BULLETIN

CSHPM SCHPM

WHAT'S INSIDE

ABOUT THE SOCIETY

Founded in 1974, the Canadian Society for the History and Philosophy of Mathematics / Société canadienne d'histoire et de philosophie des mathématiques (CSHPM/-SCHPM) promotes research and teaching in the history and philosophy of mathematics. Officers of the Society are:

President: **Len Berggren**, Math Department, Simon Fraser University, Burnaby, BC V5A 1S6, CA, Berggren@sfu.ca
Vice-President: **Robert Bradley**, Adelphi University, Garden City, NY 11530, USA, bradley@adelphi.edu
Secretary: **Pat Allaire**, Dept. of Math., Queensborough C.C., Bayside, NY 11364 USA, pallaire@qcc.cuny.edu
Treasurer: **Roger Godard**, Kingston, ON K7M 1Y6, CA, godard-r@rmc.ca
Archivist: **Amy Shell-Gellasch**, CMR 415, Box 3161, APO AE 09114, USA, amy.shellgellasch@us.army.mil

Members of Council

Amy Ackerberg-Hastings, Rockville, MD 20851, USA, aackerbe@erols.com
Hardy Grant, Ottawa, ON K2A 2J8, CA, hgrant@freenet.carleton.ca
Israel Kleiner, Dep. of Mathematics and Statistics, York University, Toronto, ON M3J 1P3, CA, kleiner@rogers.com
Adrian Rice, Randolph-Macon College, Dept. of Mathematics, Ashland, VA 23005, USA, arice4@psu.edu

The Society's Web Page (www.chspm.org) is maintained by **Robert Bradley**, Adelphi University, Garden City, NY 11530, USA

The proceedings of the Annual Meeting are edited by **Antonella Cuppilari**, School of Science, Penn State Erie, The Behrend College, Erie, PA 16563, USA, axc5@iusb.edu

New Members are most cordially welcome; please contact the Secretary.

President's Message

As you will recall from the previous Bulletin, I suggested at our Annual Meeting that we meet jointly with CMS from time to time, something like one meeting in three over the long average. (We last did so in 2000.) I had suggested this to Council last Spring and, after a preliminary discussion of pros and cons there brought it to the AGM. There is was decided that information would be conveyed to the membership about this in the final version of the May 2003 Bulletin, and member response was encouraged. On the basis of the information and the membership's response the Executive Council was to make a decision. This has now happened and I am happy to say that the Executive has approved the following motion:

Resolved that the CSHPM hold its Annual Meetings from time-to-time with the Canadian Mathematical Society at its Summer Meeting. The first such joint meeting will be held at the University of Waterloo, Ontario, in June 4 - 6, 2005, and it is Council's intent that these joint meetings be, in the long run, something like one in three - although there may be, in the short term, some variation from this figure. This policy will be reviewed after six years (in the Fall of 2009), though - of course - any Council member may request an earlier review. I am happy to report that the Council has approved this motion unanimously and that Tom Archibald, our representative at the most recent (this month!) meeting of the CMS advised their Executive of our adopt-

ing this motion.

In keeping with our decision at the last AGM to participate when possible in organizing history of math sessions at the CMS winter meetings I organized two sessions on the history of mathematics at the Winter Meetings of the Canadian Mathematical Society, which were held from December 5 - 8 in Vancouver, B.C.. The program (in order of presentation) was as follows:

Sunday 7 Dec. 03

- Israel Kleiner (York): Fermat - The founder of modern number theory

- Tom Archibald (Acadia): Jules Tannery, Paul Appell, and the mathematical research community in France, 1870-1914

- Ram Murty (Queens): History of the Euclidean algorithm

- Lawrence D'Antonio (Ramapo): The solution of the Beha-Eddin problem: elliptic curves to the rescue!

