

PROCEEDINGS OF THE

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

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

Volume 7
Twenty-First Annual Meeting

**Université du Québec à Montréal
Montréal, Québec
June 3-5, 1995**

Edited by

**Jim Tattersall
Providence College
Providence, Rhode Island
and
United States Military Academy
West Point, New York**

Proceedings of the CSHPM/SCHPM 21st Annual Meeting
Université du Québec à Montréal
June 3-5, 1995

Table of Contents

Preface

Special Session/Session Spéciale
Mathematics Circa 1900

Erwin Kreyszig <i>From Classical to Modern Analysis</i>	1
James J. Tattersall and Shawnee L. McMullan <i>Women and the Cambridge Mathematical Tripos</i>	38
Christopher Baltus <i>Asymptotic Series and Continued Fractions:</i> <i>Stieltjes and After</i>	51
Louis Charbonneau <i>L'École des Hautes Études Commerciales de Montréal:</i> <i>les mathématiques qu'on y enseigne entre 1910 et 1945 . .</i>	63
Israel Kleiner <i>The Genesis of the Abstract Ring Concept</i>	72
Rebecca Adams <i>The Beginnings of General Topology</i>	90
Abe Shenitzer <i>A Few Expository Mini-Essays</i>	97
Alejandro Garciadiego <i>A Survey on the Background of the Study of the</i> <i>History of Modern Mathematics in Mexico</i>	104

**Regular Session/Session Ordinaire
Contributed Papers**

John Anderson <i>The Short Happy Life of the Cassini Ovals: Geometric Style and Metamathematical Supposition at the Turn of the 18th Century</i>	111
Richard O'Lander <i>The Origin of Trigonometry</i>	120
James A. Ralston <i>The Problem of Pappus</i>	136
Francine Abeles <i>Avoiding 'The Bewildering Region of Infinities and Infinitesimals': Charles L. Dodgson's Euclidean Parallel Axiom</i>	143
Roger Godard <i>Quelques Commentaries sur la Theorie des Probabilities. Reflexions sur les Probabilities a Priori et a Posteriori.</i>	152
Barnabus Hughes $\int \frac{dx}{x} = \ln(x) + C:$ <i>Why is it Defined. How was it Discovered</i>	169
Amy Ackerberg <i>Leonard Euler: Essential Figure in Eighteenth-Century Mathematical Physics</i>	179
Elaine Landry <i>Category-Theoretic Realism</i>	186
Sunoy Sanatani <i>Some Aspects of Intuitionism in Mathematics</i>	202

Robert Thomas <i>From Ethnomathematics to Real Mathematics</i>	217
Paul Rusnock <i>Kant On Incongruent Counterparts</i>	226
Ronald Fechter <i>Gödel's Theorem, Platonism, and the Philosophy of Mind</i>	237
William Anglin <i>Egyptian Fractions in the Twentieth Century</i>	244
Colin R. Burnett <i>Fun with Prime Numbers, Conceptual Change and Object Orientation</i>	261
Glen Van Brummelen <i>Kushyār ibn Labbān's Planetary Astronomy</i>	279
P. Rajagopal <i>Proofs in Indian Mathematics</i>	290
Jacques Lefebvre <i>Vigny et les mathématiques</i>	314
Luis Radford <i>Linking Psychology and Epistemology: Can the History of Mathematics be a Useful Tool for Teaching Mathematics?</i>	328
Edward L. Cohen <i>Gregorian Dates</i>	343