



# Editorial

Welcome to the July issue of the *Gazette*, in which the future directions of mathematical education in Australia feature heavily.

In Maths Matters, Gavin Brown reflects on his recent review of Education in Mathematics, Data Science and Quantitative Disciplines for the Group of Eight universities, and elaborates on the recommendations contained therein. Australian mathematics education also features in a communication from Michael Evans, in which he supplies the background, motivations and details of the proposed Australian Curriculum for Mathematics. Comments on the senior secondary curriculum may be submitted to the Australian Curriculum, Assessment and Reporting Authority ([www.acara.edu.au](http://www.acara.edu.au)) before 30 July. Finally, in the President's Column, Nalini Joshi suggests that gathering more detailed information from AustMS members will help the Society effectively represent all sectors of our membership, including in the dialogue regarding the dire state of mathematical education.

All is not doom and gloom, however, for the future of mathematics! In this issue we feature invited contributions from two up-and-coming early career researchers. One of the 2008 T.M. Cherry prizewinners, Michael Haythorpe, details an interior point method for finding Hamiltonian cycles. Samuel Cohen (who won both the 2009 T.M. Cherry Prize and the 2009 B.H. Neumann Prize) describes his work in pricing and risk measurement with backward stochastic differential equations. On the other end of the career spectrum, Hyam Rubinstein demonstrates in Mathematical Minds that, for him, mathematics is a cooperative and captivating endeavour.

In this issue, Phill Schultz, a regular book reviewer, critiques a fascinating account of magic squares in Chinese culture. Gordon Royle reviews the intriguingly-named *Mrs Perkins's Electric Quilt* and Phill completes the trifecta with a look at *Mythematics: Solving the 12 Labours of Hercules*. If you are interested in reviewing a book for the *Gazette*, the list of available books is on our website, [www.austms.org.au/gazette](http://www.austms.org.au/gazette).

We also include conference reports on ANZIAM 2010 and Phylomania, a technical paper by David Gauld, Puzzle Corner 18 and news from AMSI, the Society and members.

Enjoy reading this issue of the *Gazette*!