Monday 8 Dec. 03

- Hardy Grant (York): Greek mathematics in cultural context

- Alexander Jones (Toronto): Ptolemy's mathematical tones

- Nathan Sidoli (Toronto): Menelaus' Theorem in Ptolemy & Theon

- Glen Van Brummelen (Bennington): Taking latitude with Ptolemy: Al-Kashi's final solution to the determination of the positions of the planets

Attendance at the sessions varied from 20 to 35 and I heard many favorable comments about the talks. In addition, one of our members and former President, Tom

Archibald of Acadia University, was selected as one of six plenary speakers, the first time to my knowledge that the CMS has had a working historian of mathematics give a plenary lecture. Tom spoke on "France, Germany, and the Making of Modern Mathematics." At the risk of stealing Tom's thunder, I reproduce Tom's abstract of his talk here:

"The transformation of mathematical research practice over the course of the nineteenth century culminated in an international mathematics research community which was incipiently modern. We use the term "modern" here in much the same way it would be used by historians of art or literature, for example in the sense that mathematics became less focussed on the representation of a supposed natural world and concentrated more on problems generated within mathematics itself. Much more mathematical research came to have a decidedly abstract character, and philosophical, even metaphysical, issues came to be of central importance to many important practitioners. Corresponding to this shift, mathematics came to be centred in the universities, and the production of pure mathematical research was professionalized both via its professorial context and through other means, such as the rise of national and international mathematical associations. In these and other developments, the French and German mathematical communities were the leaders, though each of these communities had its own internal tensions.

In this paper I discuss how the interaction between the two national groups played a central role in establishing the leading lines of development for mathematics internationally by around 1900. In so doing, I will look at the transition from an older, pre-modern form of mathematical endeav-

our, exemplified by such figures as C. G. J. Jacobi and Charles Hermite, to the more abstract and structurally oriented work of the early twentieth century. In particular, I will outline the leading role of Hermite as interpreter of, and enthusiast for, German mathematical work (in particular that of Weierstrass and Kronecker). The resulting stresses between modern tendencies and more classical mathematical approaches did a great deal to establish a hierarchy of values for mathematical research, and we shall also look briefly at how these developments played a role in setting the agenda for the twentieth century."

Tom's presentation was enthusiastically received by a large audience.

In the firm confidence that this will reach you before the end of the month I wish all our members very happy holidays and a Happy New Year.

Len Berggren

From the Representative to CFHSS

A Report from the CFHSS Meeting on 22-23 November 2003

1. Apparently there is money each year to give societies grants to bring international speakers. This year in Manitoba three societies are being given $1000 and one grant of $ 250 is being given to the "small societies," of which we are one. The appropriate executive members of our society should look into this about a year before the actual CFHSS meeting in May-June.

2. There is talk about a (free) PASSPORT to all societies at the annual CFHSS

meeting; we should have a position on this;

3. A session on copyright was held; the USA & EU have life + 70 years; Canada has life + 50 years. Canada will be passing a new law soon with pressure from the USA. The USA has obtained bilateral treaties with Chile & Singapore;

4. Annual meetings: 28 May-5 June 2005 at Univ. Western Ontario, 27 May-4 June 2006 at York Univ., 2007 at Saskatchewan; 2008 at UBC, trying Québec City for 2009, and Ottawa for 2010.

Ed Cohen (edcohen@sympatico.ca)

Minutes of the Annual General Meeting, May 31, 2003

Meeting

The meeting, with 30 members in attendance, was called to order at 12:15 pm by Len Berggren, President.

1. Motion: To approve the minutes of the May 2001 Annual General Meeting as printed in the November 2002 Bulletin. Carried.

2. The Secretary, Pat Allaire, reported that there are approximately 200 members paid for 2003. She requests that members pay promptly at the beginning of the year to save the Society administrative time and money.

3. Motion: To approve the Treasurers report as printed in the May 2003 interim Bulletin. Carried.

4. The Bulletin Editor, Tom Drucker, explained the necessity of the interim issue of the Bulletin. The Bulletin will

continue in paper form. Earlier deadlines are being established to avoid end-of-semester conflicts. Tom solicits submissions of all types from member.

5. The Secretary reported for the Proceedings Editor. The 2002 Proceedings should be mailed early in the summer. The deadline for submission of papers for the 2003 Proceedings is August 31, 2003. Directions are on the web page, www.cshpm.org. The Editor implores members to follow those directions carefully.

    Roger Godard noted that it is important that the guest speakers provide their papers for the Proceedings.

6. Glen Van Brummelen reports that Springer has responded favorably to the idea of a volume of the keynote papers of the Society, perhaps supplemented by some other papers. He and Michael Kinyon have submitted a formal proposal. The volume should appear within the next few years.

7. Daryn Lehoux, local arrangements coordinator for this meeting, announced that he arranged for the Dawson Print Shop Museum of Printing Technology at Dalhousie to be open for delegates from CSHPM and CSHPS on Saturday from noon to 5:00pm. The museum contains a working replica of a 17th century press.

