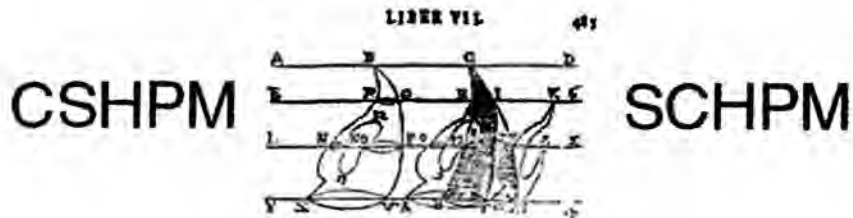


**PROCEEDINGS OF THE**

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

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