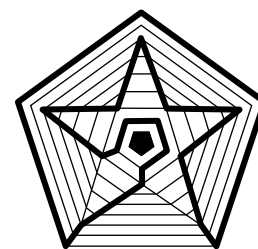


SHORT CIRCUIT



Newsletter of the Canberra Mathematical Association INC

Coming Events:

March 18 Charles Lovitt, *Hands on Maths*
March 24 Matt Parker shows
July 11-13 AAMT conference in Canberra
August 19 CMA Conference
November 8 AGM & dinner

Wednesday Workshops:

Money Smart Financial Literacy
March 1 (North)
March 8 (South)
May 24 (North)
May 31 (South)

VOLUME 8 NUMBER 2

FEBRUARY 2017

MEMBERSHIP

NEWS AND COMMENT

Te piko o te māhuri, tērā te tupu o te rākau—As the young sapling is bent, so the tree will grow.

This aphorism features in the blurb for the NZAMT to be held in October in Christchurch, NZ. There is a call for presentation abstracts on their [site](#) at the moment—well worth it if you can get there.

About as far from Canberra is the STEM education conference in September at Curtin University, WA, also [calling](#) for presenters. This conference is presented jointly by MAWA and STAWA (maths and science teachers associations of Western Australia respectively).

In Canberra, readers will be aware

that we also have the biennial AAMT conference in July and the annual CMA conference in August.

CMA began the year with the Welcome event, at ACU. There are some photos on page 3 of mathematicians enjoying some frivolity there. It was good to see a mix of newer members, young teachers, and some sprightly elders.

CMA is proud to be able to present Charles Lovitt in his all-day Hands on Maths session on 18 March, and also YouTube personality Matt Parker on 24 March. We are grateful to both presenters for making themselves available

Join or renew your membership for calendar year 2017

A membership application form can be accessed from the CMA website:

<http://www.canberramaths.org.au/index.html>

CMA membership includes automatic affiliation with the Australian Association of Mathematics Teachers and a free AAMT journal.

Members are entitled to attractive rates for CMA professional development events and the annual conference.

CMA members may attend conferences of other AAMT affiliates, MAV, MANSW, etc. at member rates.

Note: Receipts for membership and other payments are sent out by e-mail. If you have paid for your membership but have not received a receipt or if your AAMT journal(s) have not been arriving, please advise CMA membership secretary, Paul Turner, or another committee member.

**CANBERRA
MATHEMATICAL
ASSOCIATION**

OBITUARIES

Bob Bryce

From Steve Thornton, AAMT list 27 Jan 2017

I am sad to inform people that Dr Bob Bryce passed away yesterday morning after a long illness. Bob was a long-time member of CMA, a respected mathematician at ANU and a huge supporter of mathematics education. He was the inaugural Chair of the Australian Mathematical Society's Standing Committee on Mathematics Education.

I knew Bob as a friend and colleague, having worked together for many years with the Australian Mathematics Trust. Bob was a member of both the Australian Mathematics Competition and Maths Challenge committees. He was also instrumental in the Friday evening enrichment activities for secondary students at ANU.

Bob also looked after one of the two mathematics subjects in a course to retrain teachers as secondary mathematics teachers at the University of Canberra. I know from the feedback received that everyone involved in the course had the utmost respect for Bob as a mathematician, but equally importantly as a supportive friend.

Bob will be sadly missed.

AAMT—CONNECT WITH MATHS

There are now five *Connect with Maths* online communities teachers can join.

[Make it count with Indigenous Learners](#) community

[Early Years Learning in Mathematics](#) community

[Maths in Action \(Applications and Modelling\)](#) community

[Engaging All Students](#) (Catering for Diversity) community

[Digital technologies for Mathematics](#) community

Subscription to these communities is FREE.

If you would like to join one or more communities, click on the link.

Hans Rosling

From Sue Wilson

Hans Rosling was a Swedish doctor, statistician, and Professional of International Health, whose TED talks on health and poverty have been viewed millions of times. The international community was saddened by the announcement of his death on Tuesday, 7th February, 2017.

Hans Rosling started his career as a doctor, working on diseases in rural Africa, (and recently returned there to lead the Liberian response against Ebola). He returned to Sweden to work as a Professor of Global Health.

Hans founded the Gapminder “fact-tank” with his son and daughter-in-law in 2005, and they posted data from international organisations as a searchable repository on the Gapminder website, <https://www.gapminder.org/>.

In his popular and entertaining presentations, including 10 TED talks, Hans Rosling took statistics on health, birth rates and wealth and used visuals such as animated graphics, Ikea boxes, Lego and washing machines to demonstrate population statistics, and make them accessible. He aimed to address pre-conceptions and misconceptions about global health that arose because of ignorance from outdated and inaccurate data, and to challenge mindsets and shift perspectives.

The first of his 10 (2006-2014) TED talks “The best stats you’ve ever seen” has been viewed over 11 million times. https://www.ted.com/talks/hans_rosling_shows_the_best_stats_you_ve_ever_seen and all 10 talks can be accessed from https://www.ted.com/speakers/hans_rosling

He is high on my list of people who have challenged my own and my students’ thinking and enriched our understanding about the world, as he has for millions of people internationally.