8. Len Berggren, President presented the recommendation of the Executive Council that we have a single meeting in 2004, at Clare College, Cambridge, UK, joint with BSHM, July 9-11. Motion: To approve this recommendation. Carried.

    The Archivist, Amy Shell-Gellasch now has a full set of Proceedings. Excess copies of Volumes 1, 6, 9, and 13 are available to members at this meeting.

The President reminded members of the complimentary associate memberships available to undergraduates recommended by faculty.

It was suggested that we encourage all member to encourage graduate students, in both history and philosophy of mathematics, to present papers at our Annual Meetings.

A notice of a motion was provided in Toronto to amend the Constitution to permit the Executive Council to determine which two of its members are to be signing officers. Formal wording appears in the May 2003 Bulletin. Motion carried.

A notice of a motion was provided in Toronto to amend the Constitution to define the fiscal year to be from January 1 to December 31. Formal wording appears in the May 2003 Bulletin. Motion carried.

Robert Thomas, communicating by e-mail, suggests that deceased, as well as new members be listed in the Bulletin. The Bulletin Editor requests that anyone knowing of the death of a member, provide a short background piece to the Bulletin.

Robert Thomas suggests that good business practice suggests that an audit of the finances of the Society should be done. The difference between a financial review and an audit was discussed. The treasurer will inquire about cost and report so that a decision can be made as to which should be done.

9. The President discussed the matter of cooperation and mutual awareness between CSHPM and CMS.

    • We might send representatives to each others Executive Council meetings as non-voting observers. Tom Archibald

filled this role at the CMS Executive meeting in December 2002. Our Executive Council recommends that we invite them to do the same.

- We might organize a History and Philosophy of Mathematics session at their winter meeting each year. Doing so should have the advantage of allowing departments of mathematics to appreciate the importance of history and philosophy. Len will organize such a session in Vancouver in December 2003. To present a paper, one need not be a member of CMS, but must register for the conference on the day he/she is presenting.

- We might meet jointly with CMS, perhaps 1/3 of the time over the long average. We last did so in 2000. In response to a question, Glen said that financial support is available if we meet with CMS.

Motion: To exchange non-voting observing representatives at each others Executive Council meetings. Carried.

Rather than formalize any arrangement by a motion, it was agreed that the membership recommends that we organize a History and Philosophy of Mathematics session at the winter meetings of the CMS.

This discussion was suspended to accommodate a visit from CFHSS.

A task force of CFHSS is collecting information to create a best practices manual for member organizations. A new scholars taskforce will encourage those new to the profession to commit to member societies. CFHSS is actively serving as advocate and lobbyist for the Social Sciences and Humanities.

Roger Godard inquired as to insurance coverage for members attending a Congress. The response was that the Congress is covered by the insurance of the host institution.

Returning to the topic of whether we should meet jointly with CMS in BC in 2005 as recommended by the Executive Council.

Rob Bradley, Vice-President, assumed the chair temporarily so that the President could address the question.

Len is strongly in favor of meeting jointly in 2005 and in forging strong ties with CMS as quickly as possible. Members questioned the suitability of having two consecutive meetings separate from CFHSS and in expensive-to-reach locations. Of addition concern was the fact that UWO, the site of the 2005 CFHSS Congress, is the home institution of several of the most active members of our society.

The membership has several options:

- a decision can be made at this meeting
- a decision can be made at the next general meeting in Cambridge
- the Executive Council can be authorized to decide at a later time

After considerable discussion, it was suggested that the Executive Council would obtain more information, especially the location of the summer CMS meeting in 2006. This information will be conveyed to the membership in the final version of the May 2003 Bulletin, and member response will be encouraged. Then the Executive Council will make a decision. A motion was made to this effect. Carried.

Len Berggren returned to the Chair.

10. Volunteers were solicited for a Nominating Committee of 3 to secure nominees for the positions of President, Vice-

President, Secretary, Treasurer, Webmaster, and 4 Councilors. Volunteering for the committee were Chris Baltus, Len Berggren, and Jim Tattersall. This committee was ratified by the membership.

11. Old business: none

12. New Business: none.

The meeting was adjourned at 1:55 pm.

