

## BSHM-CSHPM/SCHPM Conf. 12-15 July 2021

### Short Biographies of Speakers

(where we have them)

#### Francine Abeles (Kean University)

Francine F. Abeles is Professor Emerita (formerly distinguished professor of mathematics and computer science) at Kean University in Union, NJ, USA. She is co-editor of a 2016 volume in Birkhäuser's Studies in Universal Logic series titled, *Modern Logic 1850-1950. East and West*. It includes the paper, "The Historical Sources of Tree Graphs and the Tree Method in the Work of Peirce and Gentzen", co-authored with Irving Anellis. The 2015 Springer volume, *Research in History and Philosophy of Mathematics* includes her paper, "The Influence of Arthur Cayley and Alfred Kempe on Charles Peirce's Diagrammatic Logic". "Clifford and Sylvester on the Development of Peirce's Matrix Formulation of the Algebra of Relations" appears in the 2016 volume in this series. She has edited three volumes in The Pamphlets of Lewis Carroll series (mathematical, political, and logic pamphlets). Dr Abeles is the managing trustee of the Morton N. Cohen Publications Trust and a member of the Publications Committee of the Lewis Carroll Society of N.A. In *The Mathematical World of Charles L. Dodgson*, edited by Robin Wilson and Amirouche Moktefi and published in 2019 by Oxford University Press, she is the author of the final chapter, "Mathematical Legacy".

#### Amy Ackerberg-Hastings (Independent Scholar)

Amy Ackerberg-Hastings is Content Editor of the CSHPM Bulletin and Co-Editor of the CSHPM Notes column in Notes of the Canadian Mathematical Society. Her publications on the history of Scottish mathematics include "John Playfair's Approach to 'the Practical Parts of the Mathematics'," in *Research in History and Philosophy of Mathematics: The CSHPM 2017 Annual Meeting in Toronto, Ontario*; "John Playfair on British Decline in Mathematics," *BSHM Bulletin* 23, no. 2 (2008): 81–95; and "Analysis and Synthesis in John Playfair's *Elements of Geometry*," *British Journal for the History of Science* 35 (2002): 43–72.

#### Marion W. Alexander (Houston Community College)

#### Verity Allan (Cambridge)

Verity Allan is a former mediaevalist, and now studies computational astrophysics at the Cavendish Laboratory as part of the team prototyping software for the Square Kilometre Array.

#### Hassan Ameni (University of Tehran)

Dr Hassan Amini is an Assistant Professor in the History and Philosophy of Mathematics at the Institute for the History of Science (University of Tehran) since 2015. Dr Ameni completed his Ph.D. in Philosophy of Science at the Iranian Institute of Philosophy; his doctoral dissertation was entitled "The Status of the Spherical Trigonometry in the History of Geometry". His research interests lie in the history and philosophy of Mathematics in the medieval Islamic world.

### Zöe Ashton (Ohio State University)

Zoe Ashton is a PhD student at Ohio State University. She works primarily on mathematical practice, with a particular focus on the role that audience considerations play in proof development.

### R.A Bailey (St Andrews)

After doing a DPhil in finite group theory at the University of Oxford, I moved to design of experiments as a post-doctoral research fellow at the University of Edinburgh. I spent 10 years working as a statistician at Rothamsted Experimental Station before returning to academia.

### Christopher Baltus (CSHPM)

### Michael J. Barany (Edinburgh)

Michael J. Barany is Lecturer in the History of Science at the University of Edinburgh, and researches the global history, sociology, and culture of modern mathematics. His 2016 Princeton University Ph.D. dissertation received a special mention in the 2017 International Union for the History and Philosophy of Science and Technology, Division of History of Science and Technology Prize for Young Scholars competition, and he held postdoctoral fellowships at Dartmouth College (Society of Fellows) and Northwestern University (NSF Postdoctoral Fellow) before moving to Scotland. His research and writings are available at <http://mbarany.com>

### Evelyn Barbin (University of Nantes)

Evelyne Barbin (University of Nantes), teaches history of mathematics to future professors of primary schools and she is co-president of the inter-IREM Committee “Epistemology and History of Mathematics” which organize teachers trainings for all the levels.

### John F. Barthell (University of Central Oklahoma)

John F. Barthell is the Provost and Vice President of Academic Affairs at the University of Central Oklahoma (UCO) where he previously as the Dean of the UCO College of Mathematics and Science. He has been the Principal Investigator of a Research Experiences for Undergraduates (REU) grant centered in Greece and the Republic of Turkey for the past 14 consecutive years. A Professor of Biology, he is the author of over 80 articles pertaining to ecology, natural history, and topics relating to high-impact educational practices such as undergraduate research.

### June Barrow-Green (Open University)

June Barrow-Green is Professor of History of Mathematics at the Open University and a Visiting Professor at the London School of Economics. She was President of the BSHM from 2003-05 and chairs the Executive Committee of the International Commission on the History of Mathematics.

