

JOHN KAHILA, of Boston, Massachusetts, died on January 28, 2010. Born on April 24, 1949, he was a member of the Society for 11 years.

J. H. B. KEMPERMAN, of East Brunswick, New Jersey, died on June 12, 2011. Born on July 16, 1924, he was a member of the Society for 59 years.

CLAIRE E. KRUKENBERG, of Charleston, Illinois, died on June 20, 2011. Born on September 16, 1939, she was a member of the Society for 44 years.

RAY G. LANGEBARTEL, of Oak Park, Illinois, died on February 25, 2011. Born on April 27, 1921, he was a member of the Society for 67 years.

MANOHAR L. MADAN, professor at The Ohio State University, died on April 3, 2011. Born on January 6, 1931, he was a member of the Society for 39 years.

MILAN MARES, of the Czech Republic, died on July 25, 2011. Born on May 30, 1943, he was a member of the Society for 17 years.

MIKHAIL VALEREVICH MATVEEV, professor at George Mason University, died on May 17, 2011. Born on December 12, 1958, he was a member of the Society for 13 years.

JOHN E. MAXFIELD, of Placerville, California, died on June 25, 2011. Born on March 17, 1927, he was a member of the Society for 57 years.

D. D. MILLER, of Ormond Beach, Florida, died on June 5, 2011. Born on April 8, 1913, he was a member of the Society for 72 years.

THEODORE MITCHELL, of Atlantic City, New Jersey, died on February 27, 2011. Born in April 1926, he was a member of the Society for 39 years.

BARRETT O'NEILL, of Pacific Palisades, California, died on June 16, 2011. Born on March 26, 1924, he was a member of the Society for 61 years.

T. G. OSTROM, of Pullman, Washington, died on May 12, 2011. Born on January 4, 1916, he was a member of the Society for 64 years.

JOSEPH R. SHOENFIELD, of Durham, North Carolina, died on November 15, 2000. Born on May 1, 1927, he was a member of the Society for 48 years.

YURIJ IVANOVICH PETUNIN, professor at Kiev University, died on June 1, 2011. Born on September 30, 1937, he was a member of the Society for 34 years.

JOSEPH R. SHOENFIELD, of Durham, North Carolina, died on November 15, 2000. Born on May 1, 1927, he was a member of the Society for 48 years.

ROSEMARIE S. STEMMLER, of Potomac, Maryland, died on July 18, 2011. Born on July 27, 1930, she was a member of the Society for 53 years.

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.wustl.edu in the case of the editor and notices@ams.org in the case of the managing editor. The fax numbers are 314-935-6839 for the editor and 401-331-3842 for the managing editor. Postal addresses may be found in the masthead.

Upcoming Deadlines

October 19, 2011: Proposals for NSF Postdoctoral Research Fellowships. See http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5301.

October 30, 2011: Nominations for ICTP Ramanujan Prize. See <http://prizes.ictp.it/Ramanujan/>.

November 1, 2011: Nominations for Clay Research Fellowships. See "Mathematics Opportunities" in this issue.

November 1, 2011: Nominations for CRM-Fields-PIMS Prize. Submit nominations to crm-fields-pims-prize@fields.utoronto.ca.

November 1, 2011: Proposals for AIM Workshops. See www.aimath.org.

November 1, 2011: Applications for November review for National Academies Research Associateship Programs. See the National Academies website at http://sites.nationalacademies.org/PGA/RAP/PGA_050491 or contact Research Associateship Programs, National Research Council, Keck 568, 500 Fifth Street, NW, Washington, DC 20001; telephone 202-334-2760; fax 202-334-2759; email rap@nas.edu.

November 9, 2011: Applications for NSF East Asia and Pacific Summer Institutes (EAPSI). See "Mathematics Opportunities" in this issue.

November 14, 2011: Applications for NRC-Ford Foundation Predoctoral Diversity Fellowships. **November 1, 2011:** Nominations for Clay Research Fellowships. See "Mathematics Opportunities" in this issue.