Joint 2004 Meeting in Cambridge

This meeting follows two previous very successful meetings held in Oxford (1997) and in Toronto (1999), both of which were characterised by very lively and thought provoking papers presented in a spirit of considerable enthusiasm. As before, the contributions come from members of both societies and from many countries, making the meeting truly international. Papers cover a larger number of themes than is normally possible in one meeting.

Founded in 1326, Clare College is the second oldest of the Cambridge colleges. It is located just a short walk away from the centre of Cambridge, yet enjoys a peaceful location in beautiful riverside gardens. The conference starts after lunch (2 p.m.) on Friday 9 July 2004 and finishes with lunch on Sunday 11 July 2004. The programme will be circulated to those who have registered and a regularly updated version will also be available on the BSHM website www.dcs.warwick.ac.uk/bshm.

More than twenty five contributions have already been offered and accepted for this third Joint Conference, indicating the high level of interest in this meeting. Contributors include: Francine F. Abeles, Amy K. Ackerberg-Hastings, Patricia Allaire, David Anderson, Bob Burn, Janet Delve, Sloan Despeaux, W.N. Everitt, Roger Godard, Rod Gow, Paul Garcia, John Glaus, Keith Hannabuss, Annette Imhausen, Ioan James, Deborah Kent, Israel Kleiner, Ma Li, Peter Neumann, Amy Shell-Gellasch, Jackie Stedall and Robin Wilson. It might be possible to accommodate a small number of additional papers. If you wish to submit a contribution, please contact one of the joint organisers John Earle (BSHM) c.j.earle@exeter.ac.uk or Adrian Rice (CSHPM) arice4@rmc.edu as soon as possible.

A separate registration form accompanies this sheet and should be sent by post to

John Earle (BSHM) at the address given. Cambridge is a very popular conference venue so variations of accommodation arrangements may be difficult to arrange. Any such requests must be made well in advance, preferably at the time of registering.

Further details about the programme are available from either of the joint organisers. Enquiries about registration and accommodation should be addressed to John Earle, BSHM Treasurer, 20 Dunvegan Close, EXETER, Devon EX4 4AF, UK (by e-mail: c.j.earle@exeter.ac.uk).

Meeting of the CSHPM/ SCHPM Executive Council

May 30,   *2003 Halifax, NS*

Present:
Amy Ackerberg-Hastings, Pat Allaire, Len Berggren (presiding) Rob Bradley, Tom Drucker, Roger Godard, Hardy Grant, Israel Kleiner, Jim Tattersall, Glen Van Brummelen

The Secretary amended the minutes of the May 2002 Executive Council to replace CD by time deposit certificate. The minutes were approved as amended.

Annual General Meeting Agenda

1. **Treasurers Report:** Roger Godard noted that the good condition of the our finances is due in significant part to Queensborough Community College, CUNY, which covered the entire cost of the 2001 Proceedings and Penn State Erie, the Behrend College, which will subsidize the 2002 Proceedings.

   He suggested that we solicit members who are from countries other than Canada and US to act as liaisons to provide information of interest from their respective countries. The Bulletin Editor will follow up.

2. **Presidents Report:** Len Berggren noted the following:

   - Next year we will meet jointly with BSHM at Clare College, Cambridge, UK, July 9-11, 2004. The Executive Council will recommend to the membership that we avoid dilution of both meetings by not meeting jointly with CFHSS in 2004.
   Roger Godard inquired as to whether travel funds from HSSFC will be provided for a meeting outside Canada. He suggested we might supplement with fund from the Ken May fund. The Council concluded that there was not sufficient money in the May fund to make meaningful supplements.

   - For at least the next year, the Proceedings will be published in paper and not electronically. Individual papers from the Proceedings continue to be available on-line to members, with Glen Van Brummelen continuing to serve as gatekeeper.

   - The President suggested that we remind members of the membership category of Undergraduate Associate in CSHPM/SCHPM, to heighten awareness of history of mathematics among undergraduates. These students pay no membership fee, but receive the Bulletin, on-line access to the Proceedings, and an invitation to attend the Annual Meeting.

   - Robert Thomas, communicating by e-mail, suggested that deceased members, as well as new, be acknowledged in the Bulletin. The Bulletin Editor will follow up.

- He also suggested that it would be prudent to have an audit of the financial accounts of the Society. The Treasurer will investigate and report to the Executive Council.

