

Annual Meeting/ Conférence Annuelle

Canadian Society for History and Philosophy of Science / Société canadienne d'histoire et de philosophie des sciences
Carleton University 26–28 May, 2009

Tuesday 26th May / Mardi, 26^e Mai

8:00 – 9:00 am Executive Meeting / Réunion Executif

B842 Loeb

Session/Séance I.1

I.1.a	9:00–10:30 am	B249 Loeb	I.1.b	9:00 –11:00 am	517 Southam*	I.1.c	9:00 – 11:00 am	A602 Loeb*
<i>North American Sociology, 1930s–1950s</i> (Joint Session, CSA/CSHPS)			<i>History, Science & Philosophy, 18th & 19th c.</i>			<i>Philosophy of Evolutionary Biology I:</i> <i>Thinking about Selection</i>		
Chair: Harold Riggins (Memorial)			Chair: Joan Steigerwald (York)			Chair: James Elwick (York)		
Neil McLaughlin (McMaster) “A Comparative Analysis of American Public Intellectuals from the 1950s and 1960s”			Eric Palmer (Allegheny) “The best of all Panglosses”			Jill Oliver (Waterloo) & Shannon Dea (Waterloo) “Darwin and Sex Revisited”		
Mark Solovey (Toronto) “Sociologist Harry Alpert and the National Science Foundation”			Omar Nasim (Max-Planck, Firenze) “Data, Phenomena and Non-Propositional Observational Records”			Peter Gildenhuys (Pittsburgh) “Explaining the Persistence of Biological Altruism without Invoking Group Selection”		
Rick Helmes-Hayes (Waterloo) “John Porter and the New Liberalism in Canadian Sociology, 1950-1979”			Joseph Petrunic (Edinburgh) “The Tait-Clifford debate over mathematical foundations (1870-1880)”			Eugene Earnshaw-Whyte (Toronto) “Selection and Drift: An elimination of process”		
Donald Fisher (UBC) “The Discipline of Sociology in English-Speaking Canadian Universities, 1950-1990”								

*** = Data Projector has been requested**

Session/ Séance I.2									
I.2.a	11:00 am – 1:00 pm	516 Southam	I.2.b	11:15 am – 1:00 pm	517 Southam*				
<i>Realism and Anti-Realism</i>		<i>Politics, Pedagogy and Popularization in Victorian Science</i>		<i>Philosophy of Evolutionary Biology II: Systems and Phylogenies</i>					
Chair: Ronald Giere		Chair: Bernie Lightman (York)		Chair: Ian Hesketh (Queen's)					
Kathleen Okruhlik (Western) “Empiricist Structuralism and the Problem of Coordination”		Gordon McOuat (King's) “Diffusion of Really Useful Knowledge: A Victorian Challenge to Interest Free Science”		Lisa Gannett (St. Mary's) “Trees, Trellises, and the Garden of Eden”					
Daniel McArthur (York) “Metaphysics Constrained by Science: Ross and Ladyman's Metaphysical Structural Realism”		Bernie Lightman (York) “Popularizing Evolution in Children's Books”		Kirsten MacDonald (Waterloo) CANCELLED “Evolutionizing Culture: Can It Be Done?”					
Corey Mulvihill (Waterloo) “Models and Modals: Scientific Models and Semantic Anti-Realism”		James Elwick (York) ‘An inconvenient test’: Victorian examinations, metrology, and accountability		Frédéric Bouchard (Montréal) “How the definitions of community and ecosystem constrain how we define the evolution of symbioses”					
Also of interest...	11:30 am – 1pm	CPA Keynote address: Margaret Schabas (UBC) “That Politics May be Reduced to a Science”: Hume and Smith on the Epistemic Status of the Moral Sciences”		Mackenzie (ME) 3380					
1:00 – 2:00 pm Lunch /Dîner									
Session/ Séance I.3									
I.3.a	2:00 – 3:30 pm	516 Southam*	I.3.b	2:00 – 4:00 pm	517 Southam*				
<i>Realism and Anti-Realism II</i>		<i>Communicating Early-Modern Science</i>		<i>Darwinians and Non-Darwinians in Context</i>					
Chair: Corey Mulvihill (Waterloo)		Chair: Ric Arthur (McMaster)		Chair: Bernie Lightman (York)					
Michael McEwan (Waterloo) “A New Taxonomy of Idealizations, Abstractions and Approximations”		Kathryn Morris (King's) “Fiction and Philosophy in Margaret Cavendish's <i>The Blazing World</i> ”		Hannah Gay (SFU & ICL) “Chemist, Entomologist, Darwinian, and Man of Affairs: Raphael Meldola and the Making of a Scientific Career”					
Curtis Forbes (Toronto) “Is Constructive Empiricism Less Risky than Scientific Realism?”		Louis Sagnieres (Montréal) “Science, Trust and the Internet”		Georgy Levit (King's) “Bernhard Rensch's (1900-1990) Panpsychistic Identism and the Modern Evolutionary Synthesis”					
Dana Tulodziecki (Missouri-KC) CANCELLED “Underdetermination, methodological practices, and the case of John Snow”		Ian Stewart (King's) “Thinking inside the box: the ‘new logic’ of Francis Bacon”		Ian Hesketh (UBC) “Mythologizing the Oxford Debate of 1860”					
				Trevor Pearce (Chicago) “The Spencer-Weismann Dispute in the 1890s”					

