

Mathematics People

MAA Writing Awards Presented

The Mathematical Association of America (MAA) presented several awards for excellence in expository writing at its Summer Mathfest in Burlington, Vermont, in August 2002.

The Carl B. Allendoerfer Awards are given for articles published in *Mathematics Magazine* and carry a cash award of \$500. The award for 2002 was given to MARK MCKINZIE, Monroe Community College, and CURTIS TUCKEY, Oracle Corporation, for their article, "Higher Trigonometry, Hyperreal Numbers, and Euler's Analysis of Infinities", *Mathematics Magazine*, Vol. 74, 2001.

The Trevor Evans Award is given to authors of expository articles that are accessible to undergraduates and that were published in *Math Horizons*. This prize carries a cash award of \$250. Two awards were given for 2002. JAMES TANTON, The Math Circle, was selected for his article, "A Dozen Questions about the Powers of Two", *Math Horizons*, Vol. 8, 2001. FRANK A. FARRIS, Santa Clara University, won for his article, "The Edge of the Universe", *Math Horizons*, Vol. 8, 2001.

The Lester R. Ford Award honors articles published in *The American Mathematical Monthly* and carries a cash prize of \$500. Four awards were made for 2002. PETER BORWEIN and LOKI JORGENSEN, both of Simon Fraser University, were honored for their joint article, "Visible Structures in Number Theory", *American Mathematical Monthly*, Vol. 108, 2001. DIRK HUYLEBROUCK was honored for his article, "Similarities in Irrationality Proofs for π , $\ln 2$, $\zeta(2)$, and $\zeta(3)$ ", *American Mathematical Monthly*, March 2001. GREG MARTIN, University of British Columbia, won for his article, "Absolutely Abnormal Numbers", *American Mathematical Monthly*, October 2001. DAVID L. ROBERTS, National Council of Teachers of Mathematics, won for his article, "Moore's Early Twentieth-Century Program for Reform in Mathematics Education", *American Mathematical Monthly*, October 2001.

The George Pólya Award is given for articles published in *The College Mathematics Journal* and has a cash prize of \$500. TIMOTHY G. FEEMAN, Villanova University, was chosen for his article, "Conformality, the Exponential Function, and World Map Projections", *College Mathematics Journal*, Vol. 32, 2001.

—From an MAA announcement

SIAM Prizes Awarded

The Society for Industrial and Applied Mathematics (SIAM) awarded several prizes at its annual meeting in Philadelphia in July 2002.

GANG HU of Lehman Brothers received the Richard C. DiPrima Prize. This prize is awarded to a young scientist who has done outstanding research in applied mathematics and who has completed his or her doctoral dissertation and all other requirements for the doctorate during the period from three years to one year prior to the award date. The prize carries a cash award of \$1,000.

H. THOMAS BANKS of North Carolina State University received the W. T. and Idalia Reid Prize. This prize is given for research in or other contributions to the areas of differential equations and control theory. It carries a cash award of \$10,000.

ERIC LANDER of the Massachusetts Institute of Technology was awarded the John von Neumann Lectureship and a cash award of \$2,500. JONATHAN CHAPMAN of Oxford University received the Julian Cole Lectureship and a cash award of \$1,000. CRAIG A. TRACY of the University of California, Davis, and HAROLD WIDOM of the University of California, Santa Cruz, were both awarded the George Pólya Prize Lectureship; they will split the cash award of \$20,000.

CHRISTOPH BREGLER of Stanford University received the I. E. Block Community Lectureship, which carries an honorarium of \$500.

—From a SIAM announcement

Tolsa Awarded 2002 Salem Prize

The Salem Prize for the year 2002 has been awarded to XAVIER TOLSA of the Universitat Autònoma de Barcelona. Tolsa was recognized for his work on analytic capacity, particularly for the solution of the Painlevé and Vitushkin problems.

The prize, in memory of Raphaël Salem, is awarded yearly to young researchers for outstanding contributions in the field of analysis. The 2002 prize committee consisted of J. Bourgain, C. Fefferman, P. Jones, N. Nikolski, P. Sarnak, and J.-C. Yoccoz.

—Jean Bourgain, Institute for Advanced Study

PECASE Awards Announced

Sixty young researchers were chosen to receive the 2001 Presidential Early Career Awards for Scientists and Engineers (PECASE). This award is the highest honor bestowed by the U.S. government on outstanding young scientists, mathematicians, and engineers who are in the early stages of establishing their independent research careers.

Among the awardees are four who work in the mathematical sciences. RAFFAELLO D'ANDREA of Cornell University and RONALD P. FEDKIW of Stanford University were nominated by the Department of Defense. PAUL M. RICKER of the University of Chicago was nominated by the Department of Energy. BRIAN D. CONRAD of the University of Michigan was nominated by the National Science Foundation.