- The President recommends cooperation with the Canadian Mathematics Society (CMS), said cooperation to take several forms:

  - approximately one-third of our meetings be joint with CMS. The first opportunity to do so will be in Victoria, BC, in summer 2005.
  - a representative from each organization to attend the Executive Council meeting of the other organization. Tom Archibald has volunteered to represent CSHPM at CMS.
  - CSHPM to organize a History and Philosophy of Mathematics session at the winter meeting of CMS.

  The Executive Council will recommend all the aspects to the membership.

- A nominating committee of three is required. Volunteers will be solicited at the AGM.

3. **Proceedings book project:** Glen Van Brummelen reports that Springer has responded favorably and he and Michael Kinyon have submitted a formal proposal. The volume is to contain keynote addresses, perhaps to be supplemented by other papers. Royalties will be donated to CSHPM

4. **Proceedings Editors Report:** Antonella Cupillari, corresponding by e-mail, expects that the 2001 Proceedings will be mailed early in the summer. It will cost approximately $10.20 US to print each copy. Her university will pay $350 of that amount and, in addition, will pay for the mailing. She strongly urges a much earlier deadline for submission of papers to the editor. The Council decided that August 31, 2003 is appropriate.

5. **Bulletin Editors' Report:** Tom Drucker reports that more appropriate deadline will be set for submissions for future issues of the Bulletin in order to avoid conflict with the academic schedules of both editors. An interim issue of the Bulletin will be provided to members at the AGM because the issue contains the text of a motion to be voted on.

The meeting was adjourned.

Patricia Allaire (Secretary)

Philadelphia Area Seminar on the History of Mathematics (PASHoM)

For many years friends interested in history of mathematics from colleges and universities in and around Philadelphia would greet one another at national meetings with the question, "Why do we have to travel hundreds of miles to talk about our common interest in history of mathematics? Why don't we get together at home?" In the fall of 2000 David Zitarelli of Temple University and Paul Wolfson of West Chester University took the initiative, independently inviting people to colloquia at their institutions. At West Chester William Dunham of Muhlenburg College gave lively talk on some source material in November and in December at Temple Jim Stasheff talked about his experiences as a graduate student at Princeton in the 1950's.

These two efforts prompted Tom Bartlow to invite all interested persons to an organizational meeting at Villanova University in January 2001. There it was agreed to establish the Philadelphia Area Seminar on the History of Mathematics to share our common interest in history of mathematics, to encourage one another in our research efforts, and to offer a forum for reporting on work in progress. Rdiger Thiele, of Universitt Leipzig, who happed to be in town at the time, attended, offered us encouragement, and spoke informally about his investigation of Hilbert's twenty-fourth problem. He continues to claim status as the only foreign associate of PASHoM.

Since then the seminar has met monthly, with interruptions in December and for summer. There are no officers or formal structure but David Zitarelli and Tom Bartlow have voluntarily assumed responsibility for necessary arrangements. The meetings are informal, beginning at 6 p.m. with a light meal, followed by the speakers presentation (usually about an hour). There are typically a dozen or so in attendance.

We have been fortunate that several well known historians of mathematics have had other business in Philadelphia and have spoken to us while in town and that others have been willing to travel at their own expense to share their research with us. Here is the record of our meetings.

2001:

02/15 Fr. Homann, S.J., St. Joseph's University, "Mathematical History of Surveying"

03/15 Brief work-in-progress reports by members

04/26 Paul Wolfson, West Chester University, "How Relativity Changed Invariant Theory"

09/20 Alan Gluchoff, Villanova University, "Close-to-Convexity: An Episode in Function Theory, 1915-1952"

10/25 Tom Foley, St. Joseph's University, "The Golden Ratio in Physics – Revisited"

11/30 Robert Bradley, Adelphi University, "The Euler - d'Alembert Correspondence and Complex Logarithms"

2002:

01/22 Joel Goldstein, "A bridge over troubled waters: Evidences of Christianity courses at dissenting academies and the emergence of rational dissent, 1729-1798"

02/24 George Rosenstein, Franklin and Marshall College, "Granville: The Man and His Book"

03/21 Alan Gluchoff, Villanova University, "Thomas Gronwall"

04/25 "Research-in-progress by four Temple graduate students"

09/19 William Dunham, Muhlenberg College, "Volterra and pathological functions from 19th Century analysis"

10/24 Robert Jantzen, Villanova University, "The Princeton Mathematics Community of the 1930's: An Oral History Project"

