

Canadian Society for History and Philosophy of Science 2011 / Société canadienne d'histoire et de philosophie des sciences 2011

Tilley Hall (TH), University of New Brunswick, Fredericton

Saturday, May 28 / Samedi, 28 Mai

8:00 pm – 10:00 pm Tilley Hall 123 Executive Meeting / Réunion du Comité Exécutif

Day I: Sunday, May 29 / Jour I: Dimanche, 29 Mai

9:30 am – 11:30 am Session/Séance I.1		
<p align="center">Session/Séance I.1A TH 124 Thought Experiments</p> <p>Chair/Président: Mike Stuart</p> <p>Yiftach Fehige (U. Toronto) <i>Back To Kant? Marco Buzzoni on Scientific Thought Experiments</i></p> <p>James Robert Brown (U. Toronto) <i>What Do We See In a Thought Experiment?</i></p> <p>Mike Stuart (U. Toronto) <i>What Can Philosophy Learn from the Clock-in-the-Box Thought Experiment?</i></p>	<p align="center">Session/Séance I.1B TH 205 Science and Religion (In Memory of Margaret Osler)</p> <p>Chair/Président: Paul Greenham</p> <p>Stephen Snobelen (U. of King's College) <i>Genesis and the Systema naturae: The Theological Correlates of the Linnean Neologism Homo sapiens</i></p> <p>Adam Richter (Dalhousie U.) <i>"Unrefined and Undisciplined Masses": Copernicanism, Esotericism, and Divine Accommodation</i></p> <p>Paul Greenham (U. Toronto) <i>The Lutheran Body and Textual Rhetoric: Philip Melancthon's Understanding of the Body as Rhetorical Text</i></p>	<p align="center">Session/Séance I.1C TH 309 Laws and Contingency in Biology</p> <p>Chair/Président: Valérie Racine</p> <p>Karine Fradet (Université de Montréal) <i>Laws and Contingencies: Structural Similarities in Biological and Anthropological Explanations</i></p> <p>Alex Djedovic (U. Toronto) <i>In Defense of Laws in Biology: Realist Laws and the Evolutionary Contingency Thesis</i></p> <p>Valérie Racine (U. Western Ontario) <i>Evolutionary Explanations of Complex Adaptations: How Do They Get Their Explanatory Force?</i></p>
11:30 am – 1:00 pm Lunch / Dîner		
1:00 pm – 3:00 pm Session/Séance I.2		
<p align="center">Session/Séance I.2A TH 124 Scientific Explanation</p> <p>Chair/Président: Robert DiSalle</p> <p>Cory Lewis (U. Toronto) <i>Downward Explanation in Rayleigh-Benard Convection</i></p> <p>Brooke Struck (U. Guelph) <i>Scientific Explanation and Understanding</i></p> <p>Robert DiSalle (U. Western Ontario) <i>Explanation, Explication, and Interpretation of Space-time</i></p>	<p align="center">Session/Séance I.2B TH 205 Evolution: Aristotle to Darwin</p> <p>Chair/Président: Melissa Charenko</p> <p>Cameron Brown, (Concordia U.) <i>Aristotle and Evolution</i></p> <p>Sarah Hogarth (U. Western Ontario) <i>Charles Darwin's Reading of Sir John S. Sebright</i></p> <p>Melissa Charenko (U. Toronto) <i>Responses to Darwin's Use of a Malthusian Metaphor in Canada</i></p>	<p align="center">Session/Séance I.2C TH 309 Philosophy of Science</p> <p>Chair/Président: Michael Cuffaro</p> <p>Stefan Lukits (U. British Columbia) <i>Information Theory and Bayesian Epistemology</i></p> <p>Dustin Olson (McMaster U.) <i>On the Passage and Perception of Time with Bertrand Russell</i></p> <p>Michael Cuffaro (U. Western Ontario) <i>Many Worlds, the Cluster-state Quantum Computer, and the Problem of the Preferred Basis</i></p>

