



Canadian Society for History
and Philosophy of Mathematics
Société canadienne d'histoire et
de philosophie des mathématiques

NEWSLETTER

November 4, 1982

Please send items to E.J. Barbeau, B201, University College, University of Toronto, Toronto, Ontario M5S 1A1.

82.5 1983 ANNUAL MEETING

CSHPM will be meeting with the Learned Societies at the University of British Columbia on Tuesday and Wednesday, June 7-8, 1983. Please plan for it now. Do you have

- a paper to present?
- suggestions for the programme? for speakers?
- contacts with other learned societies with whom we can cooperate?

(CSHPS meets June 6-8, CMESG meets June 8-12, CMS meets June 2-4).

The programme convenor is E.J. Barbeau (address above) (416) 978-8601 and Professor L. Berggren of Simon Fraser University is looking after local arrangements.

82.6 L. BERGGREN RECEIVES NSERC AWARD

L. Berggren of Simon Fraser University has been awarded an NSERC grant of \$5566 to conduct a three-year study of problems and methods in medieval Arabic geometry. He plans to produce a book on episodes in the history of Arabic mathematics (University Affairs, November 1982, p. 22).

82.7 WORKSHOP AT TORONTO ON PEDAGOGICAL USES OF HISTORY OF MATHEMATICS

In January 1980 at Oberwolfach the Executive Committee of The International Commission on the History of Mathematics accepted an invitation to hold a workshop in Toronto on the uses of the history of mathematics in math classes. It is now planned for the summer 1983 at the Institute for History and Philosophy of Science and Technology, University of Toronto. The Commission chairman, Professor Christoph J. Scriba (Hamburg), now invites CSHPM/SCHPM to join in sponsoring and planning this workshop; Professor Charles V. Jones is interested in the project and would assist with it.

There have been several series of meetings during the last several years concerning the social history of mathematics, the history of mathematical education, and the sociology of mathematical knowledge. These tend to be based upon the contribution of participants from their most recent research. The focus

however of the Toronto Workshop would be on teaching and on classroom use of our accumulated knowledge of the history of mathematics; sessions and lectures would be invited for this purpose.

(W.M. Stevens, President, CSHPM/SCHPM)

82.8 CUPM RECOMMENDATIONS: March 1982 Draft

I have received draft recommendations from the CUPM Teacher Training Panel. They suggest a history of mathematics course requiring first year calculus and some other mathematical experience as a prerequisite. The breakdown of topics is as follows:

1. Informal origins (4 hours): primitive arithmetic and geometry
2. Early development of mathematics as a science (7 hours): early Greek mathematics
3. Mathematics in the Greek culture after Euclid (6 hours)
4. Mathematics outside Europe before 1600 (5 hours): Chinese, Hindu, Arab work
5. Mathematics in Europe before 1600 (3 hours)
6. Mathematics in the 17th and 18th centuries (7 hours)
7. Mathematics in the 19th and 20th centuries (7 hours)

I would be glad to send a copy to any interested person.

82.9 ISGHPM WORKSHOP

Just prior to the NCTM meeting, at the University of Michigan in Ann Arbor on April 11-12, there will be held a workshop of the International Study Group on the Relations between the History and Pedagogy of Mathematics. This is being organized by Professor Phillip S. Jones and will consist of three workshop subgroups which will prepare the outline of a teaching unit for at least one topic from geometry, algebra or analysis. It will be open to about 30 participants. Those interested should contact Prof. Jones, 1701 Shadford Road, Ann Arbor MI 48104 (313-662-7320).