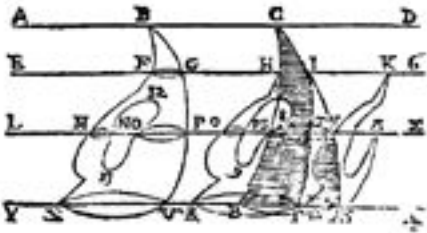


BULLETIN

CSHPM



SCHPM

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

ISSN 0835-5924

ABOUT THE SOCIETY

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

President: **Robert Bradley**, Adelphi University, Garden City, NY 11530, USA, bradley@adelphi.edu

Vice-President: **Maria Zack**, Point Loma Nazarene University, San Diego, CA 92106, USA, MariaZack@pointloma.edu

Secretary: **Patricia Allaire**, 14818 60th Ave., Flushing, NY 11355, USA, PatAllaire@gmail.com

Treasurer: **Craig Fraser**, University of Toronto, Toronto, ON, M5S 1K7, CAN, craig.fraser@utoronto.ca

Past President: **Nicolas Fillion**, Simon Fraser University, Burnaby, BC, CV5A 1S6, CAN, nfillion@sfu.ca

Members of Council

Marion (Wendy) Alexander, Houston Community Colleges, TX 77002, USA, marion.alexander@hccs.edu

Cynthia Huffman, Pittsburg State University, KS 66762, USA, cjhuffman@pittstate.edu

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Valérie Lynn Therrien, McGill University, Montreal, QC H3A 0B9, CAN, vtherri@uwo.ca

Volunteer Positions

The Society's Web Page (www.cshpm.org) is maintained by **Eisso Atzema**, University of Maine, Orono, ME 04469, USA, eisso.atzema@maine.edu; he also manages the Society's Archives. CSHPM *Annals* volumes are edited by **Maria Zack** (see above) and **David Waszek**, Montréal, QC, H2H 2C9, CAN, david.waszek@posteo.net. The *Bulletin* is prepared by Content Editor **Amy Ackerberg-Hastings**, Rockville, MD 20851, USA, aackerbe@verizon.net, Layout Editor **Eisso Atzema** (see above), and Production Editor **Maria Zack** (see above). **Amy Ackerberg-Hastings** (see above) and **Nic Fillion** (see above) edit the CSHPM Notes column for *Notes* of the Canadian Mathematical Society.

Nic Fillion is also serving as CMS Liaison.

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

President's Message

Fifty years!

The CSHPM celebrated its first half century at this summer's Annual General Meeting (AGM) in Montreal. We also celebrated the next generation of scholars, who will help usher us through our second half century.

The 2024 AGM was anything but ordinary. As we often do, we met in conjunction with the Federation for the Humanities and Social Sciences, also known as "The Learned's" to some of our members of longer standing. Congress 2024 was scheduled to take place at McGill University in mid-June. However, as the academic year drew to a close, McGill was beset with a couple of thorny issues. There were both activist encampments, protesting the war in Gaza, and a strike by the Association of McGill Professors of Law, which began on April 24. As our meeting dates drew closer, it was not clear where and how Congress 2024 would take place.

The CSHPM was incredibly fortunate to have Maria Zack arranging the programme and Jean-Pierre Marquis handling the local arrangements. Jean-Pierre made arrangements with the Université de Montréal for us to use one of their conference rooms, along with other facilities, in their *Faculté de l'éducation permanente*, just off Chemin de la Cote-des-Neiges in the shadow of St. Joseph's Oratory. It was a minor inconvenience for those who had booked dorms or hotel rooms near McGill, but it was also an opportunity for members to explore the Metro or take the 165 bus on its picturesque route over Mont-Royal.



Figure 1: Presidents' Panel

The meeting began with a panel discussion of past CSHPM presidents, moderated by Maria. I was honored to join Robert Thomas and Glen Van Brummelen. This brief look back was complemented by Amy Ackerberg-Hastings's survey of the CSHPM's various publications since 1974. The remainder of Day 1 was devoted to this year's Special Session: Looking Ahead. Eight early-career philosophers and historians shared their exciting research with us on that beautiful early summer day.

I want to make a special mention of our new Past President, Nicolas Fillion, and thank him for his service as Vice President (2020–2022) and President (2022–2024). Nic joined the executive just as Covid was turning our world upside down. He was responsible for starting the CSHPM Online Colloquium, which launched in July 2020 with a talk by Karine Chemla. The Online Colloquium kept our community together through some difficult years, in which one AGM was cancelled and two others were held mostly remotely. Nic also brought us back to fully in-person meetings with the very successful AGM at York University in conjunction with Congress 2023.

I want to thank Maria Zack, not only for her herculean efforts in keeping the 2024 AGM on track, but also for becoming our new Vice-President.

We are now looking forward to the 2025 AGM. Once again, we'll be meeting with the Federation for the Humanities and Social Sciences. The meeting will be held in Toronto at George Brown College. Our local arrangements coordinator is Craig Fraser. Just recently he reported that our meeting dates will be May 31–June 2.

With high hopes and best wishes for CSHPM's second half century,

Rob Bradley

2024 AGM Group Photo

Several attendees expressed interest in establishing a tradition of a group photo at CSHPM annual meetings; the photo accompanying this article was the result. The 2025 organizers are reminded to include a slot on the schedule for picture-taking. Left to right: Jean-Pierre Marquis, Jean-Charles Pelland, Eisso Atzema, Gregg De Young, Maria Zack, Craig Fraser, Greg Lavers, Larry D'Antonio, Glen Van Brummelen, Nic Fillion, Stela Segev, Andrew Perry, Elaine Landry,

Conny Kneiling, Wendy Alexander, Valérie Lynn Therrien, Bradley Dart, Francisco Martiínez-Avinña, Jared Ifland, Ruigang (Paul) Xu, Koray Akcaguner, Patricia Marino, Amy Ackerberg-Hastings.

2024 Election Update

On July 22, Janet Heine Barnett resigned as the 2024–2026 Vice-President for health reasons. (She is slowly but surely on the mend, and she sends thanks to the Society for its well wishes and support.) The 2024 Nominating Committee, comprised of Tom Drucker, Greg Lavers, and Zoe Ashton, graciously went beyond its term of service to identify a replacement. Maria Zack was available and willing to serve, so as per Article IV, Section 6 of CSHPM's bylaws, the Executive Council appointed her to the position in early September. Because her appointment will expire at the end of the 2025 Annual General Meeting, the Council will bring a motion to Toronto asking the membership to approve her appointment through the 2026 AGM, at which time the next Executive Council will assume their roles following the 2026 elections.

A hearty thanks to Maria for not only adding another CSHPM hat to those she already wears but also taking the office that further involves running for a 2026–2028 term as president. As you will see in the meeting minutes that appear elsewhere in this *Bulletin*, CSHPM is a relatively small society with a large number of retirees, so every two years nominating committees are faced with the challenge of recruiting Council members from a group that additionally tends to have busy schedules. Officers based in Canada are always especially desirable. It is not too early to start thinking about whether this is a way that you can serve the Society. Please feel free to contact any of the current members of the Council (they are listed on p. 2) to ask for more information about what's involved. The workload for most positions is fairly light, as these things go.

Joint Math Meetings in Seattle

A number of events in history and philosophy of mathematics have been planned for the Joint Mathematics Meetings, to be held in Seattle, Washington, January 8–11, 2025. More information can be found on the conference website: jointmathematicsmeetings.org.



Figure 2: Most of the participants in the 2024 Annual General Meeting at Université de Montréal.

org.

Wednesday, January 8

- 10:30–12:00: JMM Panel on The 1988–91 AMS “Computers and Mathematics” Initiative to Promote and Support the Use of Computers in Research & Education—And What Followed, organized by Keith J. Devlin.