The recipients were selected from nominations made by nine participating federal agencies. Each recipient receives a five-year grant of up to \$700,000 to further his or her research and educational efforts.

—From a White House announcement

NSF Postdoctoral Fellowships Awarded

The Mathematical Sciences Postdoctoral Research Fellowship program of the Division of Mathematical Sciences of the National Science Foundation (NSF) awards fellowships each year for postdoctoral research in pure mathematics, applied mathematics and operations research, and statistics. Listed below are the names of the fellowship recipients for 2002, together with their Ph.D. institutions (in parentheses) and the institutions where they will use their fellowships.

ANDREI H. CALDARARU (Cornell University) University of Pennsylvania; JOSEPH L. COFFEY (State University of New York at Stony Brook) Courant Institute, New York University; DOUGLAS P. ENRIGHT (Stanford University) University of California, Los Angeles; HANS C. GROMOLL (University of California, San Diego) Eurandom, The Netherlands; SAMUEL GRUSHEVSKY (Harvard University) Princeton University; MARSHALL E. HAMPTON (University of Washington) University of Minnesota; SHELLY L. HARVEY (Rice University) University of California, San Diego; TARA S. HOLM (Massachusetts Institute of Technology) University of California, Berkeley; BENJAMIN V. HOWARD (Stanford University) Harvard University; GEOFFREY C. HRUSKA (Cornell University) University of Chicago; EDWARD M. HYDE (California Institute of Technology) University of Minnesota; RUSSELL K. JACKSON (Brown University) Boston University; ADAM R. KLIVANS (Massachusetts Institute of Technology) Harvard University; CHRISTOPHER J. LEININGER (University of Texas, Austin) Columbia University; BRIAN O. LUCENA (Brown University) University of Washington; JEREMY L. MARTIN (University of California, San Diego) University of Minnesota; ROMAN G. MUCHNIK (Yale University) University of Chicago; DAVID E. NADLER (Princeton University) University of Chicago; KEVIN W. O'BRYANT (University of Illinois, Urbana-Champaign) University of

California, San Diego; JAMES A. PARSON (Princeton University) University of Michigan, Ann Arbor; RODRIGO A. PEREZ (State University of New York at Stony Brook) Cornell University; NATHAN P. READING (University of Minnesota) University of Michigan, Ann Arbor; ALEXANDER RETAKH (Yale University) Massachusetts Institute of Technology; DAVID R. REVELLE (Cornell University) University of California, Berkeley; DANIEL S. ROGALSKI (University of Michigan, Ann Arbor) University of Washington; JEFFREY H. SCHENKER (Princeton University) University of California, Irvine; JESSICA S. SIDMAN (University of Michigan, Ann Arbor) University of California, Berkeley; ROBERT J. SIMS (University of Alabama, Birmingham) Princeton University; TODD M. SQUIRES (Harvard University) California Institute of Technology; TOUFIC M. SUDAN (Princeton University) Institute for Advanced Study, Princeton; MARK L. TOMFORDE (Dartmouth College) University of Iowa; and ALEKSEY ZINGER (Massachusetts Institute of Technology) Stanford University.

—From an NSF announcement

LMS Prizes Awarded

The London Mathematical Society (LMS) has awarded a number of prizes for 2002.

N. J. HITCHIN, Oxford University, received the Pólya Prize for his contributions to geometry, the development of mathematics, and mathematical physics. The prize recognizes outstanding creativity in, imaginative exposition of, or distinguished contribution to mathematics within the United Kingdom.

The Senior Berwick Prize is awarded in recognition of an outstanding piece of mathematical research that was published by the LMS during the eight years ending December 31, 1999. JEREMY RICKARD, Bristol University, received the prize for two papers, "Idempotent modules in the stable category", published in the *Journal of the LMS*, and "Splendid equivalences: Derived categories and permutation modules", published in the *Proceedings of the LMS*.

The Naylor Prize and Lectureship in Applied Mathematics is awarded for outstanding lecturing abilities and for work in, influence on, and contributions to applied mathematics and/or the applications of mathematics. The 2002 Naylor Prize was given to MARK H. A. DAVIS, Imperial College, for pioneering contributions to stochastic analysis, stochastic control and filtering theory, and mathematical finance.

The Whitehead Prizes are awarded to mathematicians who are under the age of forty years, who were mainly educated in the United Kingdom, and who are not already Fellows of the Royal Society. They are intended to cover all fields of mathematics, including applied mathematics, mathematical physics, and mathematical aspects of computer science. Four Whitehead Prizes have been awarded for 2002: to KEVIN M. BUZZARD, Imperial College, for work in number theory; to ALESSIO CORTI, Cambridge University, for contributions to the geometry of 3-folds; to MARIANNA CSÖRNYEI, University College, London, for work in real analysis, geometric measure

theory, and geometric nonlinear functional analysis; and to CONSTANTIN TELEAN, Cambridge University, for contributions to the representation theory of infinite dimensional groups, especially loop groups.