### Philip Beeley (Oxford)

Philip Beeley is a member of the Faculty of History, University of Oxford, and a Fellow of Linacre College. He is editor (with the late Christoph J. Scriba) of the multi-volume Correspondence of John Wallis (1616-1703) and has published extensively on the history of

early modern mathematics. He was President of the BSHM 2015-17 and is current President of the Scientific Advisory Committee of the Bernoulli-Euler Zentrum (BEZ) in Basel.

#### [Kristín Bjarnadóttir \(University of Iceland\)](#)

Kristín Bjarnadóttir, University of Iceland, MSc in mathematics from University of Oregon, PhD in mathematics education from Roskilde University.

#### [Mónica Blanco \(UPC- BarcelonaTech\)](#)

Mónica Blanco, PhD, is an associate professor in mathematics, statistics and history of mathematics at the Universitat Politècnica de Catalunya (UPC- BarcelonaTech). Her main topics of research are history of calculus and its circulation in eighteenth-century Europe; history of mathematics and mathematics education; and, more recently, the study of mathematical instruments in the eighteenth century.

#### [Viktor Blåsjö \(Utrecht\)](#)

Viktor Blåsjö is an Assistant Professor at the Mathematical Institute of Utrecht University. He is a historian of mathematics with a special interest in the interplay between technical mathematical content and foundational issues in the early modern period. His dissertation formed the basis for his monograph *Transcendental Curves in the Leibnizian Calculus* (Elsevier, 2017). He also works on issues in the history and philosophy of science and historiography, emphasising the mathematician's point of view. You can follow him on Twitter @viktorblasjo and listen to his *Opinionated History of Mathematics* podcast.

#### [Piotr Błaszczyk \(University of Cracow\)](#)

#### [Eugene Boman \(Penn State\)](#)

Eugene Boman earned his PhD in 1993 at the University of Connecticut, studying Numerical Linear Algebra with Dr. Israel Koltracht. He joined the Pennsylvania State University in 1996, teaching first at the DuBois campus from 1996 to 2006, and at the Harrisburg campus thereafter. He received the MAA's Allendorfer Award for mathematical exposition in 2008, and spends his time these days indulging a lifelong interest in the history of mathematics.

#### [Robert E. Bradley \(Adelphi University\)](#)

Rob Bradley (bradley@adelphi.edu) is a professor of Mathematics at Adelphi University. He's the president of the Euler Society, past president of the CSHPM (Canadian Society for History and Philosophy of Mathematics), and past Chair of HOMSIGMAA (the History of Mathematics Special Interest Group of the MAA). With Ed Sandifer, he wrote *Cauchy's Cours d'analyse: An Annotated Translation* and edited *Leonhard Euler: Life, Work and Legacy*. He and Ed collaborated with Salvatore Petrilli on the definitive English translation of *l'Hôpital's Analyse des infiniment petits*.

#### [Bruce Burdick \(Roger Williams University\)](#)

Bruce Burdick is a professor of mathematics at Roger Williams University. He is the author of *Mathematical Works Printed in the Americas, 1554-1700*.

#### [João Caramalho Domingues \(University of Minho\)](#)

João Caramalho Domingues is a lecturer / assistant professor at the Department of Mathematics of University of Minho (Braga, Portugal). His PhD thesis (Middlesex

University, 2004) was published as Lacroix and the calculus (Birkhauser, 2008). Since 2010 he has been in the board of the Portuguese National Seminar on History of Mathematics.

#### [Lawrence D'Antonio \(Ramapo College\)](#)

Lawrence D'Antonio is a Professor of Mathematics at Ramapo College of New Jersey. His interest in the history of mathematics has centered around the 18th century, especially the work of Leonhard Euler. He is a co-editor (along with Robert Bradley and C. Edward Sandifer) of Euler at 300, a collection of essays in honor of Euler's tercentenary. He is currently at work on a book for Springer-Verlag to be titled Newton's Headache, which discusses Newton's failure to solve the apsidal problem.

#### [Gregg De Young \(American University in Cairo\)](#)

Gregg De Young is a historian who wandered into mathematics by mistake and has never been able to escape. He received his PhD in History of Science from Harvard University in 1981. His thesis, under the direction of the late A. I. Sabra, focused on the Arabic versions of the Arithmetical Books of Euclid's Elements. His research continues to focus on development of Euclidean geometry throughout the medieval Islamic world, as well as vernacular translations of European geometry textbooks in the Middle East during the nineteenth century. He has been teaching the freshman course "Scientific Thinking" and "Science and Technology in ancient Egypt" at the American University in Cairo since 1990. His current research focuses on preparation of critical editions of Ibn al-Haytham's commentaries on Euclid's Elements.

#### [Dalia Deias \(Université de Bordeaux\)](#)

Dalia Deias is a doctoral candidate at the Centre Alexandre Koyré, and teaches history of science at the Université de Bordeaux.