Thursday, January 9

- 13:00–17:00: NAM Special Session on the Legacy of Elbert Frank Cox: First African American PhD in Mathematics, organized by Asamoah Nkwanta and Edray Herber Goins.

Friday, January 10

- 8:30–10:00: AWM Workshop: EvenQuads Translate-a-Thon (to prepare Spanish versions of the women in mathematics card decks), organized by Oscar Vega, Xavier Ramos-Olive, and Monica D. Morales-Hernandez.
- 10:00–10:30: “Use of Generative AI in a History of Mathematics Class,” presented by Andrew G. Bennett, in AMS Special Session on SoTL: Connecting Generative AI and Scholarly Inquiry to Improve Teaching and Learning, I, organized by Jacqueline M. Dewar, Lewis D. Ludwig, Curtis D. Bennett.
- 13:00–18:00: AMS Special Session on History of Mathematics, I, organized by Victor J. Katz, Deborah Kent, Elizabeth Hunter, and Sloan Evans Despeaux.
- 15:30–17:00: “The Relevance of History in Mathematics Education: An Analysis Concerning the Relation of Teaching Math History and the Success Levels of Students in the Classroom,” written and presented by Corban Harwood, Caden Scott Hildenbrand, and Sarah Kerrigan, in AMS–PME Undergraduate Student Poster Session, II.
- 17:45–18:45: POMSIGMAA Guest Lecture by Dr. Rajesh Kasturiragan, organized by Steven M. Deckelman and Bonnie Gold.

Saturday, January 11

- 8:00–12:00: AMS Special Session on History of Mathematics, II.
- 13:00–17:00: AMS Special Session on History of Mathematics, III.
- 13:30–14:00: “‘I can only add and subtract them...’,” presented by Jeff Suzuki, in AMS Special Session on Take the i Road: Welcoming Complex Numbers

and Viewpoints Across the Undergraduate Curriculum, II, organized by Paul Zorn and Bob Sachs.

- 15:00–15:30: “A Brief History of Hypercomplex Numbers,” by Joel A. Shelton, in AMS Special Session on Quaternions, II, organized by Chris McCarthy, Johannes Familton, and Terrence Richard Blackman.

Modern History of Mathematics

In early 2025, the Isaac Newton Institute for Mathematical Sciences in Cambridge, UK, will hold its very first research programme on the history of mathematics. At the heart of this four-month programme is the theme of “diversity of people, context and content”: looking beyond the “big names” to the broader communities of people who have been engaged in mathematical research; considering mathematical contexts beyond academia, such as government and industry; exploring new methods in the history of mathematics in different cultural settings; and investigating mathematical innovation and impact beyond mathematics itself. Research topics will include 20th-century developments in algebra (e.g., the history of the classification of finite simple groups), topology (e.g., work on 3-manifolds), dynamical systems (e.g., topological dynamics), and the contribution of mathematics to developments in computer and data science, taking into account the circulation of ideas in understudied communities such as those in Eastern Europe and China.

The opening workshop, subtitled “Emerging Themes”, takes place 20–24 January 2025 and will feature experts from several different areas of the discipline addressing what they consider to be the most significant open question, or lacuna, in their individual areas of the history of mathematics. Speakers will be encouraged to outline the background to their chosen question or lacuna, describe the challenges that lie ahead for current research, suggest some possible strategies and approaches that could be applied, and possibly speculate on potential or anticipated findings. The resulting topics and ideas may then be developed throughout the programme in subsequent seminars, mini-workshops and collaborations. This workshop is open to the public, subject to registration and available space. The deadline for registering to attend was 22 September 2024.

The programme’s closing workshop, “Looking Ahead”, will run from 28 April to 2 May 2025. This work-

shop will invite speakers to reflect upon the themes of the preceding four months, to suggest possible avenues and directions of further research, and in particular to suggest practical ways in which these might be taken forward. There will also be opportunities for the presentation of research undertaken during the programme itself, together with ideas generated over the preceding weeks, and the discussion of new questions and problems. The goal of this closing workshop is to ensure that the projects and collaborations sparked in Cambridge extend beyond the end of the programme. Outside scholars may also register to attend this workshop. The deadline for registering for the second workshop is 29 December 2024. Please visit www.newton.ac.uk/event/mhmw02/.

In addition to the two main workshops, the programme will also feature a series of seminars, which will be live-streamed.

The overarching aim of the Modern History of Mathematics programme is to broaden, deepen, and accelerate current research in the history of mathematics, to enable new perspectives and collaborations among participants and beyond, and to stimulate new research, outreach, and impact, especially through unexpected synergies and insights emerging within and across our key themes.

June Barrow-Green, Troy Astarte, Christopher Hollings, & Adrian Rice

Convergence is Moving

As you may be aware, the MAA launched a new, smaller website in May 2024. All of *Convergence*'s articles and features are now temporarily located at old.maa.org/press/periodicals/convergence. As a general rule of thumb, any *Convergence* URL can be found on the temporary website by replacing the prefix “www” with “old”. For example, the Index to Mathematical Treasures is available at old.maa.org/press/periodicals/convergence/index-to-mathematical-treasures. The MAA plans to keep all of *Convergence*'s temporary URLs live for the next year, until July 2025.

Because the previous website was expensive as well as unwieldy, the MAA intends to be selective about which materials are added to the new website. *Convergence* in its current form will not be returning to www.maa.org, although you can access a journal homepage that connects to the temporary website at

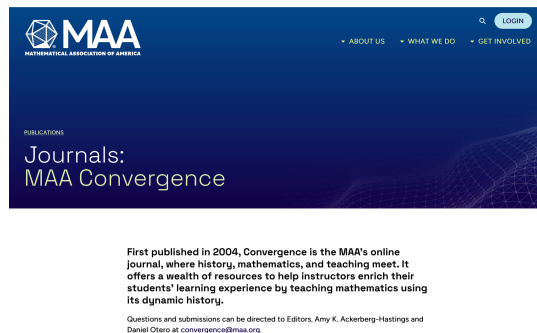


Figure 3: MAA’s new website

maa.org/publication/convergence/. Instead, *Convergence* will live on in a new permanent location. When the MAA and Taylor & Francis (T&F) renewed their agreement to publish the suite of MAA journals in June 2024, both entities agreed to add *Convergence* to the portfolio. Sometime in 2025, new submissions will be directed to T&F’s ScholarOne submission portal, and new articles will be formatted and published within T&F templates. (If you are interested in seeing what this new look might be like, check out *Scatterplot*, the MAA’s other online refereed journal.) The *Convergence* editorial board will retain control of publication decisions and work directly with authors on revising submissions. In addition, all of the existing legacy content that *Convergence* has amassed over 21 years of existence—articles, series, and Mathematical Treasures—will be converted to PDF format and uploaded into our new home at T&F.

As a T&F journal, *Convergence* content will be freely available to MAA members and to readers whose institutions subscribe to the appropriate T&F journal package. We realize that it is not ideal for *Convergence* to become a subscription journal, since it has been available through open access for all readers since its founding. However, editors will be able to select collections of articles to offer freely to all for limited periods of time, in the same way that MAA has made available “Virtual Special Issues” across all of its journals for the past few years. Authors will also be able to choose to publish open access according to T&F’s system of charges.

In the meantime, in addition to working on the move to T&F, *Convergence* is continuing to receive submissions at convergence@maa.org and to publish new material. Recent additions include Ximena Catepillán’s translation into Spanish of Cynthia Huffman’s

and John C. D. Diamantopoulos's 2013 article, "Geometría Maya en la Sala de Clases," and the four winning papers from HOM SIGMAA's 2024 Student Paper Contest.



