

RSC Eastern Ontario Regional Seminar *Séminaire régional Est-Ontarien SRC*

Saturday, April 10, 2010 • Samedi le 10 avril, 2010
Donald Gordon Centre, Queen's University – Kingston, Ontario

9:30-10:00am	INTRODUCTIONS & COFFEE	9h30-10h00	INTRODUCTIONS & CAFÉ
10:00-11:00am	<i>Surveillance Hard-wired</i> David Lyon FRSC Sociology Queen's University	10h00-11h00	<i>Surveillance Hard-wired</i> David Lyon MSRC Sociology Queen's University
11:00-12:00pm	<i>Some Aspects of the Experience of Time in Early Modern England</i> Principal Daniel R. Woolf FRSC History Queen's University	11h00-12h00	<i>Some Aspects of the Experience of Time in Early Modern England</i> Principal Daniel R. Woolf MSRC History Queen's University
12:00-2:00pm	RECEPTION & PRINCIPAL'S LUNCHEON	12h00-14h00	RÉCEPTION & DÉJEUNER DU DIRECTEUR
2:00-3:00pm	<i>Biogeochemistry - the movement of elements through the environment</i> Peter Dillon FRSC Environmental and Resource Studies Trent University	14h00-15h00	<i>Biogeochemistry - the movement of elements through the environment</i> Peter Dillon MSRC Environmental and Resource Studies Trent University
3:00-4:00pm	<i>The Social Brain and Slow Processing: A novel paradigm for neuroscience</i> Merlin Donald FRSC Psychology Queen's University	15h00-16h00	<i>The Social Brain and Slow Processing: A novel paradigm for neuroscience</i> Merlin Donald MSRC Psychology Queen's University
4:00-5:00pm	INFORMAL DISCUSSION (Cash bar - Donald Gordon Centre)	16h00-17h00	DISCUSSION INFORMELLE (Bar payant - Donald Gordon Centre)

The seminar and lunch for Fellows and guests will be supported financially by contributions from the Royal Society of Canada, the Principal of Queen's University, an anonymous donor, and a charge of \$25 per person for attendees (with the exception of speakers and invited guests) by payment at the door on April 10th. Other guests are welcome. The talks are open to the public.

We look forward to welcoming you to this year's RSC Seminar, Pierre du Prey FRSC (Queen's Art) and Michael Sayer FRSC (Queen's Physics), Co-Chairs

Please RSVP as soon as convenient and for the lunch by April 1st, 2010 at the latest:
sayerm@physics.queensu.ca or 613- 531-4853.

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ABSTRACTS

Surveillance Hard-wired

David Lyon FRSC, Director of the Surveillance Studies Centre, Queen's Research Chair in Surveillance Studies and Professor of Sociology.

In the twenty-first century surveillance is not only hard-wired into the urban environment, it is vital to organizational practice, a major economic sector in its own right, crucial to the constitution of social classes, and of course constantly encountered in everyday life. Social thinkers once claimed surveillance was becoming central to modernity and now, from street cameras, tracking systems, loyalty programs and airport security scanners to internet monitoring it is indeed taken-for-granted as a pervasive feature of our age. Do the contours of today's surveillance society bespeak a drift to authoritarianism or the reign of autonomous technologies-out-of-control? Or are they a result of conscious choices?

Some Aspects of the Experience of Time in Early Modern England

Daniel Woolf FRSC, Professor of History and Principal and Vice-Chancellor - Queen's University

The talk, extracted from research I have been collecting over the years, will deal with how individuals and community experienced time in the period c 1500-1700.

Biogeochemistry - the Movement of Elements through the Environment

Peter Dillon FRSC, Director of the Worsfold Water Quality Centre, Trent University Industrial Research Chair in Watershed Biogeochemistry and Professor of Environmental and Resource Studies

Biogeochemistry is the integrated study of the geology, chemistry and biology of the natural environment. Measurement of the movement of substances through the environment provides valuable information about their sources, their losses (or sinks), the processes that they are involved in, and the factors that control their movement. Many of the models that allow us to predict the consequences of our actions, both good and bad, are based on these elemental budgets. A number of examples relevant to the Canadian environment will be discussed.

The Social Brain and Slow Processing: A novel paradigm for neuroscience

Merlin Donald FRSC, Emeritus Professor of Psychology, Queen's University

The human brain has a unique symbiosis with culture. In fact, its design potential cannot be realized outside of culture, and many of its key capacities, including language and symbolic thought, will not develop at all in social isolation. Why is this? I have drawn from many disciplines, including neuroscience, psychology, archaeology, anthropology, and linguistics, to develop a theory of human cognitive and cultural co-evolution. I have focused recently on a key neural operation called 'slow processing,' which seems to carry the double burden of both generating and negotiating complex cultures.