November 17, 2011: Applications for NRC-Ford Foundation Dissertation and Postdoctoral Diversity Fellowships. **November 1, 2011:**

Nominations for Clay Research Fellowships. See “Mathematics Opportunities” in this issue.

December 1, 2011: Applications for AMS Centennial Fellowship Program. **November 1, 2011:** Nominations for Clay Research Fellowships. See “Mathematics Opportunities” in this issue.

December 1, 2011: Applications for PIMS postdoctoral fellowships. See <http://www.pims.math.ca/scientific/postdoctoral> or contact: assistant.director@pims.math.ca.

December 2, 2011: Entries for the 2012 Ferran Sunyer i Balaguer Prize. See the website <http://ffsb.iec.cat>.

December 15, 2011: Applications for AMS Epsilon Fund grants. See “Mathematics Opportunities” in this issue.

December 21, 2011: Nominations for the Schauder Medal. Contact Lech Gorniewicz, tmna@mat.uni.torun.pl.

December 31, 2011: Nominations for Otto Neugebauer Prize for the History of Mathematics. See <http://www.euro-math-soc.eu/node/995>.

January 1, 2012: Proposals for MSRI Hot Topic Workshops for 2012. See <http://www.msri.org/msri-htw>.

January 1, 2012: Proposals for MSRI Summer Graduate Schools for 2012. See <http://www.msri.org/msri-sgw>.

January 10, 2012: Applications for American Association of University Women (AAUW) Selected Professions Fellowships. See “Mathematics Opportunities” in this issue.

January 13, 2012: Applications for Jefferson Science Fellows (JSF) program. See “Mathematics Opportunities” in this issue.

January 31, 2012: Entries for the Association for Women in Mathematics (AWM) essay contest. See “Mathematics Opportunities” in this issue.

February 1, 2012: Applications for AWM Travel Grants and Mentoring Travel Grants. See <http://www.awm-math.org/travelgrants.html#standard>; telephone: 703-934-0163; or email: awm@awm-math.org; or contact Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

February 12, 2012: Applications for IPAM summer program, Research

in Industrial Projects for Students (RIPS). See www.ipam.ucla.edu.

February 15, 2012: Applications for AMS Congressional Fellowship. See “Mathematics Opportunities” in this issue.

May 1, 2012: Applications for AWM Travel Grants. See <http://www.awm-math.org/travelgrants.html#standard>; telephone: 703-934-0163; or email: awm@awm-math.org; or contact Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

July 10, 2012: Full proposals for NSF Research Networks in the Mathematical Sciences. See http://www.nsf.gov/pubs/2010/nsf10584/nsf10584.htm?WT.mc_id=USNSF_25&WT.mc_ev=click.

October 1, 2012: Applications for AWM Travel Grants. See <http://www.awm-math.org/travelgrants.html#standard>; telephone: 703-934-0163; or email: awm@awm-math.org; or contact Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

NSF Division of Mathematical Sciences

Listed below are names, email addresses, and telephone numbers for the program directors for the present academic year in the Division of Mathematical Sciences (DMS) of the National Science Foundation. The postal address is: Division of Mathematical Sciences, National Science Foundation, Room 1025, 4201 Wilson Boulevard, Arlington, VA 22230. The DMS webpage is <http://www.nsf.gov/div/index.jsp?div=DMS>.

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Where to Find It

A brief index to information that appears in this and previous issues of the *Notices*.

