

Annual Meeting
Canadian Society for History and Philosophy of
Mathematics/ Société canadienne d'histoire et de
philosophie des mathématiques
Montreal, Canada

FRIDAY, JULY 27, 2007

8:15 AM **Coffee**
8:30 AM **Welcome**

Parallel Session I A

9:00 AM **Emil Sargsyan** Aristotle's Philosophy of Mathematics and Intelligible Matter
9:30 AM **Josipa G. Petronic** In the wake of empiricism: British empiricist traditions in mathematical thought (1860-1880) and Felix Klein's Erlanger Program as local responses
10:00 AM **Dirk Schlimm** From domains of being to systems of axioms, and vice versa: On the role of axiomatics in the discovery of lattices"
10:30 AM **Elaine Landry** How To Be A Structuralist All The Way Down
11:00 AM **Michel Serfati**. From Marshall Stone to Saunders Mac Lane. Elements for an epistemology of contemporary mathematics.
11:30 AM **Jean-Pierre Marquis** The early history of categorical logic in Montreal

Parallel Session I B

9:00 AM **Janet Beery** Navigating Between Triangular Numbers and Trigonometric Tables: How Thomas Harriot Developed His Interpolation Formulas
9:30 AM **Roger Godard** Some examples of Symmetry and Mathematics in the XVIIth, XVIIIth, XIXth Centuries
10:00 AM **David Orenstein** The Archival Record of Education and Research in the Mathematical Sciences in Nouvelle France and Bas Canada
10:30 AM **David Bellhouse** The Problem of Waldegrave
11:00 AM **Antonella Cupillari** Precalculus and Calculus, the old fashioned way
11:30 AM **Gavin Hitchcock** The many faces of "Analysis" in the making (1750-1850)

12:00 PM **LUNCH BREAK / EXEC MEETING**

Parallel Session 1I A

- 2:00 PM **Bart Van Kerkhove** The historicity of mathematics: computer proof
2:30 PM **Makmiller Pedroso** Realism and Mathematical Truth
3:00 PM **Jason Douma** Philosophical Intelligences: a potential model for teaching mathematics
3:30 PM **Giovanni S Queiroz** Paraconsistency and Mathematical Pluralism
4:00 PM **Miriam Lipschutz-Yevick** Poetic Metaphor and Mathematical Proof: A Shallow Analogy

Parallel Session 1I B

- 2:00 PM **Charlotte Simmons** Observations on Sir William Rowan Hamilton and George Boole
2:30 PM **Sloan Despeaux** Mathematics sent Across the Channel: Nineteenth-Century British Mathematical Contributions to International Scientific Journals.
3:00 PM **Joel Silverberg** “Circles of Illumination,” “Parallels of Equal Altitude,” and “le Calcul du Point Observé”: Nineteenth Century Advances in Celestial Navigation
3:30 PM **Israel Kleiner** Richard Dedekind (1831-1916): A path-breaking mathematician
4:00 PM **Jean-Philippe Villeneuve** From Cauchy’s integral to Lebesgue’s integral axiomatization: When a new interpretation becomes a reinterpretation

SATURDAY, JULY 28, 2007

Parallel Session III A

- 9:00 AM **Duncan Melville** Fields and reciprocals: Some hints from Sargonic mathematics
9:30 AM **Gregg De Young** QUṬB AL-DĪN AL-SHĪRĀZĪ’S “Demonstrations” of Euclid’s Postulates: Mathematical and Metamathematics Issues
10:00 AM **Glen van Brummelen** Telling Time in 10th-Century Baghdad: A New Instrument for Solar Timekeeping Comes to Light
10:30 AM **Edward L. Cohen** Important Indian Calendars
11:00 AM **Marina Vulis** Arabic contributions to cryptography
11:30 AM **Munibur Chowdhury** T Vijayaraghavan (1898-1955) and A. Weil (1906-1998): A Tale of a Friendship

Parallel Session III B

- 10:00 AM **Jonathan P. Seldin** More Thoughts on the Teaching of Elementary Mathematics
10:30 AM **Andrew Perry** The Advent of Conceptual Instruction in Nineteenth Century American Textbooks
11:00 **George P. Styan** A Philatelic Introduction to Magic Squares
11:30 AM **Hardy Grant** The Prehistory of “Experimental” Mathematics

12:00 PM **ANNUAL MEETING**

Special Session --John Fauvel: In Memoriam

- 2:00 PM **Raymond Flood** John Fauvel: Life, Labours and Legacy
2:30 PM **Tom Archibald** On Broadening the Sources for the History of
Mathematics: Variations on a Theme of John Fauvel
3:00 PM **Snezana Lawrence** John's legacy: History of Mathematics in
Mathematics Education

The Kenneth O. May Lecture

- 3:30 PM **C. Edward Sandifer** Five Pearls of Euler

Special Session—Leonhard Euler

- 4:30 PM **Jordan Bell** Euler's summation of a divergent series involving the
pentagonal numbers
5:00 PM **Craig Fraser** Euler's Use of Divergent Series
5:30 PM **Lawrence D'Antonio** How Euler Built the Britannia Bridge

SUNDAY, JULY 29, 2007

Special Session—Leonhard Euler

- 9:00 AM **Rob Bradley** Euler's Resolution of Cramer's Paradox
9:30 AM **Munibur Chowdhury** A Birthday Gift for Euler
10:00 AM **Chris Baltus** Euler's Continued Fractions
10:30 AM **Adrian Rice** What is the "birthday" of elliptic functions?
11:00 AM **Amy Aackerberg-Hastings** Euler and the Enlightenment
Mathematicians: A Scottish Perspective
11:30 AM **Charles Rocca** Philosophy to a German Princess

12:00 PM **LUNCH BREAK**

Special Session—Charles L. Dodgson

- 2:00 PM **Tony Crilly** Being a Mathematics Undergraduate at Oxford and
Cambridge in the Nineteenth Century.
2:30 PM **Eugene Seneta** The "Inverse Probability" Controversy and Lewis
Carroll. Read by Adrian Rice
3:00 PM **George Englebretsen** The Dodo and the DO: Lewis Carroll and the
Dictum de Omni.
3:30 PM **Amirouche Moktefi** "My Logical Friends": Lewis Carroll and his
contemporary logicians on the Barber shop problem.
4:00 PM **Francine F. Abeles** The Tangled Tale of Dodgson's Condensation of
Determinants