Figure 4: Maya stele

The TRIUMPHS team has also added another mini-Primary Source Project (mini-PSP) to the "Series of Mini-projects from **TR**ansforming **I**nstruction in **U**ndergraduate **M**athematics via **P**rimarily **H**istorical **S**ources," "A Compact Introduction to a Generalized Extreme Value Theorem: A Mini-Primary Source Project for Topology Students," by Nicholas A. Scoville. Finally, Mike Molinsky has added the following entries to his "Quotations in Context" series: Niels Henrik Abel, Augustus De Morgan, Leonard Dickson, Carl Jacobi, a second essay on Plato, and Henry David Thoreau.



Figure 5: Dickson, De Morgan, Abel

If you have questions about *Convergence's* transition,

or if you have completed a manuscript that uses history to teach mathematics that you would like to share with readers, please contact us at the above email address. We also expect to soon be soliciting volunteers to help with converting the hundreds of articles in our backlog.

Daniel E. Otero & Amy Ackerberg-Hastings

AGM of CSHPM/SCHPM

The Annual General Meeting of the Canadian Society for History and Philosophy of Mathematics took place at Université de Montréal, Montreal, QC, on June 16, 2024. The meeting was called to order at 12:44 pm EDT by Nic Fillion, President, with 21 members present.

Agenda for the General Meeting

1. Approval of agenda
2. Approval of minutes of 2023 AGM
3. Election results
4. Treasurer's report
5. Secretary's report
6. CSHPM Notes Editor's report
7. *Bulletin* Editors' report
8. *Annals* Editors' report
9. Webmaster's and Archivist's reports
10. CMS Liaison's report
11. Online colloquium report
12. Future meetings
13. Other business
14. Adjournment

1. The agenda for the general meeting was approved.
2. Minutes from the 2023 AGM were accepted as printed in the November 2023 *Bulletin*.

3. Nic announced that 47 members cast votes and all of the candidates for election to the 2024–2026 Executive Council were elected:

Robert E. Bradley, President
 Janet Heine Barnett, Vice President
 Patricia Allaire, Secretary
 Craig Fraser, Treasurer
 Marion (Wendy) Alexander, Council
 Cynthia Huffman, Council
 Jemma Lorenat, Council
 Valérie Lynn Therrien, Council

Nic thanked everyone for their willingness to serve and expressed appreciation for outgoing Council members Jean-Pierre Marquis and Amy Shell-Gellasch.

4. Craig Fraser thanked Jean-Pierre Marquis and Maria Zack for making such a smooth pivot from Congress at McGill University to meeting at UdeM due to the ongoing strike of law faculty and student encampment. He noted that the 2023 financial statements appeared in the May 2024 *Bulletin* and that the Society has a good cushion of \$54,000 in assets.

There was one hiccup this year when PayPal stopped communicating with the Secretary, but that has been straightened out. A member asked whether there was an update on former Treasurer David Orenstein's health, but no one has heard from him since he entered a hospital for stroke patients over a year ago. It was also pointed out that some of the large bills (Federation dues, publication subscriptions) arrive irregularly and are sometimes paid in a different calendar year.

5. On behalf of Patricia Allaire, Nic presented comparative membership data for 2023 and 2024. Please refer to the CSHPM Executive Council Minutes in this issue of the *Bulletin* for the data. Although membership is steady, Nic encouraged members to continue to bring students and early-career scholars to meetings.

6. See the minutes of the Executive Council for Amy Ackerberg-Hastings's written report. Nic has tentatively agreed to co-edit the column with Amy. Craig asked whether Amy was still considering preparing an edited volume of past columns; Amy responded that she has not yet approached CMS for permission and has put the project on her back burner, given everything else that has happened with the column and her other editorial responsibilities (e.g., *MAA Convergence*) in the past year.

7. See the minutes of the Executive Council for the editors' written report. Amy presented a job description for the Content Editor but noted that, while she is technically still serving as Interim Content Editor, the reduction in workload means that she has no objection to continuing for the time being.

Several members discussed the pros and cons of including book reviews in the *Bulletin*; Amy pointed out:

- that publishers are increasingly unlikely to send out copies for review;
- that she will pursue reviews by request (e.g., of a book published by a member); and
- that a separate book review editor would be needed if book reviews were to form a significant part of the *Bulletin*.

8. Maria's written report can be seen in the Executive Council Minutes. At the AGM, she noted that the publication process is inherently slow, but she has worked with Birkhäuser to make improvements after the many problems experienced during preparation of the 2021 volume. For instance, she and David are re-editing the proofs after authors have seen them, and Birkhäuser is restricting the activities of the typesetters. Birkhäuser has also developed a Microsoft Word template for authors. The 2023 volume should be published in late 2024 or early 2025.

Maria asked members to provide suggestions for papers from the *Proceedings*, 1988–2013, that might be suitable for the larger audience of the *Annals*. Rob asked whether May Lectures from those volumes would be eligible for republication, and Glen Van Brummelen responded that most of the lectures given through 2005 were included in *Mathematics and the Historian's Craft* (2005).

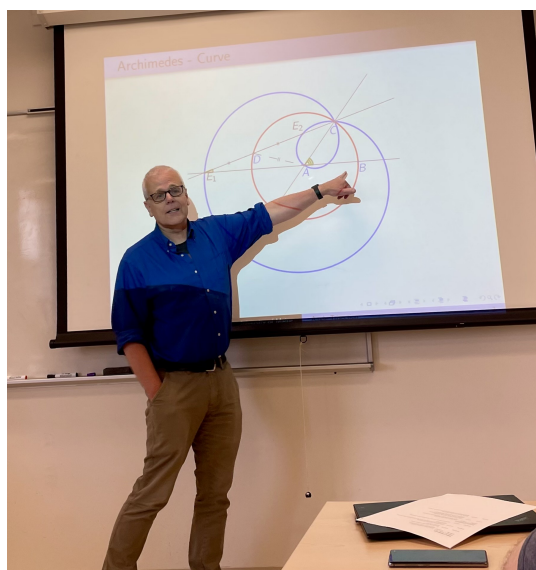


Figure 6: Eisso Atzema

9. In addition to the points raised during the Executive Council meeting, Eisso mentioned that many archival items (full issues of the *Proceedings*, early correspondence) were scanned by previous archivists. He is starting to make those materials available by password by request. He noted that the archives also hold nearly-complete sets of membership and meeting participant lists. He asked members to send in photos that could be added to the archives.

Bernd Buldt asked whether it could be a standard practice to take a group photo at each AGM. A 2024

photo was taken at the end of the June 16 sessions. A copy appears elsewhere in this *Bulletin*.

10. Nic and Tom Archibald will organize a session on History and Philosophy of Mathematics at the Winter Meeting of the CMS, which will be held in Vancouver, BC, November 29–December 2. Nic commented that the work of the CMS Liaison only involves organizing this (ideally-annual) session and attending a CMS board meeting; he is willing to pass the position on to a new volunteer.

11. Nic reported that the 4 talks this year went well, but he would like to offer more history talks as the balance has been tilted toward philosophy. Greg Lavers will be taking over organizing the philosophy component; Rob said he was willing to help with history talks and that Jemma had said at the Executive Committee meeting that she is willing to identify speakers but does not want full co-organizing responsibility. In response to a question, Nic said that the series to date has included 30 presentations and that it continues to attract potential new members.

12. CSHPM will meet with Congress 2025 at George Brown College in Toronto, May 30–June 5. Craig will serve as local organizer. Notre Dame philosopher Patricia Blanchette and “conceptual change in mathematics” were proposed as a possible May Lecturer and special session theme by Amy and Nic. Nic agreed to serve as special session organizer and to invite Blanchette. Bernd suggested “decolonization and mathematics” as a back-up theme. Amy and Rob volunteered to organize the general session.