AMS Bylaws—*November 2009*, p. 1320

AMS Email Addresses—*February 2011*, p. 326

AMS Ethical Guidelines—*June/July 2006*, p. 701

AMS Officers 2010 and 2011 Updates—*May 2011*, p. 735

AMS Officers and Committee Members—*October 2011*, p. 1311

Conference Board of the Mathematical Sciences—*September 2010*, p. 1009

IMU Executive Committee—*December 2010*, p. 1488

Information for Notices Authors—*June/July 2011*, p. 845

Mathematics Research Institutes Contact Information—*August 2011*, p. 973

National Science Board—*January 2011*, p. 77

New Journals for 2008—*June/July 2009*, p. 751

NRC Board on Mathematical Sciences and Their Applications—*March 2011*, p. 482

NRC Mathematical Sciences Education Board—*April 2011*, p. 619

NSF Mathematical and Physical Sciences Advisory Committee—*February 2011*, p. 329

Program Officers for Federal Funding Agencies—*October 2011*, p. 1306 (DoD, DoE); *December 2010*, page 1488 (NSF Mathematics Education)

Program Officers for NSF Division of Mathematical Sciences—*November 2011*, p. 1472

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Book List

The Book List highlights books that have mathematical themes and are aimed at a broad audience potentially including mathematicians, students, and 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 notices-booklist@ams.org.

*Added to "Book List" since the list's last appearance.

The Adventure of Reason: Interplay between Philosophy of Mathematics and Mathematical Logic, 1900-1940, by Paolo Mancosu. Oxford University

Press, January 2011. ISBN-13: 978-01995-465-34.

At Home with André and Simone Weil, by Sylvie Weil. (Translation of *Chez les Weils*, translated by Benjamin Ivry.) Northwestern University Press, October 2010. ISBN-13: 978-08101-270-43. (Reviewed May 2011.)

The Autonomy of Mathematical Knowledge: Hilbert's Program Revisited, by Curtis Franks. Cambridge University Press, December 2010. ISBN-13: 978-05211-838-95.

The Beginning of Infinity: Explanations That Transform the World, by David Deutsch. Viking Adult, July 2011. ISBN-13: 978-06700-227-55.

The Best Writing on Mathematics: 2010, edited by Mircea Pitici. Princeton University Press, December 2010. ISBN-13: 978-06911-484-10. (Reviewed in this issue.)

The Big Questions: Mathematics, by Tony Crilly. Quercus, April 2011. ISBN-13: 978-18491-624-01.

The Black Swan: The Impact of the Highly Improbable, by Nassim Nicholas Taleb. Random House Trade Paperbacks, second edition, May 2010. ISBN-13: 978-08129-738-15. (First edition reviewed March 2011.)

The Blind Spot: Science and the Crisis of Uncertainty, by William Byers. Princeton University Press, April 2011. ISBN-13: 978-06911-468-43.

The Calculus Diaries: How Math Can Help You Lose Weight, Win in Vegas, and Survive a Zombie Apocalypse, by Jennifer Ouellette. Penguin, reprint edition, August 2010. ISBN-13: 978-01431-173-77.

The Calculus of Selfishness, by Karl Sigmund. Princeton University Press, January 2010. ISBN-13: 978-06911-427-53.

Chasing Shadows: Mathematics, Astronomy, and the Early History of Eclipse Reckoning, by Clemency Montelle. Johns Hopkins University Press, April 2011. ISBN-13: 978-08018-969-10.

The Clockwork Universe: Isaac Newton, the Royal Society, and the Birth of the Modern World, by Edward Dolnick. Harper, February 2011. ISBN-13: 978-00617-195-16. (Reviewed April 2011.)

Complexity: A Guided Tour, by Melanie Mitchell. Oxford University Press, April 2009. ISBN-13: 978-01951-244-15. (Reviewed April 2011.)

Crafting by Concepts: Fiber Arts and Mathematics, by Sarah-Marie Belcastro and Carolyn Yackel. A K Peters/CRC Press, March 2011. ISBN-13: 978-15688-143-53.

Cycles of Time: An Extraordinary New View of the Universe, by Roger Penrose. Knopf, May 2011. ISBN-13: 978-03072-659-06.

An Early History of Recursive Functions and Computability from Gödel to Turing, by Rod Adams. Docent Press, May 2011. ISBN-13: 978-09837-004-01.