#### [Sloan Despeaux \(Western Carolina University\)](#)

#### [Anne Duffee \(University of the South in Sewanee\)](#)

Anne Duffee is an Assistant Professor of Mathematics at the University of the South in Sewanee, TN. She holds a PhD from the University of Alabama and a B.A. from St. John's College, Annapolis, MD. Her research interests lie in harmonic analysis, the history of mathematics (particularly the history of analysis and geometry), and philosophy of mathematics.

#### [Della Dumbaugh \(University of Richmond\)](#)

Della Dumbaugh is Professor of Mathematics and Mathematics Coordinator at the University of Richmond and an Associate Editor of the Notices of the American Mathematical Society. She is a recent recipient of the John M. Smith Award for Distinguished University Teaching from the Mathematical Association of America.

#### [Adam Dunn \(St Andrews\)](#)

I recently received my PhD in history from the University of St Andrews. I received my Masters degree in history also at St Andrews and my undergraduate degree in the same subject from the University of York. I am currently teaching at the University of St Andrews.

[David Dunning \(Princeton\)](#)

[Ella Duréault \(St Andrews\)](#)

Ella Duréault has a Master's degree in digital technologies (Ecole des chartes, Paris, 2018), a bachelor's degree in art history (Ecole du Louvre, Paris, 2018) and is currently a postgraduate student in Museum and Gallery Studies at the University of St Andrews.

[Eduardo Dorrego López \(IMUS Seville\)](#)

Eduardo Dorrego López is a graduate student at IMUS (Seville), where he is pursuing his PhD in History of Mathematics in the Research Line of Mathematical Analysis under the supervision of Jos Ferreirs and Guillermo Curbera. During the summer of 2018, he was at the University of Oxford as visiting student in the Research Group on History of Mathematics headed by Dr. Chistopher Hollings, consulting primary sources and writing his thesis. His main interests lie in irrationality- and transcendental-related issues in the 18th and 19th centuries with special attention to Lambert's work, and in the concept of infinity from both a historical and a philosophical perspective, particularly in connection with Cantor's thoughts. Besides, he is Teacher of Mathematics of Secondary School.

[Abe Edwards \(Michigan State University\)](#)

Richard "Abe" Edwards, Ph.D. is a teaching professor of mathematics at Michigan State University. He works alongside a unique mix of mathematicians, physicists, chemists, biologists, historians, philosophers, and sociologists to help bridge the sciences and humanities through interdisciplinary teaching and research. His own research focuses on the influences of culture and society on the history of mathematics, as well the value of using primary historical sources in the classroom. He leads a study abroad program to Italy, France, and the United Kingdom where students study mathematics within its historical and social contexts.

[Kenneth Falconer \(St Andrews\)](#)

Kenneth Falconer is a pure mathematician who works on mathematical analysis, in particular fractal geometry, a subject on which he has written four books and over 100 papers. After positions at Cambridge and Bristol he moved to St Andrews in 1993, becoming Regius Professor of Mathematics in 2017.

[José Ferreirós Domínguez \(Universidad de Sevilla\)](#)

José Ferreirós is professor of Logic and Philosophy of Science at the Universidad de Sevilla, Spain. A former Fulbright Fellow at UC Berkeley, and member of the Academie Internationale de Philosophie des Sciences, he was founding member and first president of the APMP (Association for Philosophy of Mathematical Practices). Among his publications one finds *Labyrinth of Thought* (Birkhauser, 1999), a history of set theory and its role in modern maths, the monograph *Mathematical Knowledge and the Interplay of Practices* (Princeton UP, 2016), an intellectual biography of Riemann (*Riemanniana Selecta*, CSIC, Madrid, 2000), and the collective volume *The Architecture of Modern Mathematics* (Oxford UP, 2006).

### [Georgina Ferry \(Independent\)](#)

Georgina Ferry is a science writer and broadcaster, based in Oxford. Her books include "Dorothy Crowfoot Hodgkin: a life" and "A computer called LEO", an account of the world's first office computer.

### [Raymond Flood \(Oxford\)](#)

Raymond Flood is Emeritus Fellow and a member of the Continuing Education Department at Kellogg College, Oxford, and has been a Professor of Geometry at Gresham College. He was President of the British Society for the History of Mathematics from 2006 until 2009, and also Research Associate in the School of Theoretical Physics, Dublin Institute for Advanced Studies. He is active in communicating mathematics and its history to non-specialist audiences.

### [Craig Fraser \(University of Toronto\)](#)

I teach history of mathematics and astronomy at the Institute for the History and Philosophy of Science and Technology of the University of Toronto. I am currently Vice-President of the Canadian Society for the History and Philosophy of Mathematics and former Chair of the International Commission for the History of Mathematics. My main research interests are in the history of analysis and mechanics from the eighteenth to the early twentieth centuries. I am also interested in the history of mathematical foundations and in relativistic cosmology in the twentieth century.

