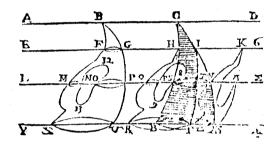
CANADIAN SOCIETY FOR HISTORY AND PHILOSOPHY OF MATHEMATICS

SOCIÉTÉ CANADIENNE D'HISTOIRE ET PHILOSOPHIE DES MATHÉMATIQUES



PROCEEDINGS of the FOURTEENTH ANNUAL MEETING

WINDSOR, ONTARIO

MAY 28 - MAY 30, 1988

EDITED BY
TASOULA BERGGREN
SIMON FRASER UNIVERSITY

CSHPM/SCHPM 14th ANNUAL MEETING UNIVERSITY OF WINDSOR, ONTARIO May 29 - June 2, 1988

Table of Contents

	knowledgements ii	
Contributed Papers:		
1.	Some Victorian Periodic Polyalphabetic Ciphers Francine Abeles (Kean College of New Jersey)	1
2.	A History of Logic Trees Irving H. Anellis (Iowa State University)	9
3.	The Nineteenth Century Roots of Universal Algebra and Algebraic Logic Irving H. Anellis (Iowa State University)	23
4.	Ptolemy's Maps of Earth and the Heavens: A New Interpretatio J.L. Berggren (Simon Fraser University)	39
5.	A Glimpse at Cremona Transformations Through a Euclidean Eye Roland H. Eddy (Memorial University of Newfoundland)	55
6.	The History of the Magirus - Kepler Theorem Roger Herz-Fischler (Carleton University)	67
7.	Why not Trigonometry? Victor J Katz (University of the District of Columbia)	77
8.	The Numerical Structure of Al-Khalīlī's Auxiliary Tables Glen R. Van Brummelen (Simon Fraser University)	91

Foreword

This volume contains some of the papers delivered at the Fourteenth Annual Meeting of the Canadian Society for the History and Philosophy of Mathematics, held at the University of Windsor in Windsor, Ontario from May 28 - May 30 of 1988. It is the first time in its history that the Society has done this, and we hope that the publication of *Proceedings* will become a regular part of the Society's activities. Since the idea of doing this occurred to us only after the meeting it proved not possible for all who gave papers to prepare versions in a form suitable for reprinting here. To all of those who were able to do so our thanks for your efforts to comply with our requests for formatting. To the others we hope that the foreknowledge that the *Proceedings* will also be published this year will enable you to prepare versions for inclusion in the 1989 edition.

We hope all members of the CSHPM will enjoy reading the talks represented here, and especially that those who were not able to be at the 1988 Annual Meeting will find these papers a stimulus to attend the 1989 meeting.

Tasoula Berggren, Editor of *The Proceedings*

Len Berggren, President, CSHPM/SCHPM