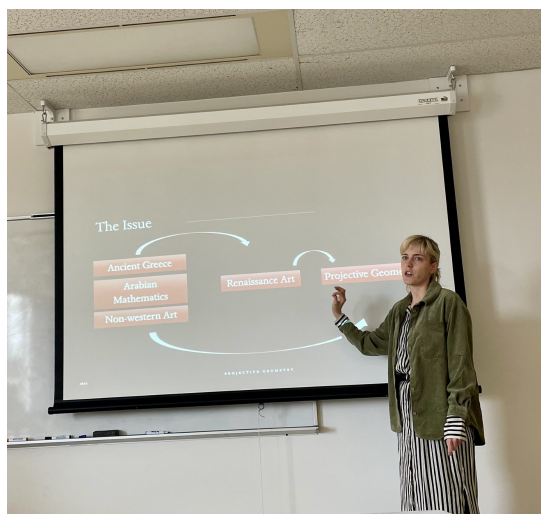


Figure 7: Conny Knieling

Very briefly, it was noted that it is CSHPM’s turn to host BSHM for a joint meeting and that MAA Math-Fest 2026 is in Boston and might be a possibility for hosting the joint meeting.

13. Glen asked members to send him nominations for the MAA’s Euler Book Prize.

Rob assumed the chair as President and thanked Nic for his service as President, CMS Liaison, and founding organizer of the Online Colloquium.

14. The meeting was adjourned at 1:40 pm EDT.

Amy Ackerberg-Hastings, for Patricia Allaire, Secretary

CSHPM/SCHPM Executive Council Meeting

The meeting of the CSHPM/SCPHM Executive Council was held virtually via Zoom on May 28, 2024. The following members were present: Amy Ackerberg-Hastings, Patricia Allaire, Robert Bradley, Nicolas Fillion, Craig Fraser, Greg Lavers, Jemma Lorenat, Jean-Pierre Marquis, Andrew Perry, David Waszek, and Maria Zack. Nic Fillion, President, called the meeting to order at 1:10 pm EDT.

The agenda for the meeting was approved, and minutes from the 2023 Executive Council Meeting were accepted as printed in the November 2023 *Bulletin*.

Last-Minute Adjustments to the 2024 AGM: Maria Zack reported that the strike at McGill continues, and there is no expectation that it will be settled before our meeting date. If we decide to pull out of Congress, we must do so this week to avoid a financial loss to the Society.

Jean-Pierre has arranged for a meeting room for 40 people at Université de Montréal. If necessary, Maria can rearrange the schedule of talks to Saturday and Sunday only. However, Jean-Pierre thinks he can get the room for Monday as well. He will be able to confirm no later than tomorrow morning, at which time Maria will cancel with Congress. [Note: later in the day, Jean-Pierre confirmed that we would be able to have a 3-day meeting as originally planned.]

There are “passes” available so that members who are staying in the McGill dorms will be able to access the campus without crossing picket lines. Maria will arrange for these. The Montreal Fringe Festival is taking place at the same time, so there are few hotel



Figure 8: Jean-Pierre Marquis

rooms still available.

Maria will make arrangements for graduate students with grants from the Federation so that they may pick up their checks.

Because there will be no food served at the AGM, a lunch break will precede the meeting.

Treasurer’s Report: Craig Fraser reminded the Council that the 2023 financial report appeared in the May 2024 *Bulletin*. He noted that PayPal had changed its policy about notifying the Treasurer and the Secretary when payments are made. After many long discussions, Craig was able to rectify the situation so that both people will receive fully-detailed notifications. Craig also pointed out that David Orenstein, the previous Treasurer, made some wise changes to our investments and thus improved our financial situation.

Secretary’s Report: Pat presented comparative membership data for 2023 and 2024 (please note that the 2023 data was updated from last year’s report to include members who joined after the 2023 Executive Council Meeting):

	2023	2024
Total Members	148	146
Members By Address or Organization		
Can	40	40
US	83	80
Other	21	20
BSHM	18	22
CSHPS	4	9
Members By Status		
Active	66	59
Retiree	40	37
Student	14	12
Developing Nations	5	3
Unemployed	1	3
Student Associate	1	0
Unknown	21	31
Members by Pay Method		
Online	112	109
Snail Mail	13	5
Recipr. Members	22	31
Complimentary	2	1
New Members	16	15
Reciprocal Memberships		
To BSHM	44	35
To CSHPS	21	16
Journal Subscriptions		
<i>Historia</i> (paper)	29	27
<i>Historia</i> (electr.)	5	3
<i>Philosophia</i>	10	9
<i>SCIAMVS</i>	3	3
Proceedings/Annals		
Federation	1	1
Hardcover	29	16
Electronic	6	7
Bulletin		
Paper	20	16
Donations		
No. Donors	12	17
Amount	CDN736.20	CDN1080.93

Pat pointed out that there is some overlap of members in the “by address or organization category” and that the status of reciprocal members from BSHM and CSHPS is not known. She also noted that the number of members has remained steady, unlike many other organizations. The number of members requesting reciprocal memberships, journals, and/or the *Annals* has gone down, perhaps because people are looking

to reduce expenses. For both years, some of the donations were made in US currency, but the amounts have been converted to Canadian dollars.



Figure 9: Craig Fraser

Pat thanked Craig for all of the time and work he put into resolving the PayPal issue. Since Pat was unable to attend the AGM, Amy Ackerberg-Hastings agreed to take minutes.

***Bulletin* Editors' Report:** Amy Ackerberg-Hastings presented the following written report: A huge thanks to Sylvia Nickerson for three stellar years of service as Content Editor, steering the *Bulletin* through the pandemic and adding new features that were intellectually stimulating. Production of the two issues that have appeared since Congress 2023 has gone smoothly for the Interim Content Editor. The editorial team is continuing to provide electronic distribution to all members and postal mail distribution to those members who request it when they renew their memberships. Thanks are due to the co-editors, Eisso Atzema (who also serves as Webmaster) and Maria Zack; the Secretary, Pat Allaire; all of our 2023 contributors; and the Executive Council for their roles in making the *Bulletin* a successful newsletter for our Society.

Given the ongoing difficulty with identifying a volunteer to serve as Content Editor, an *ad hoc* committee was formed during the 2023 Executive Council Meeting. Members included: Amy Ackerberg-Hastings, Eisso Atzema, Nic Fillion, Sylvia Nickerson, Andrew Perry, and Maria Zack. The committee had discussions via email in July, September, and October 2023 and held a Zoom meeting on 16 October 2023. A survey was conducted via Google Forms throughout September 2023, receiving 27 responses that expressed a general satisfaction with the current content and

structure of the *Bulletin*. Brief articles on trends in the history or philosophy of mathematics are read by 77.8% of respondents, and the Announcements column is read by 74.1% of respondents. The only type of article not being offered at present that was requested by respondents was book reviews. If members want this feature to appear regularly, a Book Review Editor will be needed. Also, publishers are reluctant to send books for review unless they are certain a review will be published in a source that has wide circulation.

Despite the survey results, the Committee concluded that Announcements and Book Reviews comprise the most labor-intensive sections of the *Bulletin* and are likely discouraging potential candidates for Content Editor from stepping forward. Thus, the Interim Content Editor was directed to discontinue the Announcements column and share announcements via the Society e-list and/or the Society's Facebook page as they arrive in her inbox. This task could continue to be done by the Interim Content Editor even after a new Content Editor is found. The possibility of hiring an employee to edit the *Bulletin* and possibly do other Society tasks was raised at the 2023 AGM, but the Committee found the Society's financial reserves insufficient for funding a long-term stipend. The Committee instructed the Interim Content Editor to continue to seek out ways of reducing or dividing the workload, and it expressed a desire for the Executive Council to conduct a broader review of the Society's goals and volunteer roles so that its services remain sustainable in the future.

Per the CSHPM by-laws, the Committee terminates at the 2024 AGM unless a majority of members vote for it to continue. Committee members will not be bringing a motion for continuance to the floor. The Content Editor job description will be shared at the 2024 Executive Council Meeting and AGM. The next deadline for *Bulletin* submissions is 1 October 2024; please send contributions to aackerbe@verizon.net. The Council agreed that the committee is no longer required, and it expressed interest in making an effort to enlist newer members for the various editorial positions.