### [Pedro Freitas \(Universidade de Lisboa\)](#)

### [Michael Friedman \(Humbolt University Berlin\)](#)

### [Elias Fuentes Guillén \(National Autonomous University of Mexico\)](#)

Elias Fuentes Guillén is a postdoctoral fellow at the National Autonomous University of Mexico. In 2017 he obtained a PhD in Logic and Philosophy of Science from the University of Salamanca, under the supervision of José Ferreiros and María Manzano, and in 2018 he was awarded the Josef Dobrovský Fellowship by the Czech Academy of Sciences. He is a member of the Association for the Philosophy of Mathematical Practice and the Internationale Bernard Bolzano-Gesellschaft. His research focuses on the development of the modern notion of number. His recent publications include "The notion of variable quantities in Bolzano's early works" (*Historia Mathematica*).

### [Valeria Giardino \(CNRS\)](#)

Valeria Giardino is Researcher at the CNRS (Centre National de la Recherche Scientifique), affiliated to the Henri Poincaré Archives in Nancy, France. She studied Logic and Epistemology at the University of Rome La Sapienza where she also obtained her PhD. She worked as a Postdoc at the Institut Jean Nicod in Paris, at Columbia University, at the University of Seville, at the Freie University of Berlin, and at the École Normale Supérieure of Paris. Her main research interests are the philosophy of the mathematical practice, and in particular the role and the functioning of visual representations for mathematical reasoning.



#### [M. Pilar Gill \(St Andrews\)](#)

M. Pilar Gil holds a Ph.D. in Chemistry and a Masters in Immunology from the Universitat de Barcelona and a Master's degree in Museum and Gallery Studies from the University of St Andrews.

#### [Eduardo N. Giovannini \(CONICET/Universidad Nacional del Litoral\)](#)

I am an Assistant Researcher at the National Council of Scientific and Technological Researches (CONICET) and an Assistant Professor at the Universidad Nacional del Litoral (Argentina). From February 2020, I will be a Senior Postdoctoral Fellow at the University of Vienna, based on a Lise Meitner grant funded by the FWF-Austrian Science Fund. My main research areas include the history and philosophy of mathematics, particularly nineteenth and early twentieth geometry, as well as the history and philosophy of logic. I have published several research articles on peer-reviewed international journals on topics related to the philosophy of geometry, and a research monograph (College Publications) on David Hilbert's axiomatic conception of geometry.

#### [Mary W. Gray \(American University\)](#)

#### [Harald Gropp \(Heidelberg University\)](#)

I have worked in mathematics and in the history of mathematics and astronomy also touching neighbouring areas such as cultural history in general.

In mathematics, the main focus is on combinatorics, finite geometry, graph theory, and operations research. Graphs are mathematical structures consisting of vertices and edges joining the vertices and describing relations. The best example of a graph in the field of cartography is probably the Tabula Peutingeriana. Graph theory was already developed in the 19th century and is much better established than the so called network theory, its weaker counterpart in many sciences.

Historically, the work of Ramon Llull is related to graph theory. Via Kircher, Leibniz and Euler, combinatorics developed into the 18th century and prepared the development of graph theory as such. Concerning the evolution of the four mathematical sciences of the quadrivium it was astronomy and geometry which were closely related to geography and cartography, even before the times of Ptolemy.

Apart from the above described background, I have always been deeply interested in the history of discoveries and the cultural relations of different civilizations in history, such as pre-Columbian American or Celts.

#### [Stefano Gulizia \(Polish Institute of Advanced Studies\)](#)

Stefano Gulizia is a historian of early modern science and philosophy, with a focus on forms of intellectual coordination. Trained as a classicist in Milan, he taught extensively in the U.S. (after his PhD from Indiana University) and held fellowships in California, Oxford, Chicago, Montréal, Berlin and Wolfenbüttel. He is currently a fellow at the PIASt in Warsaw, writing a monograph on the reception of Aristotelian natural philosophy in Central Europe; he serves on the board of the association Scientiae. Recent publications include "Ruscelli's Book of Secrets in Context" in *Society and Politics*; "Printing and Instrument Making in the Early Modern Atlantic, 1520-1600" in *Nuncius*; "The Ethics of Typography in *Festina lente*" in *Erasmus Studies*; and "Diego Hurtado de Mendoza and the Shifting Telos of Traveling Libraries" in *Pacific Coast Philology*. He is the editor of a forthcoming anthology on imperial bureaucracy and artificial life.

#### Geoff Hagopian (College of the Desert)

Geoff Hagopian is in his third decade of teaching mathematics at College of the Desert in Palm Desert, CA. He has a B.A. in math from UC Santa Cruz and a M.A. in math from UC Davis.