Session/ Séance I.4					
I.4.a	4:10 – 5:30 pm	516 Southam*	I.4.b	4:10 – 5:30	517 Southam*
	<i>Daston, Galison, and Objectivity Reconsidered</i>			<i>Systems and Networks in the History of Technology</i>	
Chair: Gordon McOuat (King's)			Chair: Ian Slater (York)		
Danielle Hallet (UBC) “On the Subject of Goethe: Contributions to a History of Objectivity”			Janis Langins (Toronto) “Vauban’s theories of fortification and Vauban’s disciples”		
Alan Richardson (UBC) “The Virtue Epistemology of Logical Empiricist Structural Objectivity”			Leslie Tomory (Toronto) “Building a stable network: gas in London 1812-1820”		

Wednesday 27 th / Mercredi, 27 ^e Mai					
Session/ Séance II.1					
II.1.a	9:00 – 11:00 am	502 Southam*	II.1.b	9:00 – 11:30 am	A720 Loeb*
		<i>Models and Ontologies</i>			<i>Methodological issues in Modern Medicine</i>
Chair: Anjan Chakravarty (Toronto)			Chair: Frank Stahnisch (Calgary)		
Ryan Samaroo (Western)			Tracy Finn (Waterloo)		
“What does ‘contained in but not derivable from’ mean?”			“Classification and Diagnosis of Mental Illness: Insight from Autism Spectrum Disorders”		
Alex Manafu (Western)			Roger Stanev (UBC)		
“Configurational forces and the emergence of the chemical”			“Jerome Cornfield’s Argument for a Causal Connection between Smoking and Lung Cancer”		
Andrew Wayne (Guelph)			Robin Nunn (Toronto)		
“Idealization and Explanation in Physics”			“Randomized Controlled Anecdote: A Story of What Works in Medicine”		
			Boaz Miller (Toronto)		
			“The Social Epistemology of Values in Science: Breastfeeding and the Science of Good Motherhood”		
Session/ Séance II.2					
II.2.a	11:10–1:00 pm	502 Southam*	II.2.b	11:40am–1:00 pm	A720 Loeb*
		<i>Models and Ontologies II</i>			<i>Methodological issues in Modern Medicine II</i>
Chair: Kathleen Okruhlik (Western)			Chair: Tara Abraham (Guelph)		
Anjan Chakravarty (Toronto)			Frank Stahnisch (Calgary)		
“Fundamental Physical Entities and their Properties”			“German-Speaking Neuroscientists in Canada after 1933”		
Alcibiades Malawi-Nelson (York)			Patricia Liu (Toronto)		
“Cybernetics’ machine ontology”			“Persuading Outsiders: The Case of R.J. Reynolds and Its Support of the Prison Research Program (1980-1988)”		
Eran Tal (Toronto)					
“Simulation, Measurement and Accuracy”					