CSHPM Notes Editor's Report: Amy then shared the following written report for CSHPM Notes: The major event of 2023 was the death of founding co-editor Hardy Grant, which was unexpected despite his relatively advanced age. I miss his editorial exper-

tise and cheerful collaboration very much, although I think we have put out some quite good columns in the months I have been working alone. Nonetheless, two pairs of eyes are better than one, and a co-editor would be desirable. I issued several invitations late last year and received one tentative commitment pending a transition in some of the candidate's other CSHPM responsibilities; I hope to have an update for the Council by Fall 2024.

By Congress 2024, 60 columns will have appeared as the product of 43 authors. Thirteen of these authors are women, and seven were students at the time of their first submission. Eight columns have had joint authors. Two members have prepared five individual and collaborative columns; one has provided four installments; four have written three pieces; and six members have authored two columns. Instructions for how to submit a column are on the CSHPM website and frequently repeated in publication announcements and at meetings. I sent personal invitations to at least eight CSHPM philosophers and students in December 2023 and January 2024, receiving a couple of commitments that I hope will appear by the end of 2024. I also commissioned a column on CSHPM's history to mark our 50th anniversary that was prepared by the amazing Mike Molinsky.

Annals Editors' Report: On behalf of co-editor David Waszek, Maria reported the 2022 edition of the *Annals* was printed in January 2024. After a difficult typesetting and production process for the 2021 volume, Maria was able to get Birkhäuser to assign us a different production team for 2022. Luckily, everything went relatively smoothly this time.

One issue that creates a few issues each year is Birkhäuser's L^AT_EX instructions and templates. The instructions are a bit unclear (especially with respect to bibliography styles) and the templates themselves regularly cause bugs and headaches for authors. We are working on improving this in the future. The 2023 volume is on track, and we are expecting it to come out in late 2024 or early 2025.

We expect the 2024 *Annals* to have a deadline of October 1, 2024. The call will be circulated after the meeting. As in the last few years, members will be able to submit a paper even if they did not present it at the meeting.

Maria suggested that we might consider including papers from the *Proceedings* in future volumes of the

Annals, perhaps 1 or 2 per volume. Original authors would need to be contacted for permission, and they might wish to revise their papers. PDF versions would be needed. The Archivist probably has many papers in that form. Council members offered back issues of the *Proceedings* if they are needed.

Craig said that he has a paper in an issue of the *Proceedings* that he thinks is suitable.

Webmaster's Report: Nic read the following written report sent by Eisso Atzema: Nothing much to report with regard to the maintenance of the website. A few minor issues occurred and were solved. Most of these issues were related to the setup of our online membership renewal because PayPal made some changes. There still is some unnecessary overlap of materials on the website and elsewhere on the CSHPM account that probably should be addressed. I did move our mailing lists out of the University of Maine Ecosystem and set up new lists with gaggles.email. What this achieved is that in order to manage the mailing list one does not need to be affiliated with the University of Maine System anymore. The new mailing lists also have more features and are easier to maintain. So far, there do not seem to be any issues with the transition. However, see the archivist's report for one consequence of our change to gaggles.email that needed to be addressed.

Archivist's Report: Nic then read Eisso's report on the Archives: The only request for materials that was made this year was in connection with the CSHPM Anniversary and the article on the history of CSHPM that will appear in the *CMS Notes*. I have continued to update the archives' inventory to include the most recent *CMS Notes*. Probably a bit more work is needed. One issue is the archiving of our mailing lists. Our new mailing list host does not let us archive messages that are older than three months. This is not a big deal as I know that at least some of you (not including me) hold on to all CSHPM exchanges. However, as a backup I set up an email account on the CSHPM server and subscribed this user account (*may@cshpm.org*—in case you are interested) to the mailing lists. In this way, we will have all exchanges on our server as well and I can archive them at any point. Last year I dropped the ball with regard to job descriptions for board members and I am hoping to make up for this sometime this year.

CMS Liaison: Nic and Tom Archibald will organize

a session on History and Philosophy of Mathematics at the Winter Meeting. It will be held in Vancouver, BC, November 29–December 2.

Online Colloquium Report: Nic remarked that there had been a few cancellations this year. The Council agreed that 4–6 talks per year is a good goal, ideally with 2–3 history talks and 2–3 philosophy talks. Greg Lavers will take over from Nic as a philosophy co-organizer. Nic noted that a co-organizer who is a historian is needed. Rob Bradley suggested that we might find a volunteer at the AGM. Nic pointed out that historians who could present at the colloquia could also be recruited at the AGM.

Future Meetings: Congress 2025 will meet at George Brown College, Toronto, May 30–June 5. MAA will meet in Sacramento, CA, and CMS will meet in Saskatoon, SK. At the AGM, the Council will recommend to the membership that we meet with Congress.

Craig remarked that George Brown’s downtown location is very convenient to transportation, etc. He agreed to be Local Arrangements Coordinator.

Other Business: Pat mentioned that the Nominating Committee had completed the slate of officers.

The meeting was adjourned at 2:30 pm EDT.

Patricia Allaire, Secretary

Quotations in Context

“The mathematician who pursues his studies without clear views of this matter, must often have the uncomfortable feeling that his paper and pencil surpass him in intelligence.”

In 1883, the Austrian philosopher and physicist Ernst Mach (1838–1916) published the work *Die Mechanik in Ihrer Entwicklung Historisch-Kritisch Dargestellt* (*Mechanics Critically Presented in its Historical Development*). A second edition, with only minor typographic corrections, was published in 1889, and an authorized English translation of the second edition appeared in 1893. Mach laid out the goal of the text in the preface to the first edition:

Vorliegende Schrift ist kein Lehrbuch zur Einübung der Sätze der Mechanik. Ihre Tendenz ist vielmehr eine aufklärende oder, um es noch deutlicher zu sagen, eine antimetaphysis-

che. Auch die Mathematik ist in dieser Schrift gänzlich Nebensache [Mach 1883, p. v].

The present volume is not a treatise upon the application of the principles of mechanics. Its aim is to clear up ideas, expose the real significance of the matter, and get rid of metaphysical obscurities. The little mathematics it contains is merely secondary to this purpose [Mach 1893, p. vii].

The first two chapters outlined the history of statics and dynamics, while the third covered the deductive development of the discipline. The fourth chapter focused more on philosophical problems and ended with the section “Die Oekonomie der Wissenschaft” (“The Economy of Science”). In this section, Mach began with his definition of the central goal of science:

Alle Wissenschaft hat Erfahrungen zu ersetzen oder zu ersparen durch Nachbildung und Vorbildung von Thatsachen in Gedanken, welche Nachbildungen leichter zur Hand sind als die Erfahrung selbst, und dieselbe in mancher Beziehung vertreten können. Diese ökonomische Function der Wissenschaft, welche deren Wesen ganz durchdringt, wird schon durch die allgemeinsten Ueberlegungen klar. Mit der Erkenntniss des ökonomischen Charakters verschwindet auch alle Mystik aus der Wissenschaft [Mach 1889, pp. 452–453].

It is the object of science to replace, or save, experiences, by the reproduction and anticipation of facts in thought. Memory is handier than experience, and often answers the same purpose. This economical office of science, which fills its whole life, is apparent at first glance; and with its full recognition all mysticism in science disappears [Mach 1893, p. 481].

Mach followed this definition with a consideration of language, and the need for symbols and shorthand references to reproduce thoughts that could be shared accurately with others. As the name of the section suggests, Mach continually came back to the question of economy, the need to communicate as efficiently as possible. In particular, Mach emphasized the importance of mathematics in achieving this economy, and he gave brief examples from arithmetic, algebraic simplification, and the use of determinants to solve systems of linear equations, making the point that math-

ematical procedures allowed algorithms and mechanical procedures to significantly shorten the amount of work necessary.

