



Report of the ICHM to the IMU 2021

June Barrow-Green (Chair)

1. Commission organisation

a. List of officers and members of governing body, and governance procedures

The Executive Committee of the ICHM consists of the following members:

Chair

June Barrow-Green (School of Mathematics & Statistics, Faculty of STEM, Open University, Milton Keynes, UK) June.Barrow-Green@open.ac.uk

Vice-chair

Clemency Montelle (University of Canterbury, New Zealand)
clemency.montelle@canterbury.ac.nz

Secretary

Sloan Despeaux (Western Carolina University, USA) despeaux@email.wcu.edu

Treasurer

Martina Schneider (University of Mainz, Germany) mschneider@mathematik.uni-mainz.de

Members-at-Large

Michela Malpangotto (France) michela.malpangotto@obspm.fr

S. Mohammad Mozaffari (Iran/China) mozaffari@ustc.edu.cn

Volker Remmert (Germany) remmert@uni-wuppertal.de

Adrian Rice (USA) arice4@rmc.edu

Clara H. Sánchez (Colombia) chsanchezb@unal.edu.co

GUO Shirong (China) guoshirong1959@163.com, gsr@imnu.edu.cn

Galina Sinkevich (Russia) galina.sinkevich@gmail.com

IMU Representatives:

Isobel Falconer (School of Mathematics and Statistics, University of St Andrews, Scotland)
ijf3@st-andrews.ac.uk

Catherine Goldstein (Institut de mathématiques de Jussieu-Paris Rive gauche, Paris, France)
catherine.goldstein@imj-prg.fr

Ex-Officio

Craig Fraser (University of Toronto, Canada) craig.fraser@utoronto.ca (immediate past chair)

Reinhard Siegmund-Schultze (University of Agder, Norway) reinhard.siegmund-schultze@uia.no (editor *Historia Mathematica*)

Nathan Sidoli (Waseda University, Japan) sidoli@waseda.jp (editor *Historia Mathematica*)

The Executive Committee of the ICHM has two 'listening' members: Snezana Lawrence (International Study Group on the Relations between the History and Pedagogy of Mathematics (HPM), an affiliate of the ICMI) and Gang Tian (IMU liaison).

The Executive Committee of the ICHM had four business e-meetings together with email discussion in 2021.



b. Sub-committees and their functions, with brief details of activities

Kenneth O. May Prize Committee (2021)

June Barrow-Green (Chair) (UK)
Tom Archibald (Canada)
Niccolò Guicciardini (Italy)
Clemency Montelle (New Zealand)

The Kenneth O. May Prize is awarded every four years to a historian or historians of mathematics in recognition of distinguished contributions to the history of mathematics. 2021 May Prizes were awarded to Sonja Brentjes (Germany) and Christine Proust (France). For citations, see <https://www.mathunion.org/ichm/prizes/kenneth-o-may-prize-history-mathematics>.

Montucla Prize Committee (2021)

Sloan Despeaux (Chair) (USA)
Antoni Malet (Spain)
Nathan Sidoli (Japan)
Reinhard-Siegmund-Schultze (Norway)

The Montucla Prize is awarded every four years to the author of the best article published in *Historia Mathematica* by an early-career researcher in the four years preceding the International Congress of History of Science and Technology. 2021 Montucla Prizes were awarded to François Lê (France) and Brigitte Stenhouse (UK). For citations, see <https://www.mathunion.org/ichm/report-montucla-prize-2021-Francois-Le> and <https://www.mathunion.org/ichm/report-montucla-prize-2021-brigitte-stenhouse>.

c. Details of membership of the Commission

There are 44 National Members of the ICHM: Algeria, Austria, Belgium, Belorussia, Brazil, Canada, China, Costa Rica, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Guatemala, Iceland, Iran, Israel, Italy, Japan, Kazakhstan, Korea, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Russia, Saudi Arabia, Singapore, Slovak Republic, Spain, Sweden, Switzerland, Syria, Taiwan, Tunisia, Turkey, United Kingdom, USA.

Individuals are listed at <https://www.mathunion.org/ichm/about-us/members>

d. URL of Commission website

<https://www.mathunion.org/ichm>. It is updated whenever necessary, e.g. to include changes in membership, reports of meetings, etc.



2. Activities

a. Activities undertaken or sponsored by the Commission in the last year

The ICHM held an (online) Open Meeting at the International Congress for the History of Science and Technology (ICHST), 26 July 2021. The four ICHM prize-winners were announced. There was a productive discussion on how the ICHM could best support early-career scholars.

[At the ICHST, one of the members of the ICHM EC, Michaela Malpangotto, was elected to the Council of the Division of Science and Technology (DHST) of the International Union of the History and Philosophy of Science and Technology (IUHPST). The ICHM is an inter-union commission of the DHST.]

