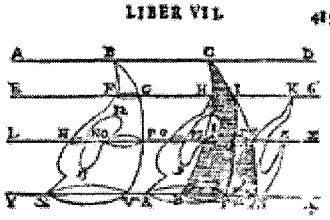
PROCEEDINGS OF THE

Canadian Society for History and Philosophy of Mathematics

Société Canadienne d'Histoire et de Philosophie des Mathématiques

CSHPM  SCHPM

Volume 19

Thirty-first Annual Meeting/Réunion Annuelle

York University
Toronto, Ontario
May 28-30, 2006

Editor
Antonella Cupillari
Penn State Erie, The Behrend College

Table of Contents

Preface

Francine F. Abeles
Lewis Carroll's Diagrammatic Logic System for Syllogisms 1

Amy Ackerberg-Hastings
Mathematics in the Wider Culture: John Playfair, the French Revolution, and the Napoleonic Wars 9

Christopher Baltus
The Conics of Apollonius -- Book I for Beginners 19

Thomas L. Bartlow
Mathematics and Politics: Edward V. Huntington and Apportionment of the United States Congress 29

Carlos R. Bovell
A Right Angle is a Right Angle, Right? 55

Edward L. Cohen
Ancient Egyptian Calendars 64

Chandler Davis
If it's real how can it be certain? 80

Roger Godard
From Chebychev to JPEG: Orthogonality and Approximation 93

William W. Hackborn
The Science of Ballistics: Mathematics Serving the Dark Side 109

Brian S. Hepburn
Was Euler Newtonian? Functions and Impenetrability 120

Barnabas Hughes
Fibonacci's De practica geometrie 149

Israel Kleiner
The Principle of Continuity: A Brief History 161

Miriam Lipshutz-Yevich
Postulates or Dogmas: The Hazards in Axiomatization 168

Hugh McCague
The Mathematics of the Canon of Polykleitos, an Exemplar of Greek High Classical Sculpture and Western Culture 178

Glen Meyer
The Instrumental Use of Continuous Orders: A Challenge for Hartry Field's Nominalization Program 188

Michael Molinsky
Mathematical Mysteries: The Use of Mathematics in the Detective Fiction of Dorothy Sayers and Rex Stout 201

David Orenstein
Helen Hogg's Data Management Methods 207

Andrew B. Perry
Curiosities of Early Nineteenth Century Elementary American Mathematics Textbooks 212

Charles F. Rocca Jr.
The Cryptological Work of Rev. John Wilkins 216

Paolo Rocchi
De Pascal à nos jours. Quelques notes sur l'argument A de la probabilité P(A) 228

Edward Sandifer
Euler, Newton and the Expulsion of the Geometers 236

Jonathan P. Seldin
Thoughts on Teaching Elementary Mathematics 242

Michel Serfati
Sur l'inventivé symbolique dans le mathématique de Leibniz 253

Joel Silverberg
Nautical Astronomy: From the sailings to Lunar Distances 265

Jim Tattersall and Shawnee McMurran
A Note on Submissions from India to the Mathematical Sections of the "Educational Times" and the "Journal of the Indian Mathematical Society" 289

Maryam Vulis
Cryptography during World War II: Deciphering Japanese Navy Codes 297

Byron Wall
Why John Venn Stopped Thinking about Probability and Logic at the End of the 19th Century 308

Ruth S. Whitmore
A Satisfying Account for the Origin of Sexagesimal Numeration 314