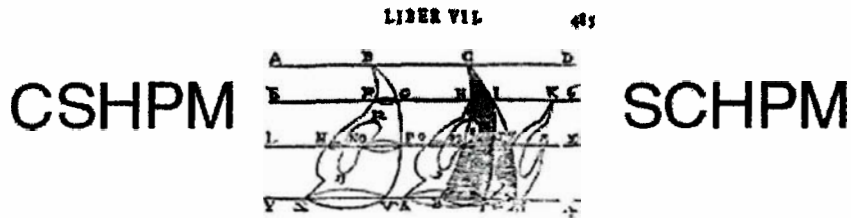


PROCEEDINGS OF THE

**Canadian Society for History
and Philosophy of Mathematics**

**Société Canadienne d'Histoire
et Philosophie des Mathématiques**



Volume 15

Twenty-Eighth Annual Meeting/Réunion Annuelle

**University of Toronto
Toronto, Ontario
May 24-26, 2002**

Editor

**Antonella Cupillari
Penn State Erie, The Behrend College**

Co-Editors

**Lawrence Downey
Michelle Previte
Penn State Erie, The Behrend College**

Table of Contents

<i>Preface</i>	iii
Francine F. Abeles <i>Kenneth O. May On Arrow and Group Choice</i>	1
Patricia R. Allaire <i>Where was Robert Murphy 1833-1835? or Did Murphy meet George Green?</i>	9
Christopher Baltus <i>The Cauchy-Riemann Equations and Gauss's First Proof of the Fundamental Theorem of Algebra</i>	13
Robert E. Bradley <i>Propriety, Priority and Polemic: Disputes in the Euler-d'Alembert Correspondence</i> ...	22
Edward L. Cohen <i>The Mayan Calendars</i>	36
Antonella Cupillari <i>Rules of Differentiation: Learning From Leibniz and Agnesi</i>	60
John Glaus <i>Jean le Rond d'Alembert, 1717-1783: L'Enfant Terrible du Siecle des Lumieres</i>	64
Roger Godard <i>Numerical PDE: An Historical Sketch</i>	73
Barnabas Hughes <i>The Geometric Algebra of Leonardo da Pisa, a.k.a. Fibonacci: An Octo-Centennial Tribute 1202 - 2002</i>	88
Israel Kleiner <i>Fermat: The Founder of Modern Number Theory</i>	96
Erwin Kreyszig <i>Classical Roots of Modern Numerics</i>	104
David Laverly & Gregory Lavers <i>Frege, Carnap, Conceptual Analysis, and Conventionalism</i>	122
Gregory H. Moore <i>Ken, Communism, and Canada: Remembering Seven Years as a Graduate Student of Kenneth O. May</i>	128
Madeline M. Muntersbjorn <i>Who does mathematics?</i>	135

Edward Sandifer <i>Reciprocal Trajectories and Euler's Marvelous Geometry Machine</i>	142
Jonathan P. Seldin <i>Curry's anticipation of the types used in programming languages</i>	148
James J. Tattersall & Shawnee L. McMurrin <i>Sir George Biddell Airy: The Orderly Lucasian</i>	164
Bart Van Kerkhove <i>Guises of Naturalism in the Foundations of Mathematics Debate</i>	169