#### Henning Heller (University of Vienna)

#### Gavin Hitchcock (Retired)

Gavin Hitchcock has an honours degree in mathematics from Oxford and a PhD in topology from Keele. At the University of Zimbabwe, he taught many core undergraduate courses in mathematics, as well as topology, analysis and history of mathematics, and was involved for many years in mathematics enrichment and mathematics competitions training. He has recently retired from the University of Stellenbosch, where he facilitated and managed interdisciplinary training programmes, and monitored and evaluated the training of postgraduate students in epidemiological modelling. He has presented numerous dialogues in the history of mathematics at conferences, most recently, BSHM-IHoM 2019 (Maynooth), HPM 2018 (Oslo, where a workshop in using theatre was also facilitated), HPM 2016 (Montpellier), MAA 2015 (Washington).

#### Christopher Hollings (Oxford)

Christopher Hollings is Departmental Lecturer in Mathematics and its History at the Oxford Mathematical Institute and Clifford Norton Senior Research Fellow in the History of Mathematics at The Queen's College, Oxford. He researches various aspects of the mathematics of the nineteenth and twentieth centuries.

#### David Horowitz (St Andrews)

David Horowitz taught mathematics for over thirty years at Golden West College, Huntington Beach, CA. He recently attended the University of St. Andrews as a postgraduate student and received a master's degree in Intellectual History. His thesis explored various analytical calculations for the precise dating of the Second Coming offered by seventeenth- and eighteenth-century English mathematicians. He resides in Las Vegas with three Japanese chin and his son. Only one of them actually obeys.

#### Meredith Houlton (St Andrews)

Meredith Houlton majored in Mathematics and Classical Studies at Duke University. She is a first year postgraduate student in the School of Mathematics and Statistics at the University of St Andrews specializing in the History of Mathematics.

#### Cynthia Huffman (Pittsburg State University)

Cynthia Huffman is a University Professor of Mathematics at Pittsburg State University. She is currently the Secretary/Treasurer of the Mathematical Association of America History of Mathematics Special Interest Group (HOM SIGMAA). During a recent sabbatical, Dr. Huffman was a research fellow of the Linda Hall Library of Science, Engineering, and Technology. The focus of her fellowship was on the mathematical holdings in the Rare Book Room from the History of Science collection. She is especially interested in the use of original sources in the teaching of mathematics.



Deborah Kant (University of Konstanz)

Alexandra Kapitou (American University, Washington DC)

Alexandra Kapatou is a senior professorial lecturer in the Department of Mathematics and Statistics at American University, in Washington DC, since 2011; she is also the Director of the Statistical Consulting Center at American University since 2013. She earned a Ph.D. in statistics from Virginia Tech in Blacksburg, Virginia.

Brendan Larvor (University of Hertfordshire)

Brendan Larvor studied philosophy and mathematics at Balliol College before embarking on a brief career as a systems analyst. He quickly resumed his studies in philosophy, taking an MA from Queen's University Ontario before returning to Balliol to work for a DPhil. He taught at the Universities of Liverpool and Oxford before joining Hertfordshire in 1997. He specialises in the history and philosophy of mathematics and science and has developed a philosophical interest in pedagogy in mathematics education.

Jemma Lorenat (Pitzer College)

Joseph Luke (St Andrews)

Joseph Luke is a Laidlaw Scholar reading an integrated masters degree in Mathematics at St Andrews University. His research, conducted over two summers, focuses on 'female computers' in the interwar period.

Alison Maidment (Open University)

Ursula Martin (Oxford)

Ursula Martin is a computer scientist and mathematician, based in Oxford and Edinburgh. She recently led new research on the mathematical archives of Ada Lovelace.

Betty Mayfield (Hood College)

Betty Mayfield taught at Hood College in Frederick, Maryland for almost forty years, where she was Professor and Chair of the Department of Mathematics. She developed a course there in the history of mathematics which ultimately became the capstone course for the mathematics major. She also supervised students in independent research projects in the history of mathematics. She has written about those experiences, and about Gerbert, in several MAA journals.

Manuel Medrano (St Andrews)

Manuel Medrano is a PhD Student and Marshall Scholar in the Department of Social Anthropology at the University of St Andrews. As a computational anthropologist, he utilizes multivariate statistics and data science techniques with an aim of deciphering khipus—the yet-undeciphered knotted string recording devices used in the former Inka Empire of South America. His research synthesizes archaeological, historical and ethnographic data from the colonial Andes, with emphasis on the economic transformations endured by the Inkas following the Spanish conquest in 1532. In addition to ongoing research on colonial-era khipu data, Manuel studies archaeological khipus in worldwide collections as a researcher for Harvard's Khipu Database Project.

Manuel holds an A.B. from Harvard College, magna cum laude with highest honors, in Applied Mathematics.

[Athenasia Megremi \(National and Kapodistrian University of Athens\)](#)

[Duncan Melville \(St Lawrence University\)](#)

Duncan J. Melville is the Martha E.'62 and Gregg E. Peterson Professor of Mathematics at St. Lawrence University. He is currently working on British mathematics and mathematical education in the 18th and early 19th centuries.

