## Reference and Book List

The Reference section of the Notices is intended to provide the reader with frequently sought information in an easily accessible manner. New information is printed as it becomes available and is referenced after the first printing. As soon as information is updated or otherwise changed, it will be noted in this section.

## Contacting the Notices

The preferred method for contacting the Notices is electronic mail. The editor is the person to whom to send articles and letters for consideration. Articles include feature articles, memorial articles, communications, opinion pieces, and book reviews. The editor is also the person to whom to send news of unusual interest about other people's mathematics research.

The managing editor is the person to whom to send items for "Mathematics People", "Mathematics Opportunities", "For Your Information", "Reference and Book List", and "Mathematics Calendar". Requests for permissions, as well as all other inquiries, go to the managing editor.

The electronic-mail addresses are notices@math.tamu.edu in the case of the editor and notices@ams.org in the case of the managing editor. The fax numbers are 979-845-6028 for the editor and 401-331-3842 for the managing editor. Postal addresses may be found in the masthead.

## Upcoming Deadlines

April 2, 2001: Proposals for NSF Internships for Public Science Education. See "Mathematics Opportunities" in this issue.

April 9, 2001: Proposals for 2002 NSF-CBMS Regional Conferences. See "Mathematics Opportunities" in this issue.

April 9-11, 2001: Full proposals for group projects for NSF Information Technology Research Program. See http://www.itr.nsf.gov/.

April 13, 2001: Applications for Project NExT. See http: //archives. math.utk.edu/projnext/.

April 15, 2001: Applications for the fall 2001 semester of "Math in Moscow" program for students. See http://www.mccme.ru/ mathinmoscow/ or send e-mail to mim@mccme.ru.

April 15, 2001: Applications for the second competition for NRC Research Associateships. See http:// www4.nationalacademies.org/ osep/rap/, or contact the National

## Where To Find It

A brief index to information that appears in this and previous issues of the Notices.
AMS Bylaws-November 1999, p. 1252
AMS e-Mail Addresses-November 2000, p. 1288
AMS Ethical Guidelines-June 1995, p. 694
AMS Officers 1999 and 2000 (Council, Executive Committee, Publications Committees, Board of Trustees)-May 2000, p. 591
AMS Officers and Committee Members-October 2000, p. 1127
Conference Board of the Mathematical Sciences-September 2000, p. 913
Information for Notices Authors-January 2001, p. 39
Mathematics Research Institutes Contact Information-August 2000, p. 786

National Science Board—February 2001, p. 216
New Journals for 1999—June/July 2000, p. 688
NRC Board on Mathematical Sciences and Staff-April 2001, p. 427
NRC Mathematical Sciences Education Board and Staff—April 2000, p. 494
NSF Mathematical and Physical Sciences Advisory Committee—March 2001, p. 328

Program Officers for Federal Funding Agencies (DoD, DoE, NSF)October 2000, p. 1100; November 2000, p. 1291

Research Council, Associateship Programs (TJ 2114), 2101 Constitution Avenue, NW, Washington, DC 20418; telephone 202-334-2760; fax 202-3342759; e-mail: rap@nas.edu.

April 23-25, 2001: Full proposals for large projects for NSF Information Technology Research Program. See http://www.itr.nsf.gov/.

April 30, 2001: Nominations for the Maria Mitchell Women in Science Award. See http://www.mmo.org/, or contact the Maria Mitchell Women in Science Award Committee at the Maria Mitchell Association, 2 Vestal Street, Nantucket, MA 02554; telephone 508-228-9198.

May 1, October 1, 2001: Applications for NSF/AWM Travel Grants for Women. See http://www. awm-math. org/trave1grants.htm1; telephone 301-405-7892; e-mail: awm@math. umd.edu.

May 1, 2001: Burroughs Wellcome Fund Career Awards at the Scientific Interface. See http://www.bwfund. org/interfaces_in_science.htm, or call Debi Linkous, program associate, telephone 919-991-5116.

August 15, 2001: Applications for the third competition for NRC Research Associateships. See http:// www4.nationalacademies.org/ osep/rap/, or contact the National Research Council, Associateship Programs (TJ 2114), 2101 Constitution Avenue, NW, Washington, DC 20418; telephone 202-334-2760; fax 202-334-2759; e-mail: rap@nas .edu.

September 30, 2001: Applications for the spring 2002 semester of "Math in Moscow" program for students. See http://www.mccme.ru/ mathinmoscow/ or send e-mail to mim@mccme.ru.

October 1, 2001: Nominations for the Emanuel and Carol Parzen Prize. Submit nominations to J. H. Matis, Department of Statistics, Texas A\&M University, College Station, TX 778733143.

