

# SHORT CIRCUIT

Newsletter of  
the Canberra Mathematical Association INC

## Coming Events:

- February 21 *Welcome drinks, ACU, 4:30—6.00 p.m.*
- August 16 *2014 CMA Conference*  
*“Catering for Diversity”*
- November 11 *2014 CMA Annual General Meeting and dinner -*  
*Erindale College, 7 pm.*

### PD sessions

*Watch this space*

## FROM THE EDITORS

In this final edition of Short Circuit for 2013 we bring you lists: dates for you diary, names of the councillors for 2014 and information about who does what in the council.

The new CMA council met just a few days after the AGM and immediately organised itself by allocating tasks to be the primary responsibility of particular councillors. A sense of urgency seemed to be in the air due to the new requirements for teachers to comply with standardised professional development arrangements.

With these in mind, a team of three CMA councillors is working to obtain the necessary Teacher Quality Institute approvals for the professional development opportunities we offer through the annual conference and through a series of afternoon workshops.

The afternoon workshops, to be reinstated after a period of relative quiescence, are being organised by Ed Staples with help from Erin Gallagher. Ed’s advertisement on page four asks for your involvement as a

presenter. Please consider this seriously as both attendance and presentation can count towards the TQI demands.

Also to be promoted more vigorously in the coming year is the Maths Active Schools program. As before, this will be handled by Jurek Paradowski.

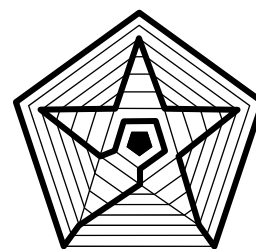
Planning for the 2014 conference, Catering for Diversity, has begun. The date has been set for 16 August. The conference committee will have its first meeting on 9 December to begin filling in the details. We hope to have information about keynote speakers and workshops available sooner than previously, to assist with your planning.

The editorial team for Short Circuit for the coming year will be new councillor Aruna Williams and, continuing in the role, Paul Turner. We look forward to your feedback on the newsletter and your contributions of content that you believe others should know about.

PT

## MATHS ACTIVE SCHOOLS

*Talk to Jurek Paradowski  
about making your school a  
Maths Active School.*



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DECEMBER, 2013

## MEMBERSHIP

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

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

A membership application form for the CMA can be downloaded from our website:

<http://canbermaths.weebly.com/>

Note:

Receipts for membership payments are normally 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 treasurer, Paul Turner, or a committee member.



### ATSIMA

The following articles are reprinted from a recent AAMT bulletin:

#### The Aboriginal and Torres Strait Islander Mathematics Alliance

ATSIMA, the Aboriginal and Torres Strait Islander Mathematics Alliance, is the 'national network' that was recommended by a Blueprint released in April and which was the subject of consultation symposiums around the country over recent months. It is intended to enable strategic collaboration among all those keen to make a difference in Aboriginal young peoples learning of mathematics – teachers, researchers, communities, education authorities, business and industry.

*Strategic  
Collaboration*

ATSIMA was launched by Emeritus Prof. Paul Hughes at the Buunji national Aboriginal education conference in Sydney earlier this month. Dr Chris Matthews from Queensland is the first chair of ATSIMA and his talk at the launch captured the hearts and minds of the audience.

At this stage ATSIMA is in a start up phase. If you or your colleagues want to be kept informed and join Chris to make this important initiative a success click [here \(ATSIMA\)](#)

### LINKS

<http://www.madandmoonly.com/doctormatt/mathematics/dice1.pdf> - comprehensive collection of probability activities around dice.

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

[www.mathematiciansinschools.edu.au](http://www.mathematiciansinschools.edu.au) CSIRO Mathematicians in Schools program.

<http://www.khanacademy.org/math/recreational-math/vi-hart>

### CONNECT WITH MATHS

#### Launch of Online Early Years Mathematics Community

The *Connect with Maths: Early Years Learning in Mathematics* community is ready for educators with an interest in the teaching and learning of mathematics for children birth to eight years of age.

Central to the activity of this community is the Forum - a place for learning, sharing ideas, experiences and teaching expertise. Teachers and other educators are encouraged to explore the space and 'have a play' - visit the Forum to have your say, ask a question or begin a debate.

To learn more about this new *Connect with Maths* community and to view the program schedule click [here](#).

To join the Connect with Maths: Early Years Learning in Mathematics community and get started interacting with others interested in Early Childhood Mathematics, click [here \(join\)](#)

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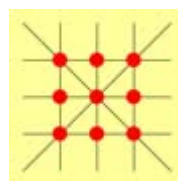
There are now two *Connect with Maths* channels:

[Make it count with Indigenous learners Early Years Learning in Mathematics](#)

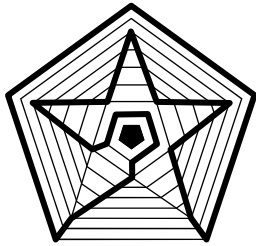
### PUZZLE

Take nine dollar coins and arrange them in three rows and three columns. Eight straight lines can pass through three coins each. Your goal is to move exactly two coins so that *ten* straight lines can each pass through three coins.

No line should pass through more than three coins.  
No coin should be placed on top of another.



