visits to that facility already planned, she is eager to learn about the biomedical research being pursued by CLS scientists.

#### UNIVERSITÉ DE STRASBOURG

**Tricia Close-Koenig** is working at the Université de Strasbourg as the coordinator of a European Interreg project on the history of industrial and education film in the Upper Rhine region with Christian Bonah, and as a part-time lecturer. And in January 2013, she will begin a post-doctoral position on the ERC Ways of Writing project with Volker Hess and Andrew Mendelsohn at the Charité in Berlin. She is presenting a paper at HSS on the visualization of cancer in atlases and in film in the 1930s in France and in December 2012, she is organizing (with Nils Kessel) an ESF funded workshop on drug standards and standardization. The workshop, Standard Exchanges, will be centred on an exchange between historians, economists, political scientists and sociologists on diverging interpretations of standards, standardization and parallel entities, such as routines, norms and codes. She also has a number of forthcoming articles from her thesis work presented at CSHPS, SSHM, Cultures of Anatomical Collections, as well as from the research conducted as a ANR-DFG post-doc on Insulin and pharmaceutical marketing with Christian Bonah, Jean-Paul Gaudillière and Volker Hess. And she is working on a book, tentatively titled *The value of knowing. Cancer diagnosis and emergence of commercial laboratories in interwar France*.

#### UNIVERSITY OF TORONTO

In 2012, **Joseph Berkovitz** has worked on the philosophy of probability, philosophy of quantum mechanics and mathematical explanations of physical facts. His paper on de Finetti’s subjective theory of probability and its application to the interpretation of quantum mechanics has been published in Y. Ben Menachem and M. Hemmo (eds.), *Probability in Physics*, Springer, The Frontiers Collection; his paper on supernatural miracles and laws of nature has been published in *Toronto Journal of Theology*. In addition, he completed a paper on the propensity interpretation of probability. Joseph presented a paper on the mathematical constitution of physical facts in the Mathematical and Geometrical Explanations in Physics workshop, Autonomous University of Barcelona, 39th Dubrovnik Philosophy of Science conference, IHPST, Paris, and IHPST, University of Toronto; a paper on Hume on Induction at the Philosophy Colloquium, University of Barcelona; and a paper on time in time-symmetric interpretations of quantum mechanics at

The Time of Nature and the Nature of Time workshop, University of Bordeaux I and University of Bordeaux III.

In 2012, **Agnes Bolinska**'s paper "Epistemic representation, informativeness and the aim of faithful representation" appeared in *Synthese*. She also presented a related paper at the Models and Simulations 5 meeting in Helsinki, where she argued that we ought to approach the issue of how scientific models represent physical systems by first considering which conditions must be met in order for successful representation to take place. She continues to develop the ideas introduced in both papers as she works towards completing her PhD thesis.

**Jim Brown** continues to work on various topics in the philosophy of science and published three books this past year: *Platonism, Naturalism, and Mathematical Knowledge* (Routledge, 2012), a book on the philosophy of mathematics, largely aimed at specialists; *Philosophy of Science: The Key Thinkers* (editor, Continuum, 2012), an introductory collection of expository chapters on the major figures in the philosophy of science over the past two hundred years; and *Thought Experiments in Science, Philosophy, and the Arts* (co-editor with L. Meynell and M. Frappier, Routledge, 2012), a collection of new articles on thought experiments. His other recent publications include "Traditional Knowledge and the Smallpox Eradication Campaign," in Arun Bala (ed.) *Asia, Europe and the Emergence of Modern Science: Knowledge Crossing Boundaries*, Palgrave, 2012. He presented papers in Toronto, Waterloo, Montreal, Kingston, Vienna, China, Germany, and Mexico.

**Lucia Dacome** published "Balancing Acts: Picturing Perspiration in the Long Eighteenth Century" in the 2012 June issue of *Studies in History and Philosophy of Biological and Biomedical Sciences*. She presented papers at the Annual Meetings of CSHPS (Waterloo) and of the American Association for the History of Medicine (Baltimore) as well as at the conferences 'Cultures of Anatomical Collections' (Leiden University), 'Les femmes de sciences. Réalités et représentations, de l'Antiquité au XIXe siècle' (Université Européenne de Bretagne, Brest), and 'Storia, medicina e diritto nei trattati di Prospero Lambertini' (University of Modena and Fscire). In June 2012 she was promoted to associate

professor with tenure in the IHPST at the University of Toronto.