As useful as this mechanical work might be to science, Mach expressed the view that it was important to distinguish between the fundamental ideas of science and the methods that made it more efficient. It was here that the subject quotation of this column appeared:

Es könnte auffallen, dass längst geleistete wissenschaftliche Arbeit wiederholt verwendet werden kann, was bei mechanischer Arbeit natürlich nicht angeht. Wenn jemand, der täglich einen Gang zu machen hat, einmal durch Zufall einen kürzern Weg findet, und nun stets denselben einschlägt, indem er sich der Abkürzung erinnert, erspart er sich allerdings die Differenz der Arbeit. Allein die Erinnerung ist keine eigentliche Arbeit, sondern eine Auslösung von zweckmässigerer Arbeit. Gerade so verhält es sich mit der Verwendung wissenschaftlicher Gedanken.

Wer Mathematik treibt, ohne sich in der angedeuteten Richtung Aufklärung zu verschaffen, muss oft den unbehaglichen Eindruck erhalten, als ob Papier und Bleistift ihn selbst an Intelligenz überträfen. Mathematik in dieser Weise als Unterrichtsgegenstand betrieben ist kaum bildender, als die Beschäftigung mit Kabbala oder dem magischen Quadrat. Nothwendig entsteht dadurch eine mystische Neigung, welche gelegentlich ihre Früchte trägt [Mach 1889, p. 460].

That scientific work should be more useful the more it has been used, while mechanical work is expended in use, may seem strange to us. When a person who daily takes the same walk accidentally finds a shorter cut, and thereafter, remembering that it is shorter, always goes that way, he undoubtedly saves himself the difference of the work. But memory is really not work. It only places at our disposal energy within our present or future possession, which the circumstance of ignorance prevented us from availing ourselves of. This is precisely the case with the application of scientific ideas.

The mathematician who pursues his studies without clear views of this matter, must often have the uncomfortable feeling that his paper and pencil surpass him in intelligence. Mathematics, thus pursued as an object of instruction, is

scarcely of more educational value than busying oneself with the Cabala. On the contrary, it induces a tendency toward mystery, which is pretty sure to bear its fruits [Mach 1893, pp. 488–489].

One interesting thing in the authorized English translation above is that, while the subject quotation of this column is complete and accurate, there is a curious omission from the following sentence. In the original German, Mach offered both the mysticism of the Kabbalah and the topic of magic squares as his examples of low educational value, but the English translation omitted the reference to magic squares. Perhaps the omission was just an honest mistake, but for some reason I like to think that the English translator was a fan of recreational mathematics who thought Mach was mistaken in his dismissal of the value of magic squares.

Mike Molinsky

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New Leibniz Books

Franz Steiner Verlag, www.steiner-verlag.de/en/, announces two 2023 books on the history and metaphysics of Gottfried Wilhelm Leibniz. First, in *Semina veritatis* Hannes Amberger asks the question, “Did his thinking have the history of philosophy itself as its topic?” Amberger says yes: Leibniz’s understanding of the history of philosophy was based on a paradigm of progress, according to which crucial truths of metaphysics have always been known, but are continuously developed through improvements in the philosophical method in a process that is never completed. This motif, which was crucial for Leibniz’s life, serves Amberger’s study at the same time as a hermeneutic key, which allows a new look at well-known topics of Leibniz’s research: the reception of Thomas Hobbes, for example, of Platonism or scholasticism, the dualism of

matter and form, pre-established harmony, the background of experience in the baroque princely state and the chronological structure of Leibniz's biography. According to the thesis, the decisive premise for Leibniz's progressive view of history is the Neoplatonic motif of the participation of all things in the essence of God.



Figure 10: Amberger's *Semina veritatis*

Second, in *Leibniz's Dynamics: Origin and Structure of a New Science*, François Duchesneau attempts to uncover the genesis of a new science dedicated to the theory of force by dissecting Leibniz's scientific and philosophical achievement. For instance, he sees its starting point as a particular theory of the combination of motions placed within the framework of a mechanistic natural philosophy. Its turning point was Leibniz's discovery in 1678 of a new principle later known as the principle of conservation of live force, which he proposed in 1686 as a replacement for Descartes' principle of conservation of quantity of motion. In *Dynamica de potential* (1689–90), *Specimen dynamicum* (1695), *Essay de dynamique* (ca 1700), and various pieces of correspondence, Leibniz applied his creative methodology, fostered original scientific models and hypotheses, and refined demonstrative arguments in support of his theory. As a result, the

dynamics would comprise the conceptual and architectonic fundamental elements for a revised “system of nature.”

Franz Steiner Verlag

What is Your Favorite Talk?

Since the request for members' stories about joining the Society proved fruitful, Pong the dog cooked up another 50th-anniversary reader-response opportunity during our daily trash-collecting and brainstorming walks. (The activities happen to coincide, but I don't think there is any causal relationship between them.) By **April 1, 2025**, please send 6–10 sentences (i.e., one paragraph) to aackerbe@verizon.net answering the following prompt:

What is your favorite talk that you have given or heard at a CSHPM meeting? Why is it your favorite? Feel free to describe your own work or that of a colleague. In case I think of a CSHPM story by next spring, for a sample here I am going to discuss the 2001 Joint Mathematics Meetings in New Orleans: John Fauvel spoke on “Florian Cajori at Tulane University: How history entered mathematical pedagogy in the United States” in one of the AMS-MAA Special Sessions on History of Mathematics. Particularly avid readers of CSHPM Notes (March–April 2016, pp. 18–19) may recall that Cajori's 1890 *Teaching and History of Mathematics in the United States* is one of my favorite books, which I occasionally reread for fun as well as for research. One of John's last projects before his untimely death just five months later was a deep dive into Cajori's life and career. I had just completed what may still be the most comprehensive biographies to date of Jeremiah Day, John Farrar, and Charles Davies for my dissertation, but it was not clear that anyone much cared about these obscure American mathematics educators. So, for someone with John's standing to affirm that people like Cajori were in fact historically significant and interesting was really inspiring. John had also thought of all kinds of places to look for information that had not crossed my own mind, so I came home with a to-do list as well. I've kept my notes for the talk with my photocopy of *Teaching and History* ever since. I wish I had come into the profession early enough to get to know John better.

While checking details for this paragraph, I redis-

covered a page devoted to Cajori at the website for Colorado College, his second major academic home: bit.ly/4dJIIdWE. The page includes a link to a transcript of an address John gave for Cajori's 140th birthday in 1999. Reading his words is not the same as seeing and hearing a video of John in action, but some readers may enjoy checking it out regardless. After reminiscing, take a few minutes to compose and send in your answer to the prompt!

Amy Ackerberg-Hastings

HSS Centennial

The History of Science Society is also celebrating a milestone this year, as the organization was officially founded in 1924. HSS's most notable and ongoing commemorative event is a podcast that has currently reached 7 episodes, all of which can be heard at www.chstm.org/video/157. Participants known to CSHPM members include CSHPS's Bernard Lightman and historian of mathematics Andrew Fiss. A Futures Roundtable at HSS's 2023 Annual Meeting in Portland, Oregon, examined "What Does a Scientist Look Like?" HSS's 2024 Annual Meeting in Merida, Mexico, will feature multiple Futures Roundtables: "Is there an 'Ethical Turn' Occurring in the History of Science, Medicine, and Technology?"; a consideration of evolving Latin American and Caribbean historiographies of science, knowledge, technology, and medicine; and "The HSS Annual Meetings at 100: Looking back and ahead". There will also be a centennial pub quiz.