11/21 Paul Halpern, University of the Sciences in Philadelphia, "History of Dimensionality"

2003

01/23 Eleanor Robson, All Souls College (Oxford University), "Mesopotamian Mathematics: Tablets at the University of Pennsylvania Museum"

02/26 John Dawson, Pennsylvania State University, York, "Twenty years of Gödel studies in retrospect"

03/20 Frederick A. Homann, S.J., St. Joseph's University, "Combinatorial Theory in Boscovich's Mathematics"

04/24 Thomas L. Bartlow, Villanova University, "Mathematics and Politics: The Apportionment Debate of 1920-1940"

05/22 Amy Shell-Gellasch, United States Military Academy - West Point, New York, "Descriptive Geometry in the New Nation: West Point 1817-1870"

The seminar will resume in the fall with a talk by Frederick W. Hartman of Villanova University on "Apollonius Ellipse and Evolute Revisited" on September 18 and a talk by Amy Ackerberg-Hastings on October 23. Meetings are at Villanova University, usually on the third Thursday of the month. The schedule is posted at http://www66.homepage.villanova.edu/-thomas.bartlow/history/PASHoM.htm. To be placed on the email list for notification send information to:

thomas.bartlow@villanova.edu

Tom Bartlow

The Pohle Colloquium

The 2003-2004 roster for The Frederick V. Pohle Colloquium Series on the History of Mathematics features speakers whose names are familiar to CSHPM: Ivor Grattan-Guinness, Hardy Grant, Dan Curtin, Joe Dauben, Bruce Burdick, Sylvia Svitak, and Andrea Bréard. The series, now in its sixth year, is organized by Pat Allaire and Rob Bradley. We meet on the first Wednesdays of October through May (excluding January) at Adelphi University in Garden City, NY.

Check out our website at

http://www.pohlecolloquium.org.

There you'll find titles and abstracts, contact information. And, if you cant travel to Adelphi, there are links to digital videos of most talks since May 2001.

Pat Allaire

Annual AMS/MAA Meeting in Phoenix, AZ

The following is a list of the events at the joint Meetings inPhoenix that pertain to the history of mathematics.More information can be found on the MAA or AMS websites.

- Monday 5 January and Tuesday 6 January: MAA Short Course "The History of Mathematical Technologies: Exploring the Material Culture of Mathematics", organized by Amy Shell-Gellasch and Glen Van Brummelen.(NOTE: you must pre-register for this course.)

- Wednesday 7 January, 8:00-11:00: MAA session on "Teaching a History of Mathematics Course," organized by Joel Haack and Amy Shell-Gellasch.

- Wednesday 7 January (early evening) and Friday 9 January (afternoon): MAA minicourse on "The Mathematics of Leonard Euler," organized by Bill Dunham

and Ed Sandifer. (NOTE: you must pre-register forthis course.)

- Wednesday 7 January, 3:20: AMS Invited address, Bill Dunham, "Selections from the Calculus Museum."

- Thursday 8 January, morning: MAA session on "Truth in Using the History of Mathematics in Teaching Mathematics," organized by Victor Katz and Eisso Atzema.

- Thursday 8 January, afternoon: MAA session on "The History of Applications in Teaching Undergraduate Mathematics: 1950-2000," organized by Joseph Malkevitch and Walter Meyer.

- Thursday 8 January, evening: Invited address by Robin Wilson.Title and time TBA.

- Friday 9 January, 6:00-8:30 (*this is a change in date*), room 43 PCC: HOM SIGMAA Annual Meeting.See attached description for the events planned for this meeting. We will have light snacks and a cash bar.

- Friday 9 January and Saturday 10 January, all four sessions: AMS Special Session on the History of Mathematics, organized by Joseph Dauben and David Zitarelli.

Program for MAA Session on Truth

The final program for the MAA session on "Truth in Using the History of Mathematics in Teaching Mathematics," organized by Victor Katz and Eisso Atzema was as follows:

8:00-8:15 Jeffrey McLean: The Role of History: Student Motivation in the Mathematics Classroom

8:20-8:35 Matthew Pascal: The truth hurts - Using ancient astronomical models in the mathematics classroom

8:40-8:55 Florence Fasanelli: Benjamin Banneker's Life and Mathematics: Web of Truth?