**Elegance with Substance*, by Thomas Colignatus. Dutch University Press, 2009. ISBN-13: 978-90361-013-87.

The Evolution of Logic, by W. D. Hart. Cambridge University Press, August 2010. ISBN-13: 978-0-521-74772-1

The Grand Design, by Stephen Hawking and Leonard Mlodinow. Bantam, September 2010. ISBN-13: 978-05538-053-76.

Hidden Harmonies (The Lives and Times of the Pythagorean Theorem), by Robert and Ellen Kaplan. Bloomsbury Press, January 2011. ISBN-13: 978-15969-152-20.

The History and Development of Nomography, by H. A. Evesham. Docent Press, December 2010. ISBN-13: 978-14564-796-26.

Hot X: Algebra Exposed, by Danica McKellar. Hudson Street Press, August 2010. ISBN-13: 978-15946-307-05.

I Want to Be a Mathematician: A Conversation with Paul Halmos. A film by George Csicsery. Mathematical Association of America, March 2009. ISBN-13: 978-08838-590-94. (Reviewed June/July 2011.)

Le Operazioni del Calcolo Logico, by Ernst Schröder. Original German version of *Operationskreis des Logikkalkuls* and Italian translation with commentary and annotations by Davide Bondoni. LED Online, 2010. ISBN-13: 978-88-7916-474-0.

Loving + Hating Mathematics: Challenging the Myths of Mathematical Life, by Reuben Hersh and Vera John-Steiner. Princeton University Press, January 2011. ISBN-13: 978-06911-424-70.

**The Man of Numbers: Fibonacci's Arithmetic Revolution*, by Keith Devlin. Walker and Company, July 2011. ISBN-13: 978-08027-781-23.

**A Mathematical Nature Walk*, by John A. Adam. Princeton University Press, October 2011 (paperback edition). ISBN-13: 978-06911-526-53.

A Mathematician's Lament: How School Cheats Us Out of Our Most Fascinating and Imaginative Art Form, by Paul Lockhart. Bellevue Literary Press, April 2009. ISBN-13: 978-1-934137-17-8.

Mathematics and Reality, by Mary Leng. Oxford University Press, June 2010. ISBN-13: 978-01992-807-97.

Mathematics Education for a New Era: Video Games as a Medium for Learning, by Keith Devlin. A K Peters/CRC Press, February 2011. ISBN-13: 978-1-56881-431-5.

A Motif of Mathematics: History and Application of the Mediant and the Farey Sequence, by Scott B. Guthery. Docent Press, September 2010. ISBN-13: 978-4538-105-76.

Mysteries of the Equilateral Triangle, by Brian J. McCartin. Hikari, August 2010. ISBN-13: 978-954-91999-5-6. Electronic copies available for free at <http://www.m-hikari.com/mccartin-2.pdf>.

Newton and the Counterfeiter: The Unknown Detective Career of the World's Greatest Scientist, by Thomas Levenson. Houghton Mifflin Harcourt, June 2009. ISBN-13: 978-01510-127-87.

NIST Handbook of Mathematical Functions, Cambridge University Press, Edited by Frank W. J. Olver, Daniel W. Lozier, Ronald F. Boisvert, and Charles W. Clark. Cambridge University Press, May 2010. ISBN-13: 978-05211-922-55 (hardback plus CD-ROM); ISBN-13: 978-05211-406-38 (paperback plus CD-ROM). (Reviewed September 2011.)

Nonsense on Stilts: How to Tell Science from Bunk, by Massimo Pigliucci. University of Chicago Press, May 2010. ISBN-13: 978-02266-678-67. (Reviewed April 2011.)

Number Freak: From 1 to 200—The Hidden Language of Numbers Revealed, by Derrick Niederman. Perigee Trade, August 2009. ISBN-10: 03995-345-98.