SHORT CIRCUIT

CONFERENCES AND EVENTS

Money Smart Financial Literacy—Wednesday Workshops. 1 March, Namadgi School; 8 March, Kaleen Primary School. 4-6 p.m. presented by ASIC. Book via canberramaths@gmail.com.

Mathematical Modelling Challenge ([IMMC](#)) 14 Mar - 7 Apr 2017.

Hands on Maths—Charles Lovitt, ACU, 8:30-5:00, 18 March. See website and [flyer](#). Book via canberra-maths@gmail.com.

Stand up Maths—schools event with mathematician and comedian Matt Parker. Friday 24 March. Go to the [CMA website](#) for information and bookings.

AAMT [Conference](#)—Capital Maths: Canberra Convention Centre, 11-13 July. Visit the site to offer a presentation. Keynote speaker: Chris Franklin from University of Georgia on statistical literacy.

CMA Conference, 19 August : ADFA. Details to be announced.

CONTRIBUTE TO SHORT CIRCUIT

Short Circuit welcomes your contributions and your feedback. Communicate with us through the CMA email address: canberramaths@gmail.com



CMA Welcome event, 2017

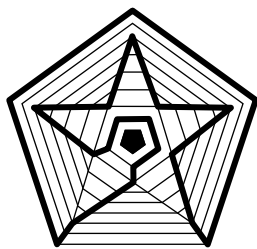


CMA MERCHANDISE

Contact Elaine Hooke on 0407 788 493 or e-mail cmamerchandise@gmail.com for the following items:

Canberra Mathematics Association Navy Polo shirts \$36 with logo, Pi Earrings \$15, Easy as Pi badges and Pi pins \$8.

Free delivery to your ACT school. Elaine can attend your Maths staff meeting.



**NEWSLETTER OF THE CANBERRA
MATHEMATICAL ASSOCIATION
INC**

PO Box 3572
Weston ACT 2611
Australia

E-mail: canberramaths@gmail.com

We're on the Web!
<http://www.canberramaths.org.au/>

THE 2017 CMA COMMITTEE

President	Bruce Ferrington
Vice Presidents	Bronwyn Welch Sue Wilson
Secretary	Jo McKenzie
Treasurer	Paul Turner
Councillors	Peter McIntyre Elaine Hooke Valerie Barker Sam Hardwicke Maggie Quigley Theresa Shellshear

ABOUT THE CMA

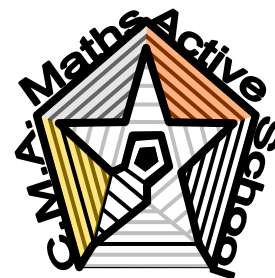
The Canberra Mathematical Association (Inc.) is the representative body of professional educators of mathematics in Canberra, Australia.

It was established by, among others, the late Professor Bernhard Neumann in 1963. It continues to run - as it began - purely on a volunteer basis.

Its aims include

- * the promotion of mathematical education to government through lobbying,
- * the development, application and dissemination of mathematical knowledge within Canberra through in-service opportunities, and
- * facilitating effective cooperation and collaboration between mathematics teachers and their colleagues in Canberra.

Maths by Inquiry
Canberra Grammar School
Australian Catholic University
Namadgi School



University of NSW Canberra

Lyneham High School
Turner School
Kaleen Primary School
Australian Catholic University



Find us on Facebook

Short Circuit is edited by Paul Turner.

Money Talks

Want to expand your classroom resource bank and teaching strategies?

moneysmart.gov.au

Students are interested in learning about money and finances. It is a great way to engage them in developing and understanding maths concepts.

Using money as the context for learning provides authentic experiences for students as they apply maths concepts in a meaningful easy to understand way.

The Money Talks workshops for both primary and secondary teachers will expand your teacher toolkit by providing strategies, Australian Curriculum aligned tools and resources to support you in engaging students in maths through real life learning.



In conjunction with



Money Talks workshops

Kaleen Primary School

- ▶ Wednesday 1 March 2017
4:30 – 6:30

Namadgi School

- ▶ Wednesday 8 March 2017
4.30 – 6.30

Certificate of participation aligned to the Professional Standards for Teachers

Moneysmart.gov.au

Cost: Members **FREE** (Two attendees for an Institutional Membership)
Non-members **\$20**

Please register by emailing maggie.quigley@ed.act.edu.au



ASIC's



MONEYSMARTTeaching

Helping young people be MoneySmart



SATURDAY MARCH 18TH

HANDS-ON MATHS WITH CHARLIE LOVITT

Join us at the Australian Catholic University, Watson for a day of professional learning you will never forget!

This year Charlie will be extending the conversation on hands-on maths and problem solving – bringing us further inspiration for maths in the classroom by building on student questions. Charlie's workshops are always practical and full of ideas and challenges that you will want to try out in your own classes.

This workshop is specifically targeted at teachers of Years 2-8.

**CANBERRA
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**CHARLIE LOVITT –
ONE OF THE
LEADING MATHS
THINKERS IN
AUSTRALIA**

**MATHS HOW IT
SHOULD BE TAUGHT
– THIS WILL
CHANGE YOUR
CLASSROOMS**

**ONLY 40 PLACES
AVAILABLE!**

**REDUCED RATES
FOR CMA MEMBERS**

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REGISTER AT

www.canberramaths.org.au

18th March 2017

8.30am – 5.00pm