An overview of HSS's history appears at hssonline.org/page/history. One key fact is that, like organizations such as the MAA, HSS was preceded by the publication that would become its flagship journal, *Isis*. Pioneering historian of science and mathematics George Sarton (1884–1956) established the periodical in Belgium in 1912. After obstacles such as World War I repeatedly interrupted publication, Sarton decided the support of a scholarly society was essential to *Isis*'s financial security and worked with others, such as David Eugene Smith, to get HSS off the ground. To mark the organization's 100th anniversary, we reprint the announcement of HSS from volume 6, issue 1 (1924). A four-page history that was provided below this announcement explains how quickly the founding unfolded: Smith mailed a letter on December 4, 1923; an organizing meeting was

held in Boston on January 12, 1924; and the news was inserted into the *Isis* issue that was edited in October 1923 and printed shortly after February 1, 1924. Early issues of the journal contain considerable amounts of history of mathematics; because those years are out of copyright in the United States, the University of Chicago has made them open access at www.journals.uchicago.edu/loi/isis.

Preface to Volume VI: Upon the initiative of a number of scholars, a History of Science Society has been recently founded in America. Its purpose is to promote the study of the History of Science, and more particularly to support the publication of *Isis*, which has become its official organ. This is very gratifying, especially because as long as *Isis* remained a private undertaking, its existence was naturally precarious. This existence is now assured. *Isis* may slumber yet, but die—never! The patronage of the Society will stimulate its editor and other contributors to do their best to improve *Isis*, to increase its value as a tool, to enhance its scientific prestige.

The Society will be predominantly, but not exclusively, American. Indeed, it is hoped that every student of the history of science will eventually join it. One volume of *Isis* will henceforth appear each year and be sent gratis to the members of the Society. Members will also be able to buy previous volumes at a lower price (i.e., five dollars per volume, instead of six). It should be noted, however, that the supply of vol. I and II is running very low, especially of vol. I which will soon be unobtainable.

CSHPM at 50: How I Joined the Society

Editor's Note: As part of celebrating our 50th anniversary, members were invited to share brief accounts of when and why they became members of CSHPM. The submissions below are listed in order of receipt and nicely represent multiple eras in the Society's lifespan, members at different stages of membership, and varied geographical backgrounds. If you would like to share your story in the May 2025 Bulletin, please contact aackerbe@verizon.net. For nearly-complete lists of CSHPM Officers, Councillors, and Volunteers, see our May 2024 issue. Find hundreds of pages of CSHPM records in the Archives section of our website, www.cshpm.org

When I participated in the Institute for History of

Mathematics and Its Use in Teaching (organized by Fred Rickey and Victor Katz) in the summer of 1995, Fred and Victor spoke of CSHPM. I had heard about the Society from Sylvia Svitak and was intrigued by the fact that the 1994 meeting had been held in Calgary (an exotic location to a New Yorker). Ergo, doubly encouraged, I joined CSHPM that year.

Pat Allaire

I first learned about the CSHPM through participation in the summer Institute in the History of Mathematics and its Use in Teaching (IHMT) in 1998. While I joined the society shortly after that, I did not become an active member until I moved to Maine several years later. In 2005, I attended my first CSHPM conference at the University of Waterloo and volunteered to take over the position of Webmaster at that first meeting.

Michael Molinsky

If only I remembered exactly when I first joined CSHPM! It would have been before I participated in the 2004 CSHPM-BSHM joint meeting at Cambridge University. It was a joy to give a talk to such an interested and supportive audience and to hear other speakers as well. The Cambridge meeting was followed in subsequent years by several meetings in Canada and a 2011 meeting in Dublin, Ireland, all wonderfully supportive and inspiring meetings.

Janet Beery

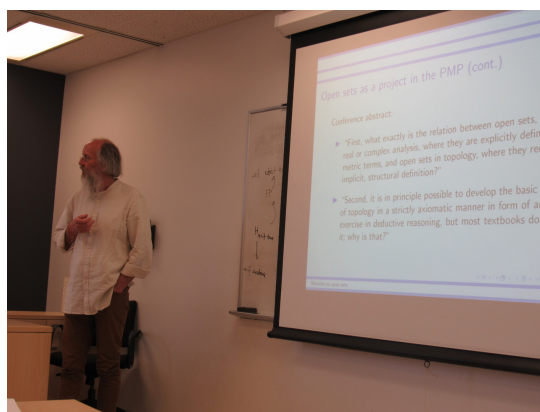


Figure 11: Bernd Buldt

In 2007, after serving as department head for more than ten years, which basically killed my research, I tried to reconnect with my community and resume my research. CSHPM seemed to be a two-for-one deal: an opportunity to join like-minded people, but also to get a member discount on a subscription to

Philosophia Mathematica. Although *PM* stopped producing a print edition that same year, I have never regretted becoming a member: too many nice people running nice conferences where you are allowed to think out loud.

Bernd Buldt

I've always been at least partially concerned with the history of mathematics, and my interest has grown as I have "matured". I found myself learning quite a bit while working on Mathieu functions, and reading Mathieu's 1868 paper on the subject. I discovered that Mathieu had developed an improvement of a technique of Sturm's, and in doing so had invented a new technique for perturbation: impose periodicity on the solution of an eigenvalue problem, and adjust the eigenvalue perturbatively to do so. I thought this was interesting, and perhaps anticipated work now known as Lindstedt's method. My colleague Nic Fillion suggested that I give a talk to the CSHPM on the topic, and so I did, and so I joined. I've since found out that the story of perturbation is more complicated than I thought. The book that Nic and I are writing now on the topic, which will be published by SIAM, has explicit mention of some of those complications. Perhaps there will be another talk on the subject in future. In the meantime, if anyone else in the Society is interested in the history of perturbation theory—in particular we are trying to isolate just how old it really is—drop me a line. [Yes, we know O'Malley's beautiful book, *Historical Developments in Singular Perturbation*—what a great title!]

Robert M. Corless

I joined CSHPM as soon as I heard about it—I'm not sure, now, just when that was. But I became interested in the philosophy of mathematics soon after finishing my PhD in mathematics, and was very interested in learning about what was going on currently, especially things not related to foundations. However, I have virtually no interest in the history of mathematics (except as it directly affects its philosophy) and have yet to attend a meeting in person. (Partly that's because the meetings seem to be much more focused on history than philosophy; in fact, it's why, when I was organizing POM SIGMAA, I resisted the suggestion that we try to do a combined history and philosophy of math SIGMAA—since many more mathematicians are interested in history than philosophy, I was concerned that the philosophy part would

get lost in the crowd, and CSHPM was partly on my mind about that.) But I've been very appreciative of the Zoom talks Nicolas Fillion has been hosting (which have been about half philosophy of math).

Bonnie Gold

When I decided to enroll in a doctoral program to conduct research in the history of mathematics, I began searching for universities, societies, and organizations that support the discipline, with the aim of connecting with fellow scholars. This was around 2015, and the first society I encountered was the BSHM, which introduced me to the CSHPM; this is how I became a member. Since then, I have participated in several meetings and conferences organized by these two societies, particularly the "People, Places, Practices: Joint BSHM-CSHPM/SCHPM Conference." These experiences have significantly enriched my understanding of the beautiful discipline I am researching.

Eduardo Dorrego López

In the mid 1990s, I was co-editor of *Modern Logic* with Irving Anellis as editor. Irving had signed up to give a talk at the Montreal meeting (I think it was at UQAM) and was unable to attend, so I signed up to give the talk for him. Since I didn't find the experience of speaking there all that painful, I remained a member and have benefitted from friendships that go beyond the experience of dining out in Montreal.

