DMRCP Newsletter # 8
7 April 2025

Elections.

On 30 January and 11 February 2025, the DMRCP Council re-elected the following Fellows to another term of two years (1 February 2025–31 January 2027): Colin Rittberg, Tabea Rohr, Deniz Sarikaya, Fenner Tanswell, and David Waszak. Furthermore, the Council elected two new Fellows for the same period: J. P. Ascher and Gila Hanna (see below for brief presentations).

On 29 March 2025, the DMRCP Council re-elected the following Fellows to another term of two years (1 April 2025–31 March 2027): Andrew Aberdein, Andrew Arana, Michael Barany, and Keith Weber. Furthermore, the Council elected Thomas Glasman as a new Fellow for the same period Thomas is a PhD student at the Center for Logic and Philosophy of Science, Vrije Universiteit Brussel, works on arguments in the philosophy of set theory.

News from the DMRCP Fellowship.

Deborah Kant F was awarded a DAAD fellowship for the research project "Does Pragmatic Evidence Help to Solve the Problem of Existence for Mathematical Conventionalism?" at the University of Pisa, hosted by Giorgio Venturi. In September, she will join the research project *Social epistemology of mathematics* and work with Line Edslev Andersen F, Yacin Hamami, and Bart Van Kerkhove SF at the Vrije Universiteit Brussel.

9th DMRCP Seminar Meeting.

The 9th DMRCP Seminar Meeting on 29 January 2025 was unusual since we joined the *Modern History of Mathematics* Programme (MHM) at the Isaac Newton Institute for the Mathematical Sciences in Cambridge. The meeting was hybrid with some of the twenty-three participants in person in Seminar Room 1 of the Newton Institute in Cambridge and others online. After brief

introductions of DMRCP and MHM by Benedikt Löwe and Adrian Rice (one of the MHM organisers), the research presentations were held by two DMRCP Fellows who are also participants of MHM: David Waszek F (online) and Jan Vrhovski F (in person). David reported on his work in the project BANANA (led by Christophe Eckes and Emmylou Haffner), his interests in written mathematics, and his collaborations with Dirk Schlimm SF. Jan reported on his work in the project SIGMA, collaborating with Michael Barany F and J. P. Ascher F, his interests in Chinese mathematics and logic, Wittgenstein, the history of topology, mathematical logic and set theory, and in particular, his current interest in the role that lists have for mathematical practice.

10th DMRCP Seminar Meeting.

The 10th DMRCP Seminar Meeting took place online on 20 March 2025 with 15 participants. In the beginning, we discussed the changing situation at US-American universities making research procedures more difficult and the initiative to hire US-American researchers at European universities.

During the first presentation, Deniz Sarikaya F, gave an overview on his various research interests. First, he explained his work on Wittgenstein and the philosophy of mathematical practice, mainly realised with his co-author José Pérez-Escobar. His second research strand is mathematics education, also as being related to the philosophy of mathematical practice, and his third research activity is the construction of linguistic frames to model mathematical practices such as proof, understanding, or innovation. He invited the participants to contribute to collected volumes, special issues, and several conferences that he co-organises.

The second presentation was held by Mikkel Willum Johansen F. He first presented his work on mathematical practices including an interview study on the use of sketches and notes by mathematicians and a large corpus study on the use of diagrams in mathematical journals from 1885-2015. His second focus is on research integrity in other disciplines than mathematics. With several co-authors, they investigated for instance situations when PhD students add their supervisor as an author on their own paper. In addition, he also writes a column in a Danish newspaper, explaining concepts of the philosophy of mathematical practice, such as epistemic injustice, to a wider audience.

Activities.

2 May 2025. *Online launch of Ole Skovmose's book "Critical Philosophy of Mathematics"* (Springer, 2024). The link to register for the launch on 2 May 2025, 4:30pm GMT+2: `https://www.cppi.me/events`. A review of the book can be found here: `https://sites.exeter.ac.uk/pmej/`.