## Board on Mathematical Sciences, National Research Council

Peter J. Bickel (chair), University of California, Berkeley
George Casella, University of Florida Jennifer Chayes, Microsoft Research

David Eisenbud, University of California, Berkeley
Raymond L. Johnson, University of Maryland
Iain M. Johnstone, Stanford University
Dianne P. O'Leary, University of Maryland
Alan S. Perelson, Los Alamos National Laboratory
George C. Papanicolaou, Stanford University
William R. Pulleyblank, IBM T.J. Watson Research Center Vladimir Rokhlin, Yale University
Karen E. Smith, University of Michigan
DeWitt L. Sumners, Florida State University
Srinivasa S. R. Varadhan, New York University
Sallie Keller-McNulty (ex officio), Los Alamos National Laboratory
Scott Weidman, BMS Director
The postal address for BMS is: Board on Mathematical Sciences, National Research Council, Room HA476U, 2101 Constitution Avenue, NW, Washington, DC 20418; World Wide Web: http://www4. nationalacademies.org/cpsma/ bms.nsf/.

## Book List

The Book List highlights books that have mathematical themes and hold appeal for a wide audience, including mathematicians, students, and a significant portion of the general public. When a book has been reviewed in the Notices, a reference is given to the review. Generally the list will contain only books published within the last two years, though exceptions may be made in cases where current events (e.g., the death of a prominent mathematician, coverage of a certain piece of mathematics in the news) warrant drawing readers' attention to older books. Suggestions for books to include on the list may be sent to the managing editor, e-mail: notices@ams.org.

The Advent of the Algorithm: The Idea That Rules the World, by David Berlinski. Harcourt, March 2000. ISBN 0-151-00338-6.

Angles of Reflection: Logic and a Mother's Love, by Joan L. Richards.
W. H. Freeman, May 2000. ISBN 0-7167-3831-7.
*The Bit and the Pendulum: How the New Physics of Information Is Revolutionizing Science, by Tom Siegfried. John Wiley \& Sons, February 2000. ISBN 0-47132-174-5.

The Brain: Unraveling the Mystery of How It Works (The Neural Network Process), by Thomas L. Saaty. RWS Publications, 2000. ISBN 1-888603-02-X.

The Bride of Science, by Benjamin Woolley. MacMillan, August 1999. ISBN 0-333-72436-4.

Chance Rules: An Informal Guide to Probability, Risk, and Statistics, by Brian S. Everitt. Springer, August 1999. ISBN 0-387-98768-1.

The Crest of the Peacock: The NonEuropean Roots of Mathematics, by George Gheverghese Joseph. Princeton University Press, October 2000 (new edition). ISBN 0-691-00659-8.
*Crypto: How the Code Rebels Beat the Government-Saving Privacy in the Digital Age, by Steven Levy. Viking Press, January 2001. ISBN 0-67085-950-8.

Divine Harmony: The Life and Teachings of Pythagoras, by John Strohmeier and Peter Westbrook. Berkeley Hills Books, November 1999. ISBN 0-965-37745-8.

The Dots and Boxes Game, by Elwyn Berlekamp. A K Peters, July 2000. ISBN 1-568-81129-2.

Duelling Idiots and Other Probability Puzzlers, by Paul J. Nahin. Princeton University Press, October 2000. ISBN 0-691-00979-1.

Education of a Mathematician, by Philip J. Davis. A K Peters, August 2000. ISBN 1-568-81116-0. (Reviewed January 2001.)

Einstein in Love: A Scientific Romance, by Dennis Overbye. Viking Press, October 2000. ISBN 0-670-89430-3.

Excursions into Mathematics: Millennium Edition, by Anatole Beck, Michael N. Cleicher, and Donald W. Crowe. A K Peters, 2000. ISBN 1-56881-115-2.

The Fermat Diary, by C. J. Mozzochi. AMS, 2000. ISBN 0-8218-2670-0.

The Game's Afoot! Game Theory in Myth and Paradox, by Alexander Mehlmann. AMS, 2000. ISBN 0-8218-2121-0.

Geometry from Africa: Mathematical and Educational Explorations, by Paulus Gerdes. Mathematical Association of America, April 1999. ISBN 0-88385-715-4.

Gödel: A Life of Logic, by John L. Casti and Werner DePauli. Perseus, August 2000. ISBN 0-738-20274-6.

Gödel Meets Einstein: Time Travel in the Gödel Universe, by Palle Yourgrau. Open Court, November 1999. ISBN 0-812-69408-2.

Hex Strategy: Making the Right Connections, by Cameron Browne. A K Peters, May 2000. ISBN 1-568-81117-9.

A History of Algorithms: From the Pebble to the Microchip, edited by JeanLuc Chabert. Springer, September 1999. ISBN 3-540-63369-3.

The Kingdom of Infinite Number: A Field Guide, by Bryan Bunch. W. H. Freeman, January 2000. ISBN 0-716-73388-9.

The Math Gene: How Mathematical Thinking Evolved and Why Numbers Are Like Gossip, by Keith Devlin. Basic Books, August 2000. ISBN 0-465-016189. (Reviewed February 2001.)

Mathematics As Sign: Writing, Imagining, Counting, by Brian Rotman. Stanford University Press, September 2000. ISBN 0-804-73684-7.