**Bruce J. Petrie** is writing his dissertation "The Roots of Transcendental Numbers: A Historical Perspective on the Development of Transcendental Number Theory 1737 - 1844" at the Institute for the History and Philosophy of Science and Technology at the University of Toronto under the supervision of Craig Fraser. His website is <http://individual.utoronto.ca/brucejpetrie/>. He has recently published an article in *Historia Mathematica* 39(3), "Leonhard Euler's Use and Understanding of Mathematical Transcendence." This article reveals Euler's theory of transcendence which differs substantially from the theory historians and mathematicians had conflated it with.

**Josipa Petrunic**'s scholarly interests include the history, philosophy and sociology of mathematics and mathematical sciences in the 18th, 19th and 20th centuries. For the past two years she has been working as a SSHRC Postdoctoral fellow (2010-2012) at the Institute for the History and Philosophy of Science and Technology. Currently, she is completing her first book-length manuscript, entitled *Victorian Mathematics in the Making: A Social History of Quaternions*. She is also working to complete a series of articles exploring colonial mathematics through the production and dissemination of mathematical textbooks written by the Cambridge mathematics tutor, Isaac Todhunter, in the 19th century.

**Isaac Record** is a Postdoctoral Research Fellow in participatory material culture at the University of Toronto's Faculty of Information. Isaac is investigating the implications of the increasing availability of desktop prototyping technologies like 3D printers. Isaac has a PhD from the University of Toronto's Institute for the History and Philosophy of Science and Technology. His dissertation is entitled: "Knowing Instruments: Design, Reliability, and Scientific Knowledge."

**Mark Solovey** finished a one-year research fellowship (July 2011-June 2012) at Harvard's Charles Warren Center for Studies in American History, then returned to the University of Toronto's Institute for the History and Philosophy of Science and Technology. His recent

publications include “Senator Fred Harris’s National Social Science Foundation Proposal: Reconsidering Federal Science Policy, Natural Science-Social Science Relations, and American Liberalism during the 1960s”, *Isis* 103, 54-82; with Hamilton Cravens, eds., *Cold War Social Science: Knowledge Production, Liberal Democracy, and Human Nature* (New York: Palgrave Macmillan); and “Cold War Social Science: Specter, Reality, or Useful Concept?” 1-22 in *ibid.*, Mark also has a forthcoming book, *Shaky Foundations: The Politics-Patronage-Social Science Nexus in Cold War America* (New Brunswick, New Jersey: Rutgers University Press), which will be published in Jan. 2013.

#### UNIVERSITY OF WATERLOO

**Heather Douglas** joined the faculty of the University of Waterloo as Waterloo Chair of Science and Society in January 2012. She is currently working on two related projects: 1) the nature of scientific integrity in the democratic policy context and 2) the challenge of weighing evidence for policy decisions. I have given talks at AAAS in Vancouver, the CPA in Waterloo, the University of Bielefeld, the University of Dayton, and the University of Cincinnati related to these projects, and will be giving a paper at PSA in San Diego on “The Value of Cognitive Values” which attempts to organize the conceptual terrain of cognitive values such that it illuminates the issues involved in the second project. Her paper “Weighing Complex Evidence in a Democratic Society” which appeared in the *Kennedy Institute of Ethics Journal* this past summer also addresses the second project. She looks forward to working with new Canadian colleagues as these projects moves forward.

#### UNIVERSITY OF WESTERN ONTARIO

**Michael Cuffaro** is a PhD Candidate in Philosophy at the University of Western Ontario in his final year of studies. He specialises in the philosophy of quantum mechanics, and also maintains an interest in Kant’s theoretical philosophy and philosophy of natural science. In 2012 his articles: “Many Worlds, the Cluster-state Quantum Computer, and the Problem of the Preferred Basis,” and “Kant and Frege on Existence and the Ontological Argument,” were published in *Studies in History and Philosophy of Modern Physics* and in *History of Philosophy Quarterly*, respectively.