Tom Drucker

My first experience of the CSHPM or, rather, a CSHPM meeting, was in the summer of 1997 at Oriel College, Oxford, during the Society's very first joint meeting with the BSHM. It was there that I met CSHPM stalwarts such as Tom Archibald, Israel Kleiner, and Hardy Grant for the very first time. Two years later, in July 1999, as the CSHPM celebrated its 25th anniversary, I attended my first meeting on Canadian soil, when I was a participant in the second joint CSHPM-BSHM meeting in Toronto, superbly organised by Craig Fraser. As before, I was introduced to a fine selection of scholars from North America, one of whom—Glen Van Brummelen, I believe—asked me why I was not yet a member of the CSHPM. "Why not indeed?" was my response. I wasted no time, signed up immediately, and have been a member ever since.

Adrian Rice

While always having an interest in mathematical history, I was particularly motivated to join CSHPM to



Figure 12: Patrick Wallach

present my sabbatical project in which I interviewed retired faculty of my department, creating a collection of oral histories that celebrate the careers of the faculty and also tell stories about my department and college as well. I can certainly say that my first meeting was a welcoming experience and that everyone was kind and receptive to my presentation.

Patrick Wallach

ORESME News

The ORESME (Ohio River Early Sources in Mathematical Exposition) Reading Group held its 47th meeting on September 27–28, 2024, at Xavier University in Cincinnati, OH. This meeting was the second and concluding session wherein we engaged in a study of the development of the Law of Quadratic Reciprocity, its formulation and proof, through consideration of primary sources from Euler, Lagrange, Legendre, Gauss and Eisenstein. The group followed the masterful account of this history presented in Knoebel et al., *Mathematical Masterpieces* (Springer, 2007). The group plans to study Henry Briggs' creation of the common logarithm in his *Arithmetica Logarithmica* (1624) at its next meeting, to be held at Northern Kentucky University (Highland Heights, KY) in late January or early February; for more de-

CALL FOR PAPERS / APPEL À COMMUNICATIONS

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

Annual Meeting / Colloque annuel
George Brown College / Collège George Brown
31 May–2 June 2025 / 31 mai–2 juin 2025 / Toronto, Ontario

Special Session / Séance Spéciale
Conceptual Change in Mathematics / Le Changement Conceptuel en Mathématiques
Kenneth May Lecturer / Conférencière Kenneth May
Patricia Blanchette, University of Notre Dame

The CSHPM will hold its 2025 Annual Meeting in Toronto at George Brown College in conjunction with the 2025 Congress of the Humanities and Social Sciences, Saturday, May 31 – Monday, June 2, 2025.

Special Session: Conceptual Change in Mathematics: In Kuhnian terms, mathematics has often been portrayed as cumulative science *par excellence*, in which progress is achieved by simply adding newly-proven truths. Although this perspective is generally perceived as overly simplistic, little consensus exists concerning the nature of the conceptual changes that enable growth and progress in mathematics. We invite philosophical discussions and historical studies that can shed light on this aspect of mathematical knowledge.

General Session: Members are invited to present papers on any subject relating to the history of mathematics, its use in the teaching of mathematics, the philosophy of mathematics, or a related topic. Talks may be given in either English or French.

Proposals for special events such as stand-alone paper sessions, panels, or symposia are welcome; please direct your proposal to all three organizers.

Travel stipends of \$750 CA are available for up to six papers given by graduate students and early career scholars (post-2022 PhD) at this meeting.

Please send your title and abstract (200 words or less) in Word or in the body of an email by February 1, 2025, to: / Veuillez envoyer le titre de votre communication, ainsi qu'un bref résumé de 200 mots ou moins en format Word ou dans le corps d'un courriel avant le 1 février 2025 à:

GENERAL SESSION / SÉANCE GÉNÉRALE:
Robert E. Bradley, bradley@adelphi.edu
Amy Ackerberg-Hastings, aackerbe@verizon.net

La SCHPM tiendra l'édition 2025 de son colloque annuel au Collège George Brown à Toronto, dans le cadre du Congrès des sciences humaines et sociales 2025, du samedi 31 mai au lundi 2 juin 2025.

Séance spéciale : Changement Conceptuel en Mathématiques : En termes kuhnien, les mathématiques ont souvent été décrites comme une science cumulative par excellence, en ce sens que son progrès découle simplement de l'ajout de vérités nouvellement prouvées. Bien que cette perspective soit généralement considérée trop simpliste, il n'y a pas de consensus portant sur la nature des changements conceptuels donnant lieu à la croissance et au progrès des mathématiques. Nous invitons les discussions philosophiques et les études historiques susceptibles d'éclairer cet aspect de la connaissance mathématique.

Séance générale : Les membres sont invités à faire une présentation sur n'importe quel sujet en histoire des mathématiques et son utilisation dans l'enseignement des mathématiques, en philosophie des mathématiques, ou tout autre sujet connexe. Les présentations en anglais ou en français sont bienvenues, comme le sont les présentations de travaux en cours.

Les propositions d'événements spéciaux tels que des sessions de communications autonomes, des séances ou des colloques sont les bienvenues ; veuillez adresser votre proposition aux trois organisateurs.

Des bourses de voyage de 750 \$ CA sont disponibles pour un maximum de six communications présentées par des étudiants diplômés et des chercheurs en début de carrière (doctorat post-2022) lors de cette réunion.

SPECIAL SESSION / SÉANCE SPÉCIALE:
Nicolas Fillion, nfillion@sfu.ca

tails, please contact Danny Otero (otero@xavier.edu) or Dan Curtin (curtin@nku.edu).

Daniel E. Otero

New Members

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

Ellen Abrams

Toronto, ON

Canada

Babette Chabout-Combaz

Sherbrooke, QC

Canada

Linda McGuire

Macungie, PA

USA

Patrick Wallach

Wantagh, NY

USA

From the Editor

I hope everyone has enjoyed celebrating the 50th anniversary of CSHPM's official founding on June 3, 1974, which took place at the University of Toronto after an organizing meeting at Queen's University in Kingston on June 9, 1973, and substantial material support from Atkinson College at York University. Rob has already described the amazing last-minute work Maria and Jean-Pierre did to secure a location for the 2024 AGM and the robust program of Looking Back, Looking Ahead Maria coordinated. While my decorating skills leave something to be desired, I was able to find tasty, reasonably-priced cake at a nearby grocery store, completing the main goal I set for myself in my May 2024 column. Just before the meeting, Mike Molinsky's CSHPM Notes column summarizing the Society's history was published; see the June 2024 issue at notes.math.ca. Amy Shell-Gellasch wrote a brief account of CSHPM for the 2005 Springer volume of May Lectures, *Mathematics and the Historian's Craft*, and by-laws co-author Charles V. Jones described the Society's origins in a 10-page word-processed document that appears at the end of the Fall 1985 *Newsletter* in the Archives section of CSHPM's website. You'll see additional commemorations scattered through this issue of the *Bulletin*,

along with an expression of my willingness to keep the party going into next spring and beyond. (As one might expect with dog family members named Ping and Pong, the latter of whom having learned from picking up garbage that the outdoors is one giant buffet, the Ackerberg-Hastings household is always ready for fun and food.)

The next submission deadline for the *Bulletin* is April 1, 2025. As always, the editors seek items of interest to historians and philosophers of mathematics, such as reports on conferences attended, activities of other societies, or discussions of publications. We also welcome memorials of historians or philosophers of mathematics who have passed away and short yet substantive articles that are informative or thought-provoking as well as relevant to the practice of history or philosophy of mathematics. Les soumissions en français sont les bienvenues. If you are interested in preparing an Off the Shelf column (re-examinations of classic or overlooked works in the philosophy or history of mathematics) or interviewing someone whose career is related to the history or philosophy of mathematics, please contact me. The preferred formats for submissions are Microsoft Word (please turn off its auto-formatting features such as "curly quotes") or LaTeX data files (not compiled PDFs). Please send images as separate files (JPG or PNG formats work well), not embedded in a Word document. Submissions may be sent to aackerbe@verizon.net.

Amy Ackerberg-Hastings