—From an LMS announcement

2002 d'Alembert Prize Awarded

Every two years the Société Mathématique de France presents the d'Alembert Prize. Established in 1984, the prize is intended to encourage mathematical works in the French language and the exposition of mathematics for the general public. The prize recognizes an article, book, radio or television broadcast, film, or other project that is designed to improve understanding of mathematics and its recent developments.

The d'Alembert Prize for 2002 has been awarded jointly to JEAN BRETTE, Palais de la Découverte, CATHERINE GOLDSTEIN, Université Paris-Sud, MIREILLE CHALEYAT-MAUREL, Université Paris V, and GÉRARD TRONEL, Université Pierre et Marie Curie.

—Société Mathématique de France

2002 Paul Erdős Awards Given

BOGOLJAB MARINKOVICH of Yugoslavia, HAROLD B. REITER of the University of North Carolina, Charlotte, and WEN-HSIEN SUN of the Chiu Chang Mathematics Foundation, Taipei, are the recipients of the 2002 Paul Erdős National Award.

The award was established to recognize mathematicians' contributions that have played a significant role in the development of mathematical challenges at the national level and that have been a stimulus for the enrichment of mathematics learning. The award is given by the World Federation of National Mathematics Competitions (WFNMC).

—From a WFNMC announcement

William Rundell Appointed DMS Director

William Rundell of Texas A&M University has been appointed director of the Division of Mathematical Sciences of the National Science Foundation. He succeeds Philippe Tondeur, who was appointed in 1999 and has now returned to the University of Illinois at Urbana-Champaign as a professor emeritus. Rundell will assume his duties at the NSF in mid-September.

Rundell was born in Glasgow, Scotland, and received his Ph.D. from Glasgow University in 1974. That year he took a position at Texas A&M University, where he now holds a joint professorship in mathematics and computer science. Since 1992 he has been the head of the Texas A&M mathematics department. His research interests include

inverse problems in partial differential equations (parameter identification in elliptic and parabolic equations, inverse scattering, inverse spectral problems), ill-conditioned problems in integral and differential operators, and numerical algorithms and iterative methods for nonlinear equations.

The author of about sixty publications, Rundell has been active in organizing conferences in the United States and Europe and has lectured around the world. He has had considerable experience with the NSF as a member of proposal evaluation panels, site visit teams, and other committees.

—Allyn Jackson

Visiting Mathematicians

(Supplementary List)

Mathematicians visiting other institutions internationally during the 2002-03 academic years were listed in the August 2002 issue of the *Notices*, pp. 833-5. The following is an update (home country is listed in parentheses).

JORGE ARVESU, (Spain), Utah State University, Special Functions and Applications, 8/02-12/02.

H. DABOUSSI, (France), University of Colorado at Boulder, Number Theory, 8/02-12/02.

KALYAN DAS, (India), Purdue University, Bayesian Nonparametrics; Frailty Models, 8/02-12/02.

GLORIA GARCIA (Spain), University of Pittsburgh, Analysis, 10/02-12/02.

TAE-CHANG JO (Korea), Utah State University, Dynamical Systems and Applied Differential Equations, 1/03-5/03.

JE YOON LEE (South Korea), University of Pittsburgh, Analysis and Mathematical Finance, 3/02-12/02.

ZHAOLI LIU (China), Utah State University, Nonlinear Elliptic Partial Differential Equations, 1/03-5/03.

GEORGE MCCABE (U.S.A.), National University of Ireland, Galway, Applications of Statistics, 7/02-12/02.

PAUL-ANDRE MONNEY (Switzerland), Purdue University, Dempster Theory of Evidence, Information Fusion, 8/02-5/03.

YOSHIHITO OSHITA (Japan), University of Pittsburgh, Reaction-Diffusion Systems, 9/02-12/02.

GYULA PAP (Hungary), Southern Illinois University, Carbondale, Probability Theory, 8/02-1/03.

GERALD SCHWARZ (U.S.A.), Ruhr Universitaet Bochum, Germany, Transformation Groups, 3/03-4/03; Matematische Institut Basel, Switzerland, Transformation Groups, 5/03-6/03.

DAMODAR SHANBHAG (England), Bowling Green State University, Probability and Statistics, 1/03-5/03.

YO SHEENA (Japan), Bowling Green State University, Statistical Decision Theory, 3/01-2/03.

CHARLES STUART (Switzerland), University of Pittsburgh, Applied Analysis, 10/02-12/02.

JYOTHI SUBRAMANIAN (India), Purdue University, Bioinformatics; Nonparametric Statistics, 8/02-5/03.

MICHAEL TZUR (Israel), Northwestern University, Operations Research, 9/02-6/03.