**Wayne Myrvold**’s current work focuses on two interrelated issues: interpretations of quantum mechanics, and understanding the use of probability in science. He is the recipient of a grant from the Foundational Questions Institute (FQXi), entitled, “Quantum State Evolution, Ontology, and Relativity.” He is on the editorial board of *Philosophy of Science*, and is subject editor for *Quantum Mechanics* for the *Stanford Encyclopedia of Philosophy*. Recent publications include “Epistemic Values and the Value of Learning,” *Synthese* 187 (July 2012), “Deterministic Laws and Epistemic Chances,” in Yemima Ben-Menahem and Meir Hemmo, eds., *Probability in Physics*. (Springer, 2012), “Statistical Mechanics and Thermodynamics: A Maxwellian View,” *Studies in History and Philosophy of Modern Physics* 42 (November 2011), and “Nonseparability, Classical and Quantum,” *The British Journal for the Philosophy of Science* 62 (June 2011). He also co-edited, with Chris Smeenk, a special issue on the philosophy of quantum field theory of *Studies in History and Philosophy of Modern Physics* (May 2011). His article, “Statistical Mechanics and Thermodynamics: A Maxwellian View” was chosen by the Philosopher’s Annual as one of the ten best articles published in philosophy in 2011. Future plans include a book, currently at the proposal stage, on probability in physics, to be entitled *Chance and Credence*.

#### YORK UNIVERSITY

**Micah Anshan** is currently pursuing a Master’s in Science and Technology Studies at York University. His research is on the production and interpretation of evidence in Canadian drug policy debates, with a focus on the use of social science in the controversy over harm-reduction. He has recently been awarded a graduate fellowship at Osgoode Hall’s Nathanson Centre for Transnational Human Rights, Crime and Security to pursue this research.

**Jordan Bimm** is a third-year PhD student in STS, and he works on the history and politics of American astronaut selection during the early cold war. This past year, he gave two talks: “Putting Mars In A Jar: Space Medicine and the Complicated Origins of Astrobiology in America”, delivered at the annual meeting of the Society for the History of Technology (SHOT) in Copenhagen; and “How Do We Remember Animals Sent into Outer-Space?”, delivered at the annual meeting of the Society

for the Social Studies of Science (4S), which was also in Copenhagen. He is happy to report that next year, the latter will appear in *Quest: The History of Spaceflight*.

**Ruthanna Dyer** is currently preparing a paper for HSS on Barnum and Bodywords. It compares the practices of P.T. Barnum and Gunter von Hagens in the production of human freaks for commercial purposes and the failure of these specimens to act as educational vehicles for knowledge transfer. Along with Kathleen Anderson, she received a teaching research and development award to develop an undergrad, hands-on material culture course for the STS program at York.

**Edward Fenner** (MA candidate 2013) continues part-time research on Robert J. Van de Graaff and has found what may be the only remaining voice recording of the physicist.

In June, **Jagdish Hattiangadi**'s paper, "Evolution and Illusion," (p. 61-76) was published in *Sex, Reproduction and Darwinism*, ed. Filomena de Sousa and Gonzalo Munevar, Chatto and Windus. 2012. On October 10, 2012, he spoke to the Institute for the History and Philosophy of Science and Technology at the University of Toronto, on "Francis Bacon's Elenchus." Jagdish is currently writing up some thoughts on new scientific methods proposed in the 17th century, and how they were used by some distinguished scientists. The tentative title for the book is *The Theory and Craft of Breaking Through in Science*. More particularly, he is now studying the curious status of experimentation as reported by Galileo in his published writings.