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	3-3:30: Coffee and Snacks	
3:30 pm – 6:00 pm Session/Séance I.3	3:30 pm – 5:30 pm Session/Séance I.3	3:30 pm – 6:00 pm Session/Séance I.3
<p>Session/Séance I.3A TH 124</p> <p>Evolution: The 20th Century</p> <p>Chair/Président: Frédéric Bouchard</p> <p>Lisa Gannett (St. Mary's U.) <i>The 'New Systematics', Genetics, and Race</i></p> <p>Ingo Brigandt (U. Alberta) <i>'Developmental Constraint' in the 1980s: Positive Explanatory Agenda or Mere Tool of Criticism?</i></p> <p>David Crawford (Duke U.) <i>Biological Evolution and Statistical Mechanics: Replacing Fisher's Analogy</i></p> <p>Frédéric Bouchard (U. de Montréal) <i>There Are No Organisms, just Complex Multi-species Individuals. So What Are the Bearers of Adaptation?</i></p>	<p>Session/Séance I.3B TH 205</p> <p>Revisiting Carnap</p> <p>Chair/Président: Emerson Doyle</p> <p>Robert Hudson (U. Saskatchewan) <i>Carnap and 'Ecosystem'</i></p> <p>Amy Wuest (U. Western Ontario) <i>Formal Truth as a Means of Clarification in the Realism/Anti-Realism Debate</i></p> <p>Emerson Doyle (U. Western Ontario) <i>Some Remarks on the Notion of 'Empirical Fact' in Carnap's The Logical Syntax of Language</i></p>	<p>Session/Séance I.3C TH 309</p> <p>Science and Politics</p> <p>Chair/Président: Jonathan Simmons</p> <p>Mark Solovey (U. Toronto) Mike Thicke, (U. of Toronto)</p> <p><i>Social Science Indicators in Action: U.S. Senator Walter Mondale's Initiative to Create a Council of Social Advisers</i></p> <p>Micah Anshan (U. of King's College) <i>Lessons from Insite: Disagreement between Government, Neuroscience and Social Science over Vancouver's Safe Injection Facility and Effective Drug Addiction Policy</i></p> <p>Michael Da Silva (U. Toronto) <i>Community Mental Health in Central Ontario in the 1970s</i></p> <p>Jonathan Simmons (U. New Brunswick, Fredericton) <i>Martin Seligman's Positive Psychology as a Scientific/Intellectual Movement</i></p>

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Day II: Monday, May 30 / Jour II: Lundi, 30 Mai

9:30 am – 11:30 am Session/Séance II.1		
<p align="center">Session/Séance II.1A TH 124 Rationality and Cognition</p> <p>Chair/Président: Emma Esmaili</p> <p>Sheldon Chow (U. Western Ontario) <i>What's the Problem with the Frame Problem?</i></p> <p>Emma Esmaili (U. British Columbia) <i>Rationality's Evolution: Against the (Fine Descriptive) Grain</i></p>	<p align="center">Session/Séance II.1B TH 205 The Classifying Imagination: Natural History, Classification and Ways of Scientific Life</p> <p>Chair/Président: Gordon McOuat</p> <p>Ian Stewart (U. of King's College) <i>Natural Histories, Classification and Francis Bacon</i></p> <p>Ernst Hamm (York U.) <i>Classifying and Depicting the Earth and its History</i></p> <p>Gordon McOuat (U. of King's College) <i>Are the Life Sciences Truly Revolting? Classifying, Natural Kinds and the Birth of Modern Biology</i></p>	<p align="center">Session/Séance II.1C TH 309 Models, Simulations, and Virtual Experiments</p> <p>Chair/Président: Agnes Bolinska</p> <p>Jennifer Hubbard (Ryerson U.) <i>(Dis)figuring Models: Heuristic Devices or Perceptions of Reality in Fisheries Science?</i></p> <p>Agnes Bolinska (U. Toronto) <i>The Epistemic Function of Misrepresentational Scientific Models</i></p>
11:30 am – 1:00 pm Lunch / Dîner		
1:00 pm – 2:30 pm Session/Séance II.2		
<p align="center">Session/Séance II.2A TH 124 Scientific Practice</p> <p>Chair/Président: Isaac Record</p> <p>Kristin Borgerson (Dalhousie U.) <i>Useless, Repetitive, and Secretive? Assessing the Scientific Validity of Clinical Trials</i></p> <p>Isaac Record (U. Toronto) <i>Technological Possibility</i></p>	<p align="center">Session/Séance II.2B TH 205 Scientific Authority in 19th Century England</p> <p>Chair/Président: Benjamin Mitchell</p> <p>Jaipreet Virdi (U. of Toronto) <i>A Crisis of Identity and Need for Medical Authority: Aurists and Aural Surgery in 19th Century London</i></p> <p>Benjamin Mitchell (York U.) <i>Occult Correspondences: W.T. Stead, the Community of Borderland and the Brahmins of Science</i></p>	<p align="center">Session/Séance II.2C TH 309 Emergence</p> <p>Chair/Président: Karl Degré</p> <p>Alexandru Manafu (U. Western Ontario) <i>Multiple Realization: Some Lessons from Solid-State Chemistry</i></p> <p>Karl Degré (U. de Montréal) <i>Ecosystems, Communities and Mechanisms</i></p>