[Nicolas Michel \(Université de Paris - Sphère\)](#)

Nicolas Michel is a doctoral candidate at Université de Paris - Sphère, France.

[Anuj Misra \(University of Copenhagen\)](#)

Dr Anuj Misra is a Marie Skłodowska-Curie fellow at the Department of Cross-Cultural and Regional Studies, University of Copenhagen. Dr Misra completed his PhD in Mathematics from the University of Canterbury (New Zealand) in 2016 with a dissertation on the development of geometrical thought in seventeenth-century Sanskrit mathematical astronomy. His research focuses on Early Modern Exchanges in Sanskrit Astral Sciences, in particular, the Islamic influences in Sanskrit astronomical texts of early modern Mughal India.

[Amirouche Moktefi \(Tallinn University of Technology\)](#)

Amirouche Moktefi is lecturer in Philosophy and member of the Ragnar Nurkse Department of Innovation and Governance at Tallinn University of Technology, Estonia. His interests include the history of symbolic logic, Victorian geometry, visual reasoning, and the philosophy of mathematical practices. He is member of the editorial board of the British Journal for the History of Mathematics. He recently co-edited, with Robin Wilson, *The Mathematical World of Charles L. Dodgson (Lewis Carroll)* at Oxford University Press, 2019.

[Mary Monro \(Independent\)](#)

Mary Monro is an osteopath based in Edinburgh. She was formerly a marketing consultant, with PriceWaterhouseCoopers. Her memoir of her war hero father, *Stranger In My Heart*, was published by Unbound in 2018. She is currently writing a book about Dora Metcalf, who was her great aunt.

[Rogério Monteiro \(São Paulo\)](#)

Rogério Monteiro is associate professor of history of science at the University of São Paulo, Brazil, second vice president of the Brazilian Society for history of science and Technology, and associate editor of the Brazilian Journal of History of Science. His research relates mainly to cultural history of science and mathematics in Nineteenth and Twentieth century. One particular focus of his research is on history of books and periodicals, and the history of mathematical community in Brazil. Nowadays, his project deals with the trade of scientific periodicals in Brazil, its connections in Europe, especially in France, and the transatlantic circulation of mathematical theories.

### Colm Mulcahy (Spelman College)

Colm Mulcahy got his BSc and MSc in mathematical science at University College Dublin in 1978 and 1979, and a PhD from Cornell University in 1985 where his advisor was Alex F. T. W. Rosenberg. From 1988 to 2020, he taught mathematics at Spelman College, in Atlanta, Georgia, and is now Professor Emeritus.

### Madeline Muntersbjorn (University of Toledo)

Muntersbjorn wrote a dissertation on algebraic reasoning and representation in the quadrature work of Fermat in the 1640s. More recently, her work has focused on Henri Poincaré as a post- evolutionary philosopher of mathematics and science. She thinks mathematics is neither created nor discovered but cultivated, like domesticated species and cultural values.

### Jorge Nuno Silva (University of Lisbon)

### Jenne O'Brien (Princeton)

### John O'Connor (St Andrews)

John O'Connor worked in the Mathematics Department at the University of St Andrews for 40 years before retiring in 2010. He specialised in topology, groups and semigroups, with an increasing interest in the history of mathematics. Together with Edmund Robertson he set up MacTutor, first as a mathematics teaching package, which then evolved into the vast MacTutor History of Mathematics Archive.

### Richard Oosterhoff (University of Edinburgh)

### Maurice O'Reilly (Dublin City University)

Maurice O'Reilly began his career as a numerical analyst (working on finite difference method for nonlinear singularly perturbed differential equations). After lecturing in mathematics for a decade in Ireland, he spent three years at the University of Dar es Salaam, Tanzania (1991-4) where he developed a keen interest in aspects of mathematics education. On his return to Ireland he chanced on Carl Boyer's A History of Mathematics which set him in the direction of the 'HPM' community at their ICME-11 Topic Study Group (TSG) in Monterrey (2008). Since then he has participated at several HPM meetings. He served as president of the Irish Mathematical Society (2005-6) and led the Irish National Presentation on mathematics education at ICME-13 in Hamburg (2016). He was head of the Mathematics Department at St Patrick's College Drumcondra, Dublin until the incorporation of that institution in Dublin City University in 2016 when he joined the School of STEM Education, Innovation and Global Studies in DCU Institute of Education. His initial historical interests were in the mathematics of early medieval Ireland (the computus and geometry, 7th-9th centuries); later he took an interest in early modern mathematics (through the significant collections in the Edward Worth and Marsh's libraries in Dublin), and, in particular, supporting students in their encounter with original sources. His other research interests include 'mathematical identity' and related constructs in the area of affect in mathematics education.