**Bernard Lightman** has had a series of articles come out this year, including: "Spectacle in Leicester Square: James Wyld's Great Globe, 1851-1861." *Popular Exhibitions, Science and Showmanship, 1840-1910*, Ed. Joe Kember, John Plunkett and Jill A. Sullivan. London: Pickering and Chatto, 2012, 19-39, 240-243; "Evolution for Young Victorian Readers." Thematic Issue: Popularizing and Policing 'Darwinism' 1859-1900. Guest Editor: John Lynch. *Science and Education* 21, No. 7 (July 2012), 1015-1034; "Does the History of Science and Religion change depending on the Narrator? Some Atheist and Agnostic Perspectives." *Science and Christian Belief* 24 (October 2012), 149-168. The last four volumes of the

eight volume series on *Victorian Science and Literature* (Pickering and Chatto), co-edited with Gowan Dawson, were published last spring. This fall, Bernie gave papers on such topics as the Metaphysical Society, Herbert Spencer, and John Tyndall at the University of Alberta, Yale University, and in various venues in Ireland.

**Aryn Martin** co-organized, with Natasha Myers and Ana Viseu, a workshop on "The Politics of Care in Technoscience" at York. The SSHRC/Cluster-sponsored event will culminate in a special issue to be published in *Social Studies of Science*. She also delivered papers in Cambridge, UK and Copenhagen, DK. She will spend the winter term, 2013, as a visiting scholar at the Institute for Medical Science & Technology in Copenhagen. This year, Aryn retired as book reviews editor for *Social Studies of Science*, but continues to co-edit this newsletter.

**Michael Pettit**'s first book, *The Science of Deception: Psychology and Commerce in America*, is forthcoming in January 2013 with University of Chicago Press.

**Byron Wall** is continuing his research into 19th century ideas about chance, uncertainty, and randomness, looking for those which have become imbedded in the foundations of probability and statistics. To this end he makes an annual pilgrimage to consult John Venn's book collection housed in the Cambridge University Library.

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## CLUSTER UPDATE

Situating Science Strategic Knowledge Cluster of scholars in the Humanist and Social Studies of Science ([www.situsci.ca](http://www.situsci.ca))

Now in its final year and a half, the Cluster plans to move forward with a few grant applications to sustain partnerships and activities. Partners and stakeholders met in October to begin planning a national and international partnership to explore sciences, technologies and their publics. The Cluster and its partners will arrange to meet again to concretize plans for a national centre. A Canada-Southeast Asia partnership is also in the works to explore cosmopolitanism and circulation of knowledge.

The Cluster and its local partners kept Dr. Evelyn Fox Keller busy during her 3.5 week visit in Halifax as the Cluster Visiting Scholar, where she researched genotypic plasticity, biological information and mathematical biology and participated in several activities and added to discussions of future plans for STS activities at Dalhousie University. Some videos and podcasts of her public events will be available online shortly. She then continued to Montreal and Toronto. Dr. Anne Harrington, professor of History of Science at Harvard University came to the Centre for a history of medicine luncheon conversation and then a post-performance discussion after the 2b Theatre production of “The Story of Mr. Wright.” Other upcoming and recently supported events and visiting speakers to the Nodes include the Reading Artifacts Summer Institute at CSTM; Toronto’s Technoscience Salon on Ecologies; Women in Science and Engineering Symposium at McGill University; Dr. Suzanne Zeller, Wilfrid Laurier University; Dr. Arun Bala, National University of Singapore; Dr. Michael Lynch, Cornell University; and various UBC STS series speakers.

Cluster workshops planned for the summer of 2013 include “Where is the Laboratory Now?: ‘Representation’, ‘Intervention and ‘Realism’ in 19th and 20th Century Biomedical Sciences” at the University of Calgary and “Translating Early Modern Science” at the University of British Columbia. In the coming year, the Atlantic Node plans to hold a local symposium at Dalhousie University to engage in issues of STS at the university level. A conference on historical materialities is planned at York University this summer. Next October, the Cluster plans to hold a conference on “Science and Society” in partnership with University of Ottawa’s Institute for Science, Society and Policy and the Professional Institute for the Public Service of Canada.

#### Departmental Program Developments:

Part of the success of the Cluster is seen in the development of STS and HPS programs at various Nodes. In addition to new programs at UBC and York, the University of Saskatchewan Node is developing a Minor Undergraduate Program in the History of Science and Medicine.

#### Students and Postdoctoral Fellow Updates:

Atlantic Node PhD student **Paul Armstrong**,

Department of Sociology and Social Anthropology, Dalhousie University, helped organize a workshop on “STS Futures at Dalhousie”, with participants from across 2 Colleges and 6 Faculties. He will continue to help in coming months with a formal survey and then a larger symposium. He adds that building a cross-disciplinary network across multiple domains of authority presents some complex challenges and requires sustained organizing capacity.