9:00-9:15 Fred Rickey: Tell the Truth, Tell Nothing But the Truth, But Whatever You Do, Don't Tell the Whole Truth

9:20-9:35 Rob Bradley: Accounting for the Phenomena - Newton's Laws Come of Age

9:40-9:55 Mohammad Moazzam: Who really created the "Pascal's" Triangle?

10:00-10:15 Judy Grabiner: Dispelling Myths while Promoting Math

10:20-10:35 Stacy Langton: Who discovered Green's Theorem?

10:40-10:55 William Lindgren: The Flatland Myth

11:00-11:15 Tom Drucker: Truth and Justification in the Use of History of Mathematics in the Mathematics Classroom

11:20-11:35 Michael Bosse: The Effects of the Non-Euclidean Revolution on the Notion of Truth in the Sciences and Culture

11:40-11:55 Bruce Burdick: In Search of the Real Juan Diez Freyle

Program for MAA Session on Teaching History

Here's the program for the MAA session on courses on the history of mathematics that took place on Wednesday, 7 January 2003:

8:00-8:10 Alexander F. Kleiner: Writing Assignments for the History of Mathematics

8:15-8:25 Robert G. Stein: It's a Math Course After All

8:30-8:40 Arthur Gittleman: A Problem Solving Approach to the History of Mathematics

8:45-8:55 Ze'ev Barel: Mathematics in a Global Context - A Liberal Arts Course

9:00-9:15 Cheri L. Boyd: Engaging Students in the Lives and Work of Famous Mathematicians

9:20-9:35 Barnabas B. Hughes: History of mathematics for Future Secondary School Teachers

9:40-9:55 Patricia R. Allaire: Maximum History with Minimum Mathematics

10:00-10:10 Thomas Drucker: History of Mathematics Throught the Evolving Community of Mathematicians

10:15-10:25 Elizabeth C. Rogers: History of mathematics: Development of a Course for Secondary Teachers

10:30-10:40 Herbert E. Kasube: A Seminar Approach to the History of Mathematics

10:45-10:55 Agnes E. Kalemaris: Getting to Know You

New Members

Congratulations to the following new members who have joined the society since our last Bulletin. We look forward to your contributions.

Alain Bernard
Paris, France
alainguy.bernard@wanadoo.fr

Otavio Bueno
University of South Carolina
Columbia, SC,
obueno@sc.edu

Jean Pierre Dionne
Old Saybrook, CT
jean.dionne@pw.utc.com

Elana Geller
Talbot College
University of Western Ontario
London, ON
egeller@uwo.edu

Andre Lebel
Champlain-St. Lawrence College
Sainte-Foy, QB
alebel@slc.qc.ca

Dennis Lomas
Charlottetown, PEI
DenLom8@aol.com

Kim Plofker
Brown University
Providence, RI
Kim_Plofker@Brown.edu

From the Editor

It is necessary once again to start with an apology for the tardiness of the appearance of this issue. The state of Wisconsin has managed to deal with its budget deficit by imposing additional teaching loads in the fall semester of each year, and this last fall was their first experiment with this new and original plan. As a result, one of your editors picked up his red pen at the beginning of September and put it down again in the middle of December without much of

an interval for other activities. Amy Shell-Gellasch and Pat Allaire are especially to be thanked for the promptness in getting in reports and details about upcoming history events. There were also some submissions that belonged in this issue that did not give much room to spare. The faint glimmer of hope of getting the issue out before year's end and the annual meetings in Phoenix disappeared.

The history sessions at the Phoenix meeting were well attended, and there was a good deal of informal discussion about the joint meeting with the British Society for the History of Mathematics in Cambridge in July. The news, in particular, is that the Canadian Society is well represented among the list of speakers so far, which attests (a fortiori) to a sizable contingent of members from this society's planning to make the trip to Cambridge. Please note the material connected with this meeting in the current issue, especially in view of the early date at which rooms in Cambridge colleges can fill up for dates in the summer.

Because of the cancellation of a domestic annual meeting for the society (that would usually have been held in May, if meeting with the Learned Societies), there is a little more room for leeway for the appearance of the spring issue. It is our hope to have it in the hands of readers in May, which should offer plenty of time for reading and digesting before travelling to Cambridge. Thanks are due to John Earle for having done so much to make the joint meeting possible by arranging the details of accommodation. The accompanying materials about the meeting are only an approximation to what John put together, but they should be inducement enough to observe part of Sherlock Holmes's 150th birthday in the heart of a university that he may or may not have attended.