6 May 2025. The *11th DMRCP Seminar Meeting* will take place on 6 May 2025, 4pm GMT+2, online. Our Fellows Andrew Aberdein and Keith Weber will present their research.

Conference Announcements.

On 24 and 25 April 2025, a meeting entitles *Purity of mathematical language and (German) mathematics in the 20th century* will take place in Nancy, France (at Campus Lettres, Sciences Humaines et Sociales, room A033), organized by Andrew Arana F and Michael Friedman. For more information, cf. `https://poincare.univ-lorraine.fr/fr/manifestations/purity-mathematical-language-and-german-mathematics-20th-century`.

The *Masterclass in the Philosophy of Mathematical Practices* with Michael Barany F (Edinburgh) will take place in Brussels, Belgium from 18 to 20 June 2025, entitled "Situating Mathematical Practices: Materials, Institutions, and Critical Context". The Masterclass is organized

by Line Edslev Andersen F, Zhao Fan, Thomas Glasman F, Sander Pouliart, Colin Jakob Rittberg F, and Deniz Sarikaya F. For more information, cf. `https://sites.google.com/view/mc-pmp-brussels-2025`. The abstract submission deadline is 2 May 2025.

The *8th International Meeting of the Association for the Philosophy of Mathematical Practice (APMP)* will take place at Chapman University, CA, USA, on 12-15 January 2026, with Carolin Antos SF and Keith Weber F giving keynote talks, and Line Edslev Andersen F and Silvia De Toffoli F being part of the Scientific Committee. A title and abstract (250-500 words + 3 keywords) should be submitted via Easychair (`https://easychair.org/my/conference?conf=apmp2026`) for anonymous review by May 1st, 2025. The meeting will be in person. Notification of acceptance will be sent out by mid-June 2025.

Presentation of DMRCP Fellows.

J. P. Ascher is Research Fellow for the history of global mathematics and its cross-historical influences in the history of science and the history of knowledge at the University of Edinburgh. Broadly he studies bibliographical methods along with early-modern to digital knowledge dissemination by examining paperwork history, the history of books in society, and the technology of printing and digital transmission. His most recent work examines the early-modern history of learned printing legally authorized by the Royal Society of London's administrative records, placing both the records and the printing into historical context. He is currently working on born-translated mathematics and its relationship to post-war globalized bookselling.

Paul Ernest studied mathematics, logic at Sussex University with a Ph.D. in philosophy of mathematics from King's College, London. He lectured widely and was appointed 1984 to University of Exeter where he became full professor in 1998 and is now professor emeritus. Working in both education and philosophy of mathematics he helped establish the philosophy of mathematics education as an area of research. Authored books include *The Philosophy of Mathematics Education* (Routledge, 1991) and *Social Constructivism as a Philosophy of Mathematics* (SUNY, 1998). He founded and edits the open access *Philosophy of Mathematics Education Journal* since 1990 and continues to publish in philosophy of mathematics.

Gila Hanna is Professor Emeritus at the University of Toronto, where she taught graduate courses mainly in mathematics education research, statistics, and in measurement and evaluation. She also led a large number of research projects and supervised several Ph.D. and M.A. theses in mathematics education. Her primary research interests are the role of proof and truth in mathematics and mathematics education, philosophical aspects of mathematics practice, and gender issues in mathematics teaching and learning. Her most recent research project is "Teaching mathematical methods through proof". In 2003, she was appointed *Fields Institute Fellow* for her outstanding contributions to the Fields Institute for Research in Mathematical Sciences, its programs, and to the Canadian mathematical community.

In this newsletter, we mark the Fellows and Senior Fellows of DMRCP with the postnominal letters 'F' and 'SF', respectively. If you have any information to be included in the next newsletter, please e-mail Deborah Kant at `dmrcp.scientificcoordinator@cipsh.international`.