Reference: <http://www.alethis.net/amusements/coin/coin.html#puzzle2>



**NEWSLETTER OF  
THE CANBERRA MATHEMATICAL  
ASSOCIATION INC**

PO Box 3572  
Weston ACT 2611  
Australia

E-mail: [canberramaths@yahoo.com.au](mailto:canberramaths@yahoo.com.au)

We're on the Web!  
<http://canberramaths.weebly.com/>

## THE 2014 CMA COMMITTEE

|                  |                    |                                |
|------------------|--------------------|--------------------------------|
| President        | Bronwyn Norrie     | Canberra Grammar School        |
| Vice Presidents  | Erin Gallagher     | Telopea Park School            |
|                  | Jurek Paradowski   | Australian Catholic University |
| Secretary        | Theresa Shellshear | Erindale College               |
| Treasurer        | Paul Turner        | Australian Catholic University |
| Councillors      | Sue Wilson         | Lake Tuggeranong College       |
|                  | Heather Wardrop    | Erindale College               |
|                  | Andy Wardrop       | University of Canberra         |
|                  | Valerie Barker     | Stromlo High School            |
|                  | Jo Kellow          | Melrose High School            |
|                  | Patricia Tandy     | University of NSW—ADFA         |
|                  | Peter McIntyre     | Radford College Junior School  |
|                  | Bruce Ferrington   | Dickson College                |
|                  | Ed Staples         | Dickson College                |
|                  | Elaine Hooke       | Gungahlin College              |
| Michael Klinkert | Erindale College   |                                |
| Caroline Evers   |                    |                                |
| Gavin Scales     |                    |                                |
| Aruna Williams   |                    |                                |

## 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.



**Find us on Facebook**

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## SHORT CIRCUIT

### *2014 Afternoon workshops*



Have you ever thought of delivering a workshop at a Maths Conference but were a little hesitant?

Do you have a neat way of teaching some concept that you would like to share with colleagues?

Have you discovered some cool teaching technique that other teachers need to hear about?

Have you set an assignment or project that turned out to be a great learning experience for students?

Then we need you!

Whether you are from the primary or secondary sector, the CMA is giving you an opportunity to conduct a 1 hour, 4 pm workshop in 2014 at one of our local schools. We'll do the set up (get you in front of a projector, advertise your workshop, organise the afternoon and venue and provide the coffee) and you do the handout, or the PowerPoint, and the teaching.

It might be a great way for you to trial, in front of a few caring colleagues, a future workshop at a major conference! It might be the makings of a future article for one of the Australian professional teaching magazines?

If you are interested, email me on [Spinnamaths@yahoo.com.au](mailto:Spinnamaths@yahoo.com.au) and we can set you up at some time during 2014.

Ed Staples  
Council Member, CMA

Ps. I'm not attached to any school but do relief work in the ACT Government secondary sector. If you would like an in-school contact, see the CMA Website <http://www.canberramaths.org.au/>

*Welcome Drinks*

**Bring a friend**



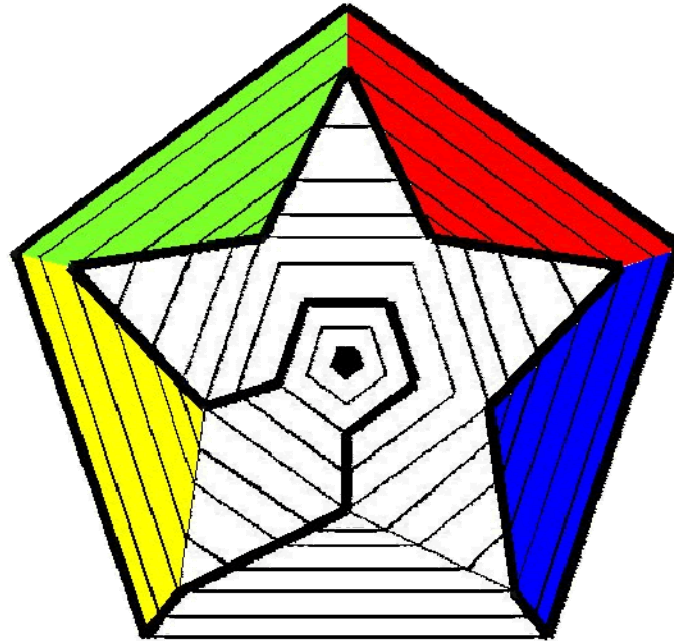
**THE CANBERRA MATHEMATICAL ASSOCIATION  
EXTENDS AN INVITATION**

***CMA 2014 WELCOME DRINKS FUNCTION***

**VENUE: ROSE GARDEN,  
ACU, ANTILL STREET, WATSON**

**DATE: 21 FEBRUARY 2014, 4:00 pm**

**Drinks! Finger Food! Lucky door  
prize!**



**THE CANBERRA MATHEMATICAL ASSOCIATION**

***CMA 2014 MATHEMATICS CONFERENCE***

***CATERING FOR DIVERSITY***

**VENUE: ACU, ANTILL STREET, WATSON**

**DATE: 16 AUGUST 2014, 9:00 am -5:00 pm**

**Great prizes! Keynote speakers!**

**Fully catered!**