**Katherine Zwicker**, Postdoctoral Fellow at the University of Saskatchewan Node will help organize a winter workshop on nuclear innovations in biology and medicine. While not limited to Saskatchewan or Canadian history, the workshop will highlight the University of Saskatchewan’s strengths in nuclear medicine, research, and technologies. She has submitted a paper on the clinical use of radium in the early 20th century which will be part of an edited collection on the use of humans in experimentation. She is presenting a paper at HSS that examines the continuities in pre- to postwar biomedical radiation research and discipline-building in the United States. She’ll also be presenting on a panel entitled “Conflict or Compromise: Establishing Authority over Radiation” that includes David Cantor (NIH), Vivien Hamilton (Harvey Mudd College), and Aimee Slaughter (Univ. of Minnesota). With her next project focused on the professionalization of nuclear medicine and the role of technology within this field, she will begin her research at the University of Ohio Medical Heritage Center and the Society of Nuclear Medicine Archives.

Postdoctoral Fellow in the Atlantic Node, **Dr. Cindy Stelmackowich**, is developing ideas and projects on ways that scientific artifacts, instruments, and collections can be mobilized in teaching, research and public outreach programmes. Her article on the aesthetics and politics of medical illustrations appeared in the latest issue of *Spontaneous Generations: A Journal for the History and Philosophy of Science*. She is currently writing a chapter on the medical cabinets and anatomical displays of pioneering Canadian woman doctor Maude Abbott for a forthcoming book by Ashgate on the cultures of anatomical collections. Her recent blog post on the Symposium on Women in Science and Engineering at McGill can be found at: [www.situsci/blog](http://www.situsci/blog).

## ANNOUNCEMENTS

### CALLS FOR PAPERS

#### History of Economics Society

As President-Elect of the History of Economics Society, Margaret Schabas will be hosting the annual meeting at the University of British Columbia-Vancouver, June 20-22nd, 2013. The keynote speaker will be Daniel Hausman (Madison, Wisconsin). The submission date for abstracts or sessions is March 1st, 2013. For more details go to the History of Economics Society website.

#### Berkshire Conference on Women's History

Histories on the Edge/Histoires sur la brèche

Toronto: May 22-25, 2014

Proposals due: January 15, 2013

The sixteenth Berkshire Conference on Women's History will be held in Toronto on May 22-25, 2014. The University of Toronto will host the first Canadian "Big Berks" in collaboration with co-sponsoring units and universities in Toronto and across Canada.

Within the conference's subtheme of: Bodies, Health, Medical Technologies, and Science, we are organizing one, or possibly two, panels on Women and Science. This can be broadly interpreted as the gendered history of the scientific professions; as well as women's encounters with technologies, including pharmaceuticals, diagnostic tools and therapeutics, and old and new reproductive technologies and procedures.

We are endeavouring to build a panel across national boundaries, with papers ranging from the pre-modern (ancient, medieval, early modern) periods to recent history. As a forum dedicated to encouraging innovative, cross-disciplinary scholarship, and transnational conversation, we invite submissions from graduate students, international scholars, independent scholars, filmmakers, educators, curators, artists, activists, and welcome a variety of perspectives.

This panel is being sponsored by the *Canadian Bulletin of Medical History*, an international, cross-disciplinary journal which publishes in English and French.

Successful submissions will be considered for a special issue of the Bulletin.

**Individual Papers:** The submission file should include your name, paper title, and a 250-word abstract. Please also submit a short c.v.