Numbers: A Very Short Introduction, by Peter M. Higgins. Oxford University Press, February 2011. ISBN-13: 978-0-19-958405-5.

Numbers Rule: The Vexing Mathematics of Democracy, from Plato

to the Present, by George G. Szpiro. Princeton University Press, April 2010. ISBN-13: 978-06911-399-44. (Reviewed January 2011.)

One, Two, Three: Absolutely Elementary Mathematics [Hardcover] David Berlinski. Pantheon, May 2011. ISBN-13: 978-03754-233-38.

Origami Inspirations, by Meenakshi Mukerji. A K Peters, September 2010. ISBN-13: 978-1568815848.

The Perfect Swarm: The Science of Complexity in Everyday Life, by Len Fisher. Basic Books, March 2011 (paperback). ISBN-13: 978-04650-202-49.

The Pleasures of Statistics: The Autobiography of Frederick Mosteller. Edited by Stephen E. Fienberg, David C. Hoaglin, and Judith M. Tanur. Springer, January 2010. ISBN-13: 978-03877-795-53.

Problem-Solving and Selected Topics in Number Theory in the Spirit of the Mathematical Olympiads, by Michael Th. Rassias. Springer, 2011. ISBN-13: 978-1-4419-0494-2.

Proofiness: The Dark Arts of Mathematical Deception, by Charles Seife. Viking, September 2010. ISBN-13: 978-06700-221-68.

The Quants: How a New Breed of Math Whizzes Conquered Wall Street and Nearly Destroyed It, by Scott Patterson. Crown Business, January 2011. ISBN-13: 978-03074-533-89. (Reviewed May 2011.)

Riot at the Calc Exam and Other Mathematically Bent Stories, by Colin Adams. AMS, July 2009. ISBN-13: 978-08218-481-73.

Roads to Infinity: The Mathematics of Truth and Proof, by John C. Stillwell. A K Peters/CRC Press, July 2010. ISBN-13: 978-15688-146-67.

The Shape of Inner Space: String Theory and the Geometry of the Universe's Hidden Dimensions, by Shing-Tung Yau (with Steve Nadis). Basic Books, September 2010. ISBN-13: 978-04650-202-32. (Reviewed February 2011.)

The Strangest Man, by Graham Farmelo. Basic Books, August 2009. ISBN-13: 978-04650-182-77. (Reviewed October 2011.)

Street-Fighting Mathematics: The Art of Educated Guessing and Opportunistic Problem Solving, by Sanjoy Mahajan. MIT Press, March 2010. ISBN-13: 978-0-262-51429-3. (Reviewed August 2011.)

Survival Guide for Outsiders: How to Protect Yourself from Politicians, Experts, and Other Insiders, by Sherman Stein. BookSurge Publishing, February 2010. ISBN-13: 978-14392-532-74.

The Theory That Would Not Die: How Bayes' Rule Cracked the Enigma Code, Hunted Down Russian Submarines, and Emerged Triumphant from Two Centuries of Controversy, by Sharon Bertsch McGrayne. Yale University Press, April 2011. ISBN-13: 978-03001-696-90.

Towards a Philosophy of Real Mathematics, by David Corfield. Oxford University Press, April 2003. ISBN 0-521-81722-6. (Reviewed in this issue.)

Train Your Brain: A Year's Worth of Puzzles, by George Grätzer. A K Peters/CRC Press, April 2011. ISBN-13: 978-15688-171-01.

Viewpoints: Mathematical Perspective and Fractal Geometry in Art, by Marc Frantz and Annalisa Crannell. Princeton University Press, August 2011. ISBN-13: 978-06911-259-23.

Visual Thinking in Mathematics, by Marcus Giaquinto. Oxford University Press, July 2011. ISBN-13: 978-01995-755-34.

Why Beliefs Matter: Reflections on the Nature of Science, by E. Brian Davies. Oxford University Press, June 2010. ISBN13: 978-01995-862-02.



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