Report on the ICHM co-sponsored special session on the history of mathematics at the 2010 Joint Meetings of the American Mathematical Society and the Mathematical Association of America

Moscone Conference Center, San Francisco, California, USA; January 15, 2010

Organizers
Sloan Despeaux, Western Carolina University
Craig Fraser, University of Toronto
Deborah Kent, Hillsdale College

Speakers and titles for the papers are given below. Abstracts for the papers may be accessed at http://jointmathematicsmeetings.org/meetings/national/jmm/2124_program_friday.html

The Mathematics of the Antikythera Mechanism.
James Evans, University of Puget Sound, USA

The various "Indian rules" in medieval and early modern Western mathematics.
Kim Plofker, Union College, USA

Descartes, Van Schooten, and algebraic extensions of fields.
Michel Pierre Serfati, Université Paris VII/ Denis Diderot, France

Curvature and symmetry in Newton's early computations of orbital dynamics.
Michael Nauenberg, University of California at Santa Cruz, USA

From cascades to calculus: episodes in the history of Rolle's theorem.
June Barrow-Green, The Open University, Milton Keynes, UK

D company: the rise and fall of differential operator theory in Britain, 1810s-1870s.
Ivor Grattan-Guinness, Middlesex University, UK

Pasch and Klein on intuition and proofs.
Dirk Schlimm, McGill University, Montreal, Canada

Why was Wantzel Overlooked for a Century? The Changing Importance of an Impossibility Result.
Jesper Lützen, University of Copenhagen, Copenhagen, Denmark

From idea to mathematical object: Herman Minkowski's introduction of general convex sets.
Tinne Hoff Kjeldsen, IMFUFA, Roskilde University, Roskilde, Denmark

From left to right: Dirk Schlimm, Tinne Kjeldsen, Ivor Grattan-Guinness, Jesper Lützen and June Barrow-Green

From left to right: Michael Nauenberg, Kim Plofker, James Evans, Michel Serfati

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