Co-sponsorship of the Special Session on History of Mathematics at the (online) Joint Mathematics Meeting, USA. 8-9 January 2021.

<https://www.mathunion.org/ichm/reports/activity-reports>

Co-sponsorship of the 32nd Novembertagung, 'Mathematics in Times of Crisis', 18-20 November 2021 (online).

<https://www.mathunion.org/fileadmin/ICHM/Reports/ICHMReport2021.pdf>

[The Novembertagung, which is organised by early career scholars for early career scholars, is held every year in a different country. We consider this to be one of the most important meetings supported by the ICHM as it enables early career scholars to make contact with one another at an international level as well as having the opportunity to present their work in a supportive environment.]

Workshops and Symposia:

Co-sponsorship of five symposia at the joint [BSHM-CSHPM/SCHPM](#) Conference "People, Places, Practices", St. Andrews, Scotland, UK in July 2021 (postponed from July 2020 due to Covid-19). Each of these symposia is organized by an early career scholar and includes early career scholars among the speakers. The ICHM had provisionally agreed to fund these early-career scholars to attend the conference but when the conference was postponed and changed from in-person to online, the funding was no longer required.

Sponsorship of three ICHM symposia at the (online) [26th ICHST](#), July 2021.

- *Evolution of Mathematics in China: Major Figures, Anonymous Contributors, and the Giants Among Them* (3 sessions - 12 talks)
- *Constructing interfaces between mathematical and physical conceptions and methods* (1 session - 4 talks)
- *Collaborations and Rivalries in the History of Mathematics* (2 sessions - 8 talks)

b. Publications arising from the work of the Commission in the last year.

Historia Mathematica is the official journal of the ICHM. It appears four times annually and publishes roughly 525 pages of original research in the history of mathematics from all times and cultures. The



journal is currently edited by Nathan Sidoli (Waseda University, Tokyo) and Reinhard Siegmund-Schultze (University of Adger, Norway). In January 2022, Antoni Malet (Universitat Pompeu Fabra, Spain) will replace Reinhard Siegmund-Schultze. It is published by Elsevier Science and is available electronically to subscribers of [ScienceDirect](#).

c. Activities supported in the last year

Early Career Scholar Support.

Due to Covid-19, many early career scholars have been denied the opportunity to participate in face-to-face conferences, and helping with funding their attendance at such conferences is usually the main way in which the ICHM offers them support. In October 2020, the ICHM instituted a grant scheme for early-career scholars to fund individual research-related activities with an international dimension. Such activities could include registration fees for online conferences, childcare grants for attendance at online conferences, cost of scans from overseas archives, etc.

<https://www.mathunion.org/ichm/grants-sponsorships/ichm-grants>

d. Changes to the governance or organisation structure of the Commission

None

3. Future plans

Activities planned for 2022

ICHM Co-Sponsored *AMS-MAA Special Sessions on History of Mathematics* (Seattle, January 6-9, 2022). Due to the pandemic, this meeting has been postponed to a virtual meeting to be held April 6-9, 2022. No financial aid was requested.

The ICHM will hold a special session at the ICM 2022 at which the May Prize and Montucla Prize winners will deliver lectures.

Funds will be available to support the Novembertagung 2022. We will also make funds available to support Novembertagung satellite meetings for scholars for whom travel is not viable.

4. Financial report

Expenditure for 2021

Prizes

- Kenneth O May Prizes 2021 – 2556.84€
- Montucla Prizes 2021 – 2596.44€

Note: ICHM Prizes are awarded every four years

Earl-Career Scholar Grants and Conference

- Conference registration fee for Ellen Abrams, AMS/MAA Joint Meeting (online, January 2021), talk: 'Logical Fate' and 'Intellectual Wisdom': Cassius Keyser and the Humanism of Mathematics – 161.62€



- Conference registration fee for David Waszek, History of Science Society Annual Meeting (online, November 2021), talk: Clever Artifice or Signpost to the Hidden Nature of Things? The Circulation of Leibniz's Analogy of Powers and Differences –174€
- Novembertagung 2021: online workshop and virtual tour – 774€

Conference organizers submit reports on their conferences and these reports are published on the ICHM website. The financial assistance is offered to the conference organizer in the form of a grant.

Income for 2021

Elsevier Honoraria US\$5000.

Note: The DHST suspended its grants for 2021 due to Covid-19. These grants have been reinstated for 2022 and the ICHM has been awarded 1500€. In awarding the grant, the DHST commended the ICHM as “a fine example of an inter-union commission.”

The financial position of the ICHM is currently good.