



Report on the ICHM co-sponsored special session on the history of mathematics
at the 2011 Joint Meetings of the American Mathematical Society and the
Mathematical Association of America

Marriott and Sheraton, New Orleans, Louisiana, USA; January 6-7, 2011

Organizers

Sloan Despeaux, Western Carolina University, USA

Craig Fraser, University of Toronto, Canada

Deborah Kent, Hillsdale College, USA

Speakers and titles for the papers are given below. Abstracts for the papers may be accessed at
http://jointmathematicsmeetings.org/meetings/national/jmm/2125_program_ss37.html#title

Part I

Gauss on the Composition of Quadratic Forms: Group Theory without Groups.

Lawrence A. D'Antonio, Ramapo College of New Jersey

The Binomial Theorem from Newton to Cauchy.

Robert E. Bradley, Adelphi University

Johann Lambert's Use and Understanding of Mathematical Transcendence.

Bruce J. Petrie, Institute for the History and Philosophy of Science and Technology, University of Toronto

How "Kroneckerian" became an adjective.

Jemma Lorenat, Simon Fraser University

Gallardo's work, a needle in a haystack.

Alejandro R. Garciadiego, Universidad Nacional Autonoma de Mexico (UNAM)*

Part Two

Math Needs Paper and Imagination?: Embodying the Mathematical Knowledge in 17th century Japan.

Tomoko L Kitagawa, Harvard University

Early Chinese Mathematics: its Development from pre-Qin to Wei.

Joseph W. Dauben, National Chiao-Tung University, Taiwan

Chinese Roots of Linear Algebra.

Roger Hart, University of Texas at Austin

Trigonometric Tables in China.

Jiang-Ping Jeff Chen, St. Cloud State University, Minnesota

The Mathematical Study of Historical Numerical Tables: Successes, Failures, Issues.

Glen R Van Brummelen, Quest University



Ptolemy's justification for the study of mathematics.
Jacqueline Feke, Stanford University

Part Three

The Quadrature of the Circle: 17th century impossibility arguments.
Jesper Lutzen, University of Copenhagen

The quarrel on the invention of the calculus in Jean E. Montucla and Joseph J. L. de Lalande, Histoire des Mathématiques (1758/1799-1802).
Niccolò Guicciardini, University of Bergamo, Italy

"Splendidly isolated"? Some reflections on the transnationality of 19th-century British mathematics.
Adrian Rice, Randolph-Macon College

Salvatore Pincherle and the 1918 Grand Prix des sciences mathématiques: The Third Man.
Daniel S. Alexander, Drake University

Shades of modernism in understandings of applied mathematics: von Neumann's economic system of equations and Rashevsky's model of cellular multiplication.
Tinne Hoff Kjeldsen, IMFUFA, NSM, Roskilde University

The lure of the fundamental probability set of equally likely events.
Byron E. Wall, York University

Mobilizing Mathematics: The American Mathematical Society and World War II.
Karen V. H. Parshall, University of Virginia

George Birkhoff--"the Poincaré of America".
June E. Barrow-Green, The Open University

Part Four

Mary Cartwright and G.H. Hardy's 1928 Oxford Seminar.
James J. Tattersall, Providence College
Shawnee L. McMurrin, California State University San Bernardino

Advertising and Patronage in Laplace's Early Writing.
Menolly Lysne, IHPST at University of Toronto

Circulating Mathematics and Connecting Mathematicians: The American Journal of Mathematics, 1878-1930.
Deborah Kent, Hillsdale College



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From left to right: Tinne Kjeldsen, Daniel Alexander, Adrian Rice, June Barrow-Green, Niccolo Guicciardini, Jesper Lützen, Karen Parshall



From left to right: Elizabeth Burns, Menolly Lysne, Jemma Lorenat, Lawrence D'Antonio, Bruce Petrie, Deborah Kent

Photographs courtesy of Craig Fraser