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	2:30-3: Coffee and Snacks	
3:00 pm – 5:00 pm Session/Séance II.3	2:30 pm – 5:20 pm	3:00 pm – 5:00 pm Session/Séance II.3
<p align="center">Session/Séance II.3A TH 124</p> <p align="center">Values in Science</p> <p>Chair/Président: Ben Almassi</p> <p>Jeff Kochan (U. Kostanz) <i>The Scope and Limits of Scientific Integrity</i></p> <p>Jill Fellows (U. British Columbia) <i>Objectivity and Trust: Downstream of the Experts</i></p> <p>Ben Almassi (College of Lake County) <i>Peer Review in an arXiv Age</i></p>	<p align="center">Joint Session CPA – CSHPS / Session conjointe ACP – CSHPS TH 205</p> <p align="center">Science and Democracy</p> <p>Chair/Président: Lesley Cormack</p> <p>Kathleen Okruhlik (U. Western Ontario) <i>Mill and the Merchants of Doubt</i></p> <p>Daniel M. Weinstock (U. de Montréal) <i>Catastrophic Risk Management and the Role of the Democratic State</i></p> <p>John Beatty (U. British Columbia) Alfred Moore (U. British Columbia) <i>Pluralism and Legitimacy in Scientific and Political Authority</i></p>	<p align="center">Session/Séance II.3B TH 309</p> <p align="center">Practice and Metaphors in Biology and Medicine</p> <p>Chair/Président: Tricia Close-Koenig</p> <p>Andrew Reynolds (Cape Breton U.) <i>Singing the Cell Electric: Electronic Engineering Metaphors in the Science of Cell Communication</i></p> <p>Danielle Pacey (York U.) <i>Organs at War: Eugen Steinach's "Battle of the Gonads", Sex, and Fin-de-Siècle Experimental Biology</i></p> <p>Tricia Close-Koenig (U. de Strasbourg) <i>Catalogues, Logbooks and Atlases: Inventory Management in 19th and 20th Century Pathological Anatomy</i></p>
	5-7pm President's Reception Student Union Building Ballroom, 2nd floor	

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Day III: Tuesday, May 31 / Jour III: Mardi, 31 Mai

9:00 am – 11:00 am Session/Séance III.1		
<p align="center">Session/Séance III.1A TH 124</p> <p align="center">Evolution, Mind, and Morals</p> <p>Chair/Président: Taylor Murphy</p> <p>Patrick Clipsham (U. Western Ontario) <i>Does Empirical Moral Psychology Rest on a Mistake?</i></p> <p>Andrew Fenton (Dalhousie U.) Letitia Meynell (Dalhousie U.) <i>Cognitive Ethology as Ecofeminist Methodology</i></p> <p>Taylor Murphy (U. Alberta) <i>Homology Meets the Imagination</i></p>	<p align="center">Session/Séance III.1B TH 205</p> <p align="center">Diagnosis and Explanation in Medicine and Psychiatry</p> <p>Chair/Président: Michael Cournoyea</p> <p>Shelley Tremain (Wilfrid Laurier U.) <i>Impairment and the Diagnostic Style of Reasoning</i></p> <p>Riiko Bedford (U. Toronto) <i>ADHD: Natural Kind or “Normalizing Judgment”?</i></p> <p>Michael Cournoyea (U. Toronto) <i>Untangling Complexity and Pluralism in Medical Explanations</i></p>	<p align="center">Session/Séance III.1C TH 309</p> <p align="center">History of Science</p> <p>Chair/Président: Debra Lindsay</p> <p>Adriana Benzaquen (Mount Saint Vincent U.) <i>Locke’s Science of Childhood</i></p> <p>Lisa Mullins (U. of King’s College) <i>The Diary of a Scientific Institution: Technological Revelations in the Meeting Minutes of the Académie Royale des Sciences, 1699-1730</i></p> <p>Debra Lindsay (U. New Brunswick, St. John) <i>From American Woodsman to Ornithologist: How John James Audubon Became a Scientist</i></p>
11:10 am – 12:40 pm Session/Séance III.2		
<p align="center">Session/Séance III.2A TH 124</p> <p align="center">Scientific Epistemology</p> <p>Chair/Président: Curtis Forbes</p> <p>Molly Kao (U. Western Ontario) <i>From Foundation to Function: Rethinking the Role of Data in Science</i></p> <p>Curtis Forbes (U. Toronto) <i>Two Kinds of Abstraction</i></p>		<p align="center">Session/Séance III.2B TH 205</p> <p align="center">Time</p> <p>Chair/Président: Alexei Kojevnikov</p> <p>Ken Corbett (U. British Columbia) <i>Chronic Anxieties: Railways, Telegraphs, and Punctuality in Victorian England</i></p> <p>Alexei Kojevnikov (U. British Columbia) <i>Space-Time and the Russian Revolution</i></p>

12:45 pm – 2:30 pm Tilley Hall 124

Lunch & Annual General Meeting / Dîner & Assemblée Générale Annuelle

3:00 pm – 5:00 pm Tilley Hall 205

Stillman Drake Lecture / Conférence Stillman Drake

Chair/Président: Kathleen Okruhlik

Bernard V. Lightman

Humanities Department and Program in Science & Technology Studies,
York University

*Science at the Metaphysical Society:
Defining Knowledge in the 1870's*