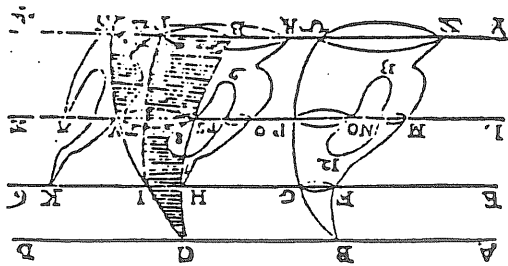


PROCEEDINGS OF THE

Canadian Society for the History  
and Philosophy of Mathematics

Société Canadienne d'Histoire  
et Philosophie des Mathématiques



Volume 11

Twenty-Fourth Annual Meeting

University of Ottawa  
Ottawa, Ontario  
May 29-31, 1998

Edited by

J. J. Tattersall  
Providence College  
Providence, Rhode Island

Proceedings of the CSHPM/SCHPM 24th Annual Meeting  
University of Ottawa  
May 29-31, 1998

Table of Contents

Preface

Special Session/Séminaire  
Late Nineteenth Century Mathematics

Volker Beckhaus (Universität Erlangen-Nürnberg) . . . 1  
19th Century Logic: Between Philosophy and Mathematics

Francine Abeles (Kean University) . . . 21  
Henry John Stephen Smith at Oxford

Israel Kleiner (York University) . . . 31  
Early Stages in the Evolution of Field Theory

Erwin Kreysszig (Carleton University) . . . 43  
Tendencies of Functional-Analytic Developments  
During the Last Quarter of the 19th Century

Sharon Kunoiff (Long Island University) . . . 55  
Hilbert's Problems and His Contributions to  
19th Century Mathematics, Briefly!

Regular Session/Session Ordinaire  
Contributed Papers

- 63 Amy Ackenberg-Hastings (Iowa State University)  
John Farrar: Forgotten Figure of American Mathematics
- 69 Rebecca Adams (Vanguard University)  
Kurt Lewin's Application of Topology to Psychology
- 77 Patricia Allaire (Queensborough Community College)  
The Roots of British Symbolical Algebra in "The  
Problem of Negatives"
- 85 Christopher Baltus (SUNY at Oswego)  
Lagrange and the Fundamental Theorem of Algebra
- 97 Edward Cohen (University of Ottawa)  
Elisabeth Achelis: Calendar Reformer
- 110 Ibrahim Garro (University of Toronto)  
The Paradoxes of Yahya Ibn Adi and Bertrand Russell
- 116 Roger Godard (Royal Military College of Canada)  
An Historical Analysis of Time Series Up To 1949
- 133 Elaine Landry (McGill University)  
Category Theory as a Framework for Mathematical  
Structuralism
- 143 David Laverly (University of Western Ontario)  
Predicativism in Herman Weyl's Das Kontinuum
- 151 Daryn Lehouk (University of Toronto)  
Egyptian Astrometeorology
- 164 Duncan Melville (Saint Lawrence University)  
Weighing Stones in Ancient Mesopotamia
- 179 Cyrus Panjvani (University of Western Ontario)  
On Wittgenstein and Identity: Why Identity is not a Relation
- 186 Jonathan Seidin (Concordia University)  
Euclidean Geometry Before Non-Euclidean Geometry
- 192 Sylvia Svitak (Queensborough Community College)  
The "Chicago Connection" in the Mathematical  
History of Factor Analysis, 1930-1948