1:00 – 2:00 pm Lunch /Dîner		
1:00 – 2:00 pm	Executive Council Meeting/ Réunion de Conseil d' Executif	D880 Loeb
Session/ Séance II.3		
II.3.a 2:00 – 5:30 pm 502 Southam* <i>Inconsistent Models: Truth, Context, and Perspective</i> <i>Joint Symposium, CSHPS/CPA</i> Ronald N. Giere (Minnesota) “Incompatible Theoretical Perspectives” Margaret Morrison (Toronto) “Inconsistent Models: Problems and Perspectives” Alex Rueger (Alberta) “‘Incompatible’ Models for Realists” Anjan Chakravarty (Toronto) “Perspectivism, Inconsistent Models, and Contrastive Explanation”	II.3.b 2:00 – 3:20 pm A720 Loeb* <i>Modern Canadian Science and Technology</i> Chair: Janis Langins (Toronto) Ian Slater (York) “The Taegeukgi and the Maple Leaf: The Pursuit of South Korean Export Markets by Atomic Energy Canada Ltd.” Richard. Milligan (McGill), Tyler McCreary (York) “The Historic and Contemporary Use of Indigenous Knowledge in Northern Resource Management Studies”	
Session/ Séance II.4		
	II.4.b 3:30 – 5:30 pm A720 Loeb* <i>Institutional Authority and the Authority of Science in Alchemical, Medical and Political Contexts</i> <i>Joint Session, CSHPS/CHA</i> Chair: Trevor H. Levere (Toronto) Victor D. Boantza (Toronto) “Alchemical Agendas, the New Science, and Institutional Authority at the Early Académie Royale des Sciences” Erich Weidenhammer (Toronto) “Reputation, Patronage and Natural Knowledge: John Pringle and the Royal Society” Jaipreet Virdee (Toronto) “Medical Authority and Medicalized Institutions: John Harrison Curtis & the London Asylum for the Deaf and Dumb”	

Thursday, 28th May / Jeudi, 28^e Mai					
Session/ Séance III.1					
III.1.a 9:00 am – 1:00 pm 517 Southam* <i>Symposium: Entanglements of Instruments and Media in Investigating Organic Worlds</i> Chair: Lisa Gannett (St. Mary's) Tara Abraham (Guelph) “On the mind and brain: Investigative practices in 20 th -century neurophysiology and psychology” Aryn Martin (York) “Recalcitrant instruments, objects and investigators in the non-invention of a non-invasive prenatal genetic diagnosis technique” Nicole Nelson (Cornell) “Generating “anxiety like phenotypes” in the elevated plus maze: A measure of mouse anxiety or a model of human anxiety?” Joan Steigerwald (York) “Defining life in the eighteenth century: Instrumental reasoning, excitable matter and living subjects” Mathieu Charbonneau (Montréal) “Extended Thing Knowledge”	III.1.b 9:00 – 11:00 am 520 Southam* <i>Epistemic Values and Evidence</i> Chair: Andrew Wayne (Guelph) Wayne Myrvold (Western) “Belief, Value, and Theory Choice” Mike Thicke (Toronto) “Bayesian Statistics in Gravitational Wave Astronomy” Antoine C.-Dussault (Montréal) “Putnam and science value-neutrality” Jacob Stegenga (UCSD) “Paradoxes of Amalgamating Multimodal Evidence”	III.1.c 9:00 – 11:00 am 417 Southam* <i>Natural Kinds</i> Chair: Jim Brown (Toronto) Neil Williams (SUNY Buffalo) “Must Natural Kind Essences be Intrinsic?” James Overton (Western) “Domain Ontologies and Philosophy of Science” Serife Tekin (York) “Understanding Mental Illness: Moving Beyond Natural Kinds”	Session/ Séance III.2		
	III.2.b 11:15 am – 1:00 pm 520 Southam* <i>The Logic of Science and the Status of Laws</i> Chair: Alan Richardson (UBC) Duncan Maclean (McMaster) “Best Systems Analysis and the Problem of Undermining” Travis Dumsday (Calgary) “Scientific Essentialism and the Global Laws Problem” Aaron Barth (Western), Steve Bland (Western) “The Goals of Carnap’s Reconstructive Program”	III.2.c 11:15 am – 1:00 pm 417 Southam* <i>Philosophy of Quantum Mechanics</i> Chair: Wayne Myrvold (Western) Michael Cuffaro (Western) “The Electron as Noumenon” Mark Shumelda (Toronto) “The Hole Argument in Quantum Gravity” Laurent Jodoin (Laval) “Causality, quantum mechanics and entropy increase”			

11:00 am – 12:30 pm (departure @ 10:30 am) Special Visit to Canada Museum of Science and Technology		
Note: this is limited to 30 people. Pre-register by e-mail at program.cshps@gmail.com or at the CSHPS Conference Table— <u>first come first serve!</u>		
1:00 – 2:30 pm	Lunch & Annual General Meeting /Dîner & Assemblée Générale Annuelle	518 Southam
3:00 – 5:00 pm	Stillman Drake Lecture / Conférence Stillman Drake Co-sponsored by / Avec le soutiens de:	Theatre B, Southam*
 <p>MUSÉE CANADIEN DES CIVILISATIONS CANADIAN MUSEUM OF CIVILIZATION</p>		
<p>Professor Alison Wylie, University of Washington <i>The Future of Archaeology: Collaborative Practice in Action</i></p> <p>Chair/Président : Richard Arthur (McMaster)</p>		