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# Mathematics People

## Bos Awarded 2005 May Prize

The International Commission for the History of Mathematics (ICHM) has awarded the 2005 Kenneth O. May Prize and Medal to HENK BOS of the University of Utrecht. The May Prize honors outstanding contributions to the history of mathematics. According to the prize citation, Bos's studies of the work of Descartes and his contemporaries and predecessors are "an exploration of what counted as good mathematics in a particular period...Henk Bos has, through his deep and insightful research, fundamentally shaped present-day understanding of the mathematics of the seventeenth century...Bos gives to this seventeenth-century material the kind of careful attention it was given by the experts when it was new." His other writings, including a collection of essays on the history of mathematics, have "effectively extended Bos's audience beyond the community of historians of mathematics to the international mathematical community as a whole."

Kenneth O. May (1915–1977) was the founding chair of the ICHM and the founding editor of the international journal *Historia Mathematica*. Born in the United States, he studied mathematics at the University of California at Berkeley but spent most of his career teaching history of mathematics at the University of Toronto, Canada. After his death, the Institute for History of Science and Technology at the University of Toronto and the International Commission on History of Mathematics honored his memory with an international prize to be awarded every four years to scholars who had made significant lifetime contributions to the history of mathematics. The award consists of a certificate and a medal cast in bronze.

Previous recipients of the Kenneth O. May Prize and Medal are: Dirk J. Struik and A. P. Youschkevitch (1989); Christoph J. Scriba and Hans Wussing (1993); René Taton (1997); and Ubiratàn D'Ambrosio and Lam Lay Yong (2001).

—Karen Parshall, University of Virginia, on behalf  
of ICHM

## Heinrich and Liu Receive 2005 CMS Awards

The Canadian Mathematical Society (CMS) has awarded the 2005 Adrien Pouliot Award to KATHERINE HEINRICH of the University of Regina, Saskatchewan, and the 2005 G. de B. Robinson Prize to YU-RU LIU of the University of Waterloo.

The Adrien Pouliot Award is given to individuals or teams of individuals who have made significant and sustained contributions to mathematics education in Canada. Heinrich originated the Canadian Mathematics Education Forum in 1995 as a venue for people interested in mathematics education at all levels to meet and discuss issues of common interest and has been involved in the promotion of mathematics and mathematics education throughout her career.

The G. de B. Robinson Award recognizes high-quality papers published in the *Canadian Journal of Mathematics* and the *Canadian Mathematical Bulletin*. Liu was honored for her papers "A Generalization of the Turán Theorem and its Applications" and "A Generalization of the Erdős-Kac Theorem and its Applications", both published in the *Canadian Mathematical Bulletin* in 2004.

—From a CMS announcement

## NDSEG Fellowships Awarded

Thirteen young mathematicians have been awarded National Defense Science and Engineering Graduate (NDSEG) Fellowships by the Department of Defense (DoD). As a means of increasing the number of U.S. citizens trained in disciplines of military importance in science and engineering, DoD awards fellowships to individuals who have demonstrated ability and special aptitude for advanced training in science and engineering. The fellowships are sponsored by the United States Army, Navy, and Air Force.

Following are the names of the fellows in mathematics, their institutions, and the offices that awarded the fellowships: JEFFREY ARISTOFF (Massachusetts Institute of Technology), Air Force Office of Scientific Research (AFOSR); ETHAN ATKINS (Rensselaer Polytechnic Institute), AFOSR; REID BARTON (Massachusetts Institute of Technology), Army Research Office (ARO); DAMIAN BURCH (University of California at Los Angeles), AFOSR; MARGARET DOIG (University of Notre Dame), ARO; DAVID FREEMAN (University of California at Berkeley), ARO; WEI HO (Princeton University), Office of Naval Research (ONR); KENNETH KAMRIN (Massachusetts Institute of Technology), AFOSR; MICHAEL LESNICK (Brown University), AFOSR; ERIC MALM (Harvey Mudd College), ARO; HARRIS NOVER (University of Wisconsin, Madison), ONR; MELANIE WOOD (Princeton University), ONR; and BRIAN WYMAN (University of Richmond), ARO.

—From an NDSEG announcement

## National High School Calculus Award

SAM BECK, a ninth-grade student at Jackson Preparatory High School, Jackson, Mississippi, has won the fifth annual National High School Calculus Student Award. In three consecutive years, Beck achieved the highest score in the state of Mississippi on the American Mathematics Competition (AMC-12). He won first place on the calculus written exam and in advanced ciphering in the 2005 state Mu Alpha Theta competition. He again placed first on the written and ciphering exams in the 2005 Mississippi School of Mathematics and Science Tournament. In academic competition sponsored by the Mississippi Private School Education Association, he won first place in algebra II (2002–2003), first place in calculus (2003–2004), and first place in history (2004–2005). He is also a violist with the Mississippi Youth Symphony Orchestra.

The National High School Calculus Student Award is a US\$1,000 prize awarded by calculus.org, based at the University of California at Davis, Williams College, and Wake Forest University.

—calculus.org

## Pi Mu Epsilon Student Paper Presentation Awards

Pi Mu Epsilon (PME), the U.S. honorary mathematics society, makes annual awards to recognize the best papers by undergraduate students presented at a PME student-paper session. This year, the PME held a session in conjunction with the MAA MathFest in Albuquerque, New Mexico, August 4–6, 2005. Each awardee received a prize of US\$150.

The Pi Mu Epsilon awards for best presentations are sponsored by the AMS. Eight students were chosen to receive these awards. Their names, institutions, and titles of

their talks follow: JASON BRINKER, St. Norbert College, “Let Me Do a Little Number”; JENNIFER CARMICHAEL, Western Oregon University, “Can You or Can’t You Count Cantor?”; STEPHANIE DEACON, University of Texas at San Antonio, “Key Generation of a Group-Oriented, Threshold Cryptosystem”; DAVID GOHLKE, Youngstown State University, “Modeling Bacterial Growth in the Presence of Toxins”; ANGELA HICKS, Furman University, “Applications of Lie Symmetry Groups to Minimal Surfaces”; DAVID MARTIN, Youngstown State University, “An Alternate Demonstration of Euler’s Formula”; MARIA SALCEDO, Youngstown State University, “An Introduction to Knot Theory”; and TINA SMITH, McNeese State University, “Exploring Groups with Perfect Order Subsets”.

The prize for best research presentation, sponsored by the Council on Undergraduate Research, was awarded to CHANTEL BLACKBURN, Andrews University, for her paper “Finite and Infinite Configurations in the Hausdorff Metric Geometry”.

—Elaine Kehoe

## B. H. Neumann Awards Given

The B. H. Neumann Awards for 2005 have been awarded by the Board of the Australian Mathematics Trust to RUSSELL COAD, Australian Mathematics Competition; GEORGE HARVEY of St. Clare’s College, Canberra; and ANDREI STOROZHEV of the Australian Mathematics Trust. The awards, named for Bernhard H. Neumann, are presented each year to mathematicians who have made important contributions over many years to the enrichment of mathematics learning in Australia and its region.

—Board of the Australian Mathematics Trust