### Daniel Otero (Xavier)

Daniel E. Otero is Associate Professor of Mathematics at Xavier University in Cincinnati, Ohio. He has long been interested in finding ever more effective ways to use the history of mathematics in teaching the subject. Currently, he is a member of TRIUMPHS (Transforming Instruction in Undergraduate Mathematics via Primary Historical Sources), a multi-year, multi-institution collaborative effort to develop, test and evaluate classroom materials which can be used in the teaching of a wide range of topics across the tertiary mathematics curriculum

### Karen Parshall

Karen Parshall is the Commonwealth Professor of History and Mathematics at the University of Virginia with a joint appointment in the Corcoran Department of History and Department of Mathematics. Her academic specialty is the development of mathematics in the USA in the late 19th century and early 20th century, particularly the Chicago School, and she has also worked on the history of algebra. In 2018 she won the Albert Leon Whiteman Memorial Prize of the American Mathematical Society 'for her outstanding work in the history of mathematics, and in particular, for her work on the evolution of mathematics in the USA and on the history of algebra, as well as for her substantial contribution to the international life of her discipline through students, editorial work, and conferences.'

### Frédéric Patras (CNRS, Université de Nice Sophia-Antipolis)

Frédéric Patras is CNRS Director of research at Université de Nice Sophia-Antipolis. He specialises in algebraic combinatorics and the philosophy of mathematics. His recent book 'The Essence of Numbers' considers the manifold possible approaches, past and present, to our understanding of the natural numbers, treated as epistemic objects.

### Raffaele Pisano (Lille University)

### Madeline Polhill (University of Richmond)

Madeline Polhill is a student at the University of Richmond in Richmond, Virginia, USA. She studies mathematics, the history of mathematics, computer science, education and religious studies.

### Simon Dumas Primbault (EPFL Switzerland)

Simon Dumas Primbault is a postdoctoral researcher at EPFL, Switzerland.

### Sam Riley (Simon Fraser)

Sam Riley is a current PhD student at Simon Fraser University in Mathematics Education. Her research focus is on the History of Mathematics Education, largely around how the changing nature of algebra in the 1700s and 1800s effected the understanding and presentation of logarithms in textbooks. She has previously presented at the Lilly Conference in Austin, Texas, Mathematics Education Doctoral Students conference in Vancouver Canada, and at the International Conference for the History of Mathematics Education in Marseilles, France.

### Edmund Robertson (St Andrews)

Edmund Robertson is a professor emeritus of pure mathematics at the University of St Andrews. He was an undergraduate at St Andrews and took his PhD at the University of

Warwick. He has written many papers on group theory. Together with John O'Connor he set up MacTutor, first as a mathematics teaching package, which then evolved into the vast MacTutor History of Mathematics Archive.

#### [Robert Rogers \(SUNY Fredonia\)](#)

Robert Rogers is a State University of New York Distinguished Teaching Professor of Mathematics. He has been a member of the faculty at SUNY Fredonia since 1987. He is a former chair and governor of the Mathematical Association of America Seaway Section, past president of the Association of Mathematics Teachers of New York State, and is currently a board member of the NYS STEM Education Collaborative. He is former editor of the New York State Mathematics Teachers' Journal. He is coauthor of the textbook "How We Got from There to Here: A Story of Real Analysis" available through the SUNY Open Textbook Program. He is a recipient of the SUNY Fredonia President's Award for Excellence in Teaching, the MAA Seaway Section's Clarence F. Stevens' Distinguished Teaching Award, and MAA-Seaway Section Distinguished Service Award. He is a member of the NYS Mathematics Educators' Hall of Fame.

#### [Tabea Rohr \(University of Jena\)](#)

#### [David Ruch \(Metropolitan State University of Denver\)](#)

David Ruch is a Professor of Mathematics at the Metropolitan State University of Denver, where he teaches a wide variety of undergraduate courses and has done research in functional analysis and wavelet theory. Over the past decade, he has become interested in using the History of Mathematics in his teaching, particularly Primary Source Projects (PSPs). He has written and used eleven PSPs as an external author for the TRIUMPHS project, most recently in the area of complex variables.

#### [Dirk Schlimm \(McGill University\)](#)

Dirk Schlimm is Associate Professor in the Department of Philosophy. He received his PhD from Carnegie Mellon University in 2005, and studied previously at Trinity College Dublin and Technical University of Darmstadt. His research interests fall into the areas of history and philosophy of mathematics and science, epistemology, and cognitive science. In particular, he is interested in the developments in the 19th and early 20th century that led to the emergence of modern mathematics and logic, and in systematic investigations regarding axiomatics, the use of notation, analogical reasoning, concept formation, and theory development. He is also involved in editorial projects of the works of Pasch, Hilbert, Bernays, and Carnap. He is the current president of the Association for the Philosophy of Mathematical Practice (APMP) and past-president of the Canadian Society for History and Philosophy of Mathematics (CSHPM).

