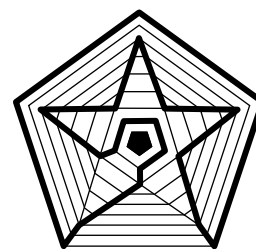


SHORT CIRCUIT



Newsletter of the Canberra Mathematical Association INC

Coming Events:

November 9 AGM & dinner

August 19, 2017 CMA Conference

AAMT conference 2017 in Canberra

Wednesday Workshops:

Re-commencing in 2017

VOLUME 7 NUMBER 4

OCTOBER 2016

MEMBERSHIP

NEWS AND COMMENT

AGM

The CMA Annual General Meeting is fast approaching. The date: Wednesday 9th November, the venue: Erindale college, Class Act cafe.

As usual, excellent food and camaraderie are predicted with the option of becoming actively involved in the running of your professional association. Please e-mail

canberramaths@gmail.com

to let us know that you are coming.

Arrive from 6:30 for a 7:00 p.m. start to the meal. Cost: \$30.00.

The national *reSolve: Mathematics by Inquiry* project has entered the consciousness of quite a few CMA

members over the past month or so. Several have expressed interest in early trialling of the classroom materials being produced or in the professional development modules.

It is worth mentioning that the three writers producing the classroom materials are all CMA members. They are hard at work here in Canberra, at Ian Potter House.

The project is a collaboration between the Australian Academy of Science and the Australian Association of Mathematics Teachers. For further details visit the website:

www.science.org.au/learning/schools/resolve.

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**

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.

RESOURCES—WEB

[SageMath](#) is a free open-source mathematics software system .

[Codecademy](#)—Learn to code interactively, for free.

[NetLogo](#) – a computer-based modelling environment that enables learners to both explore and build computer models of natural and social phenomena.

NATIONAL MATHEMATICS SUMMER SCHOOL—JANUARY 2017

Applications were received from ten young mathematicians of whom three are likely to be selected.

One offer of a place has been accepted, so far. The full results should be known soon.

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.

ATSIMA CONFERENCE

Value Us, Value our Education, Value our Future

The second conference of the Aboriginal and Torres Strait Islander Mathematics Alliance (ATSIMA) is being held from Sunday 30 October - Wednesday 3 November 2016 at Sandon Point Tent Embassy and the University of Wollongong. For more information and to register, go to the [ATSIMA website](#).

OZCOTS CONFERENCE

This a Statistics conference which promises to be interesting for teachers. Alice Richardson, a statistician who spoke about Statistics posters at our conference has promoted it to CMA.

Here is the link to the OZCOTS main page: <http://asc2016.com.au/ozcots/>. It has information about the conference schedule, location and other details.

2017 MATHEMATICAL MODELLING CHALLENGE

The 2017 Australian phase of the International Mathematical Modelling Challenge (IMMC) will be held between 14 March and 7 April.

IMMC is an international event established to promote mathematical modelling in school mathematics. The Australian phase will involve teams of up to four students from the same school working collaboratively to solve a problem (set globally) by devising and applying an original mathematical model. The best Australian entries are entered in the international phase with more than 20 countries participating.

For more information, and to see how to register a team from your school, go to the [IMMC Australian website](#).

SHORT CIRCUIT

AUSTRALIAN MATHS AND SCIENCE PARTNERSHIP PROJECTS (AMSP)

During 2015 the AAMT was involved in the establishment phases of several projects (AMSP) which have come out of the Office of the Chief Scientist. One of these is the Secondary Science and Mathematics Mentoring project (SeSaMME) which is based at the University of Canberra, and which works in conjunction with ANU and Questacon. The project is developing a mentoring program that brings together inexperienced and/or under qualified science teachers with experienced and expert colleagues. As well, the AAMT has brought together a group of experienced mathematics teachers – *Maths Meta Mentors* (the 3Ms) – to work alongside the mentors in the project, and I am fortunate to have been asked to join this group.

Our formal role is to advise on mathematical issues that arise when science teachers need assistance with identifying and addressing the mathematical needs of students of science. These may include issues in measurement, tools and technologies, proportional reasoning, data display and analysis, and language of mathematics and science, for example. In particular our team is using our experiences to develop resources for science teachers to help them with the mathematical demands that emerge in teaching science in junior secondary schools. The project is now in its final phase, with reports to be published early in 2017. We expect

<http://topdrawer.aamt.edu.au> AAMT Top Drawer Teachers website.

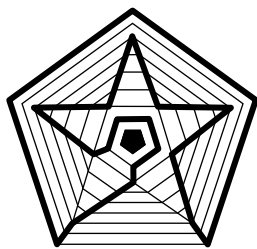
www.mathematiciansinschools.edu.au CSIRO Mathematicians in Schools program.

that there will be a range of useful material and resources readily available to support teachers of science, especially where there is a mathematical focus in the content, and to encourage increased cross-disciplinary communication within our secondary schools.

Valerie Barker

CONTRIBUTE TO SHORT CIRCUIT

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



**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 2016 CMA COMMITTEE

President	Bruce Ferrington
Vice Presidents	Bronwyn Welch Sue Wilson
Minute Secretary	Theresa Shellshear
Treasurer	Michael Klinkert
Membership Secretary	Paul Turner
Councillors	Andy Wardrop Heather Wardrop Patricia Tandy Peter McIntyre Elaine Hooke Valerie Barker James Squires Maggie Quigley Kylie Robson Mike Clapper Jo McKenzie

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

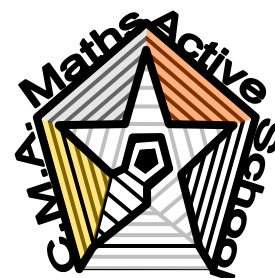
- * the promotion of mathematical education to government through lobbying,
- * the development, application and dissemination of mathematical knowledge within Canberra through in-service opportunities, and
- * facilitating effective cooperation and collaboration between mathematics teachers and their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

Maths by Inquiry
Canberra Grammar School
Australian Catholic University
Australian Catholic University
Maths by Inquiry

Erindale College
Lake Tuggeranong College
Melrose High School
University of NSW Canberra

Lynham High School

Kaleen Primary School
Charles Weston School, Coombs
Australian Mathematics Trust
Namadgi School



Find us on Facebook

Short Circuit is edited by Paul Turner.