Submissions and queries should be sent to:

Cheryl Krasnick Warsh, PhD

Professor of History

Vancouver Island University

E-mail: [cheryl.warsh@viu.ca](mailto:cheryl.warsh@viu.ca)

For more information about the Berkshire Conference, see: <http://berksconference.org>

#### Histories of Medicine in the Indian Ocean World

Indian Ocean World Centre (IOWC)

McGill University, Montreal, Canada

26-27 April 2013

Organiser: Anna Winterbottom (IOWC, McGill University)

The IOWC is looking for papers that address any aspect of medicine in the region of the Indian Ocean world, including Northeast, East and South Africa; the Middle East, the Indian Ocean islands; South, Southeast and East Asia, in any historical period. The aim of the conference is to interrogate the concept of the Indian Ocean as a "world" using the exchange of medical goods, texts, instruments and ideas as a lens through which to examine how far the region may be regarded as a cultural entity. As well as being an article of trade, medicine is associated with religious, spiritual, and cultural ideas about the body and its relation to the environment. These ideas both govern the acceptance, modification or rejection of medicines and medical ideas, and are altered by them. Medical exchanges can thus be used to provide a cultural perspective on historical events and trends, such as the spread of Islam and other faiths, the movement of migrant and diaspora communities, free and enslaved, and the rise and fall of empires in the region. The conference being multidisciplinary, papers from geography, sociology, anthropology and area studies as well as the history of medicine and science are welcome.

## Submission and Registration

Papers should be in English or French. Each paper will be grouped according to theme. Individual authors will have a certain amount of time to present their papers, to be followed by a summary presentation by a discussant during sessions devoted to each theme, followed by general discussion.

A registration fee of \$110 CAD (\$65 CAD for students) will be charged. The fee for late registration is \$130 CAD (\$75 CAD for students).

Abstracts are due 14 January 2013.

Deadline for payment of registration fees is 1 March 2013.

Abstracts should be submitted to the following address: [iowc@mcgill.ca](mailto:iowc@mcgill.ca). Enquiries may be directed to [anna.winterbottom@mail.mcgill.ca](mailto:anna.winterbottom@mail.mcgill.ca).

link: <http://indianoceanworldcentre.com/medicine2013>

## CONFERENCES

The registration fee for the 24th International Congress of History of Science, Technology and Medicine, to be held in Manchester, UK on 22-28 July 2013, has now been confirmed as follows: until Sunday 14 April 2013: £205; after 14 April: £280. The registration fee includes access to all symposia and other speaker sessions throughout the Congress; the Congress documentation pack; tea and coffee during session breaks; and admission to the opening evening receptions. It does not include lunches, dinners or accommodation. Pricing is fixed in British pounds, payable on registration. Registration will open in February 2013. Please see the Congress website for further information: <http://ichstm2013.com/registration/> If you have any queries, please contact us at [enquiries@ichstm2013.com](mailto:enquiries@ichstm2013.com).

## SUPPORT FOR CONFERENCES

The Executive Committee of the Division of Logic, Methodology and Philosophy of Science of the International Union of History and Philosophy of Science invites applications from members to support conferences that will take place during 2013. The

maximum amount that IUHPS(DLMPS) can supply to support a conference is \$1500(US). A brief letter of application should be sent to the Secretary/Treasurer, Peter Schroeder-Heister <[secretary-general@dlmpst.org](mailto:secretary-general@dlmpst.org)> or to the President, Elliott Sober <[ersober@wisc.edu](mailto:ersober@wisc.edu)>, describing the subject of the conference, the names of speakers, an estimate of the number of people attending, and an indication of how much money is requested and what that money will be used for. The Executive Committee prefers to support conferences that have a multi-national group of participants, include the participation of younger scholars, include the participation of individuals from outside of Europe and North America, and use video-conferencing technology in addition to having participants travel to the conference site. These preferences are not requirements; they are desiderata. The deadline for receipt of requests is January 15, 2013.

## WEBSITES AND PUBLICATIONS

Issue 6 of **Spontaneous Generations**, “Visual Representation and Science,” was coedited by Ari Gross (IHPST, Toronto) and Eleanor Louson (STS, York University). Spontaneous Generations is an open-access, peer-reviewed journal for the history and philosophy of science founded by graduate students at the IHPST. The CFP for our next issue, on the topic of “Economic Aspects of Science,” is coming soon. Find current and past issues at [spontaneousgenerations.library.utoronto.ca](http://spontaneousgenerations.library.utoronto.ca)

The **British Society for the History of Science** launched a travel guide to historical scientific sites at <http://www.bshs.org.uk/travel-guide/>

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