#### [Philippe Schmid \(St Andrews\)](#)

Philippe Schmid was educated at Basel and was a fellow at the Herzog August Library in Wolfenbüttel in 2017. Currently he is a Ph.D. candidate in Modern History at the University of St Andrews funded with an AHRC studentship. His thesis is supervised by Andrew Pettegree and he studies book collecting culture in early modern Germany.

#### [Reinhard Siegmund Schultze \(University of Agder, Kristiansand\)](#)

Charlotte K. Simmons (University of Central Oklahoma)

Charlotte K. Simmons is the Associate Vice President for Academic Affairs at the University of Central Oklahoma (UCO) and former Dean of the UCO College of Mathematics and Science. A Professor of Mathematics and Statistics at the same university, she continues to teach and author manuscripts on topics related to the History of Mathematics. Dr. Simmons serves at the national level as a Council for Undergraduate Research (CUR) Councilor and Executive Board member.

Jorge Nuno Silva (Universidade de Lisboa)

Anna Kiel Steensen (ETH Zurich)

Anna Kiel Steensen is a doctoral student at the Chair of History and Philosophy of Mathematical Sciences, ETH Zurich. Anna studied mathematics at the University of Copenhagen, specializing in algebraic topology. The focus of her doctoral research is the semiotics of mathematics.

Brigitte Stenhouse (Open University)

Brigitte Stenhouse is a doctoral candidate at the Open University, UK.

James Tattershall (BSHPM, CSHPM)

Valerie Lynn Therrien (McGill University)

Valerie Therrien is a PhD student at McGill University. This talk expands on research undertaken for her MA thesis under John L. Bell and included a visit to the Warsaw State Archives, as well as much translation work. Whereas the subject of her thesis was the philosophical import of the debates and subsequent acceptance of the axiom of choice, this talk will be less about the axiom of choice, and more about the mathematical cultures that distinguished the axiom of choice's opponents and defenders along these cultural lines.

Laura Turner (Monmouth College)

Anne van Weerden (Utrecht)

Anne van Weerden works in the Utrecht University Library as an Information / Collection specialist. She has a background in physics, and her interests, in particular the history of vector analysis, led to her in-depth study of the very unhappy reputation of Sir William Rowan Hamilton.

Lukas M. Verburgt (Utrecht University)

Lukas M. Verburgt is a post-doctoral researcher at Utrecht University (History and Philosophy of Science). He has published widely on nineteenth- and early-twentieth century British logic and mathematics in journals such as *Historia Mathematica* and *Annals of Science*.

Sandra Visokolskis (National University of Córdoba)

Sandra Visokolskis. Adjunct Professor in charge of the chair for Philosophy of Mathematics, National University of Córdoba, Córdoba, Argentina. Adjunct Professor in charge of the chair



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Education: PhD in Philosophy (Thesis: Creativity in Mathematics). Facultad de Filosofía y Humanidades. Universidad Nacional de Córdoba. Córdoba. Argentina. Bachelor in Mathematics. Facultad de Matemática, Astronomía y Física, Universidad Nacional de Córdoba, Córdoba, Argentina. Master in Higher Education. Universidad Diego Portales. Santiago de Chile. Chile. Specialist in Higher Education. Universidad Católica de Cuyo. San Juan. Argentina.

#### [David Waszek \(McGill University\)](#)

David Waszek initially studied mathematics at the École Normale Supérieure in Paris and at the University of Cambridge, and in 2018 obtained a PhD in philosophy (specialising in the history and philosophy of mathematics) from the Université Paris 1 Panthéon-Sorbonne. He is currently a post-doctoral researcher at McGill University.

#### [Diana White \(University of Colorado Denver\)](#)

Diana White is an associate professor of mathematics and mathematics education at the University of Colorado Denver. Her scholarly interests include the history of mathematics, inquiry-based learning, math circles for students and teachers, and professional development of mathematics faculty and graduate students. More recently, she has developed a strong interest in higher education leadership and conflict resolution, volunteering as a mediator for a local nonprofit that provides community mediation service.

#### [Benjamin Wilck \(Humbolt University Berlin\)](#)

#### [Robin Wilson \(Open University\)](#)

Robin Wilson is an Emeritus Professor in the Department of Mathematics at the Open University, having previously been Head of the Pure Mathematics Department and Dean of the Faculty. He specialises in graph theory and the history of mathematics. He was Gresham Professor of Geometry from 2004-08 and President of the BSHM from 2012-14.

#### [Maria Zack \(Point Loma Nazarene University\)](#)

Maria Zack is Professor and Chair of Mathematical, Information and Computer Sciences at Point Loma Nazarene University in San Diego, California, USA. Her research interests include the history of mathematics, the intersection of mathematics and architecture, the history of engineering, and the philosophy of higher education. She currently serves as the President of the Canadian Society for History and Philosophy of Mathematics (CSHPM) and is the co-editor, with Dirk Schlimm, of the CSHPM's annual volume of research papers.