Mathematics: Frontiers and Perspectives, V. Arnold, M. Atiyah, P. Lax, and B. Mazur, editors. AMS, December 1999. ISBN 0-8218-2697-2.

Mathematics Success and Failure among African American Youth: The Roles of Sociohistorical Context, Community Forces, School Influence, and Individual Agency, by Danny B. Martin. Lawrence Erlbaum Associates, December 1999. ISBN 0-805-83042-1.

Mathematics Unlimited: 2001 and Beyond, Björn Engquist and Wilfried Schmid, editors. Springer, September 2000. ISBN 3-540-66913-2.

My Numbers, My Friends: Popular Lectures on Number Theory, by Paulo Ribenboim. Springer, February 2000. ISBN 0-387-98911-0.

The Mystery of the Aleph: Mathematics, the Kabbalah, and the Search for Infinity, by Amir D. Aczel. Four Walls Eight Windows, November 2000. ISBN 1-568-58105-X.

Newton's Gift: How Sir Isaac Newton Unlocked the System of the World, by David Berlinski. Free Press, October 2000. ISBN 0-684-84392-7.

Niels Hendrik Abel and His Times: Called Too Soon by Flames Afar, by Arild Stubhaug, translated by R. Daly. Springer, May 2000. ISBN 3-540-66834-9.

Number: From Ahmes to Cantor, by Midhat Gazalé. Princeton University Press, March 2000. ISBN 0-691-00515-X.

The Parrot's Theorem, by Denis Guedj. Weidenfeld \& Nicolson, June 2000. ISBN 0-297-64578-1. (To be published in the U.S. by St. Martin's Press, September 2001, ISBN 0-312-28055-6.) (Reviewed March 2001.)

Philosophy of Mathematics: An Introduction to a World of Proofs and Pictures, by James Robert Brown. Routledge, August 1999. ISBN 0-415-12274-0. (Reviewed November 2000.)

Proofs and Confirmations: The Story of the Alternating Sign Matrix Conjecture, by David M. Bressoud. MAA Spectrum Series, published jointly with Cambridge University Press, August 1999. ISBN 0-521-66646-5.

The Pursuit of Perfect Packing, by Tomaso Aste and Denis Weaire. Institute of Physics Publishing, July 2000. ISBN 0-750-30648-3.

Riemann, Topology, and Physics, by Michael Monastyrsky; translated by Roger Cooke, James King, and Victoria King. Birkhäuser, second edition, May 1999. ISBN 3-764-33789-3.

Stephen Smale: The Mathematician Who Broke the Dimension Barrier, by Steve Batterson. AMS, February 2000. ISBN 0-8218-2045-1. (Reviewed December 2000.)

Surfing through Hyperspace: Understanding Higher Universes in Six Easy Lessons, by Clifford A. Pickover. Oxford University Press, September 1999. ISBN 0-195-13006-5.

The Symbolic Universe: Geometry and Physics 1890-1930, edited by Jeremy Gray. Oxford University Press, September 1999. ISBN 0-198-50088-2.

Two Millennia of Mathematics: From Archimedes to Gauss, by George M. Phillips. Springer, July 2000. ISBN 0-387-95022-2.

Uncle Petros and Goldbach's Conjecture, by Apostolos Doxiadis. Bloomsbury USA, February 2000. ISBN 1-582-34067-6. (Reviewed November 2000.)

The Universal Computer: The Road from Leibniz to Turing, by Martin Davis. W.W. Norton \& Company, October 2000. ISBN 0-393-04785-7.

The Universal History of Computing: From the Abacus to the Quantum Computer, by Georges Ifrah; translated from the French and with notes by E. F. Harding, assisted by Sophie Wood, Ian Monk, Elizabeth Clegg, and Guido Waldman. John Wiley \& Sons, November 2000. ISBN 0-471-39671-0.

The Universal History of Numbers: From Prehistory to the Invention of the Computer, by Georges Ifrah; translated from the French by David Bellos, E. F. Harding, Sophie Wood, and Ian Monk. John Wiley \& Sons, December 1999. ISBN 0-471-37568-3.

The Unknowable, by Gregory Chaitin. Springer, August 1999. ISBN 9-814-02172-5.

Where Mathematics Comes From: How the Embodied Mind Brings Mathematics into Being, by George Lakoff and Rafael Nuñez. Basic Books, October 2000. ISBN 0-465-03770-4.

The Wild Numbers, by Philibert Schogt. Four Walls Eight Windows, April 2000. ISBN 1-568-58166-1. (Reviewed November 2000.)

Women Becoming Mathematicians: Creating a Professional Identity in PostWorld War II America, by Margaret A. M. Murray. MIT Press, September 2000. ISBN 0-262-13369-5.

Wonders of Numbers: Adventures in Math, Mind, and Meaning, by Clifford A. Pickover. Oxford University Press, September 2000. ISBN 0-195-13342-0.

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[^0]:    *Added to the "Book List" since the list's last appearance.

