



MSI - CONNECTED!

Newsletter of the Mapping Sciences Institute, Australia

mappingsciences.org.au

February / March 2015

Presidents Report

Welcome back everyone, I trust everyone has had a safe and enjoyable summer holiday. 2015 promises to be an exciting year, made special by the fact it is the International Map Year.

We have some key dates coming up early in March.

Submissions for the Australian entries for the International Cartographic Exhibition are due March 11th. This is an exciting opportunity for Australia to showcase its expertise in cartography and the mapping sciences to an international audience and it will also be wonderful to see Australia's mapping talents celebrated during the International Year of the Map. (more details below).

Entries close for the Barbara Petchenik Children map competition on the 11th April, these will be displayed at the Power of Map conference in late April. And a reminder that early bird registrations for the conference close 10th March.

SSSI are holding a Cartography and Map Design workshop on the day before the conference, the 28th April, at the same venue, making it very convenient to for people travelling to Canberra to participate in both events.

The workshop is aimed at providing the non-trained cartographer a foundational knowledge around cartographic processes, projections, datum and coordinate systems, dealing with spatial data and designing a map. But if you are a cartographer it would also be a good way to brush up on your skills. Many cartographers I know end up in roles where the map production is only a small part of it.

The Annual General Meeting will also held on the day prior to the conference, following the council meeting, all are welcome.

Trisha Moriarty

President MSIA



Trisha Moriarty, President MSIA

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From the Editor



Shane Oates, Editor

Welcome to the February / March 2015 edition of MSI-Connected!

Hope everyone had a great holiday and new years break and recharged their batteries and minds for an exciting and busy year ahead of us.

Work on the new website is progressing quite well to the point that we are now pretty much ready to review the current websites content, update what is required and move it across to the new one. Once this is done, very few things should be needed to go live.

It is also planned that once the website does go live, that the format of the MSI-Connected newsletter will change to an email newsletter which will direct members and other readers to the website for further and detailed information relating to mapping and its related sciences.

I would like to thank Trisha Moriarty and David Fraser and everyone else involved for the tremendous amount of work that has taken place in the background so far in the organisation of the Power of Maps conference to be held on the 29th April—1st May.

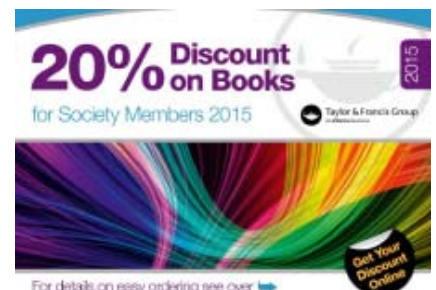
I will be attending on all days of the conference and hope to catch up with MSIA members and professionals from all aspects of the mapping and spatial science industry. I believe it will be a great opportunity to learn about the past and history of maps, current trends and practices and where the future direction of maps will take us!

I should also thank Doug Herrick for the huge amount of work and organisation that he has facilitated as National Coordinator for the Barbara Petchenik Children's Map Competition. I look forward to seeing all of the entries as the conference and the interpretation of maps from a younger generation.

On **page 6**, you will also notice vouchers that have been provided by Taylor and Francis.

These vouchers are as a result of MSIA and SSSI publishing the Journal of Spatial Sciences. The vouchers are available for use by all MSIA members.

Regards
Shane Oates





Barbara Petchenik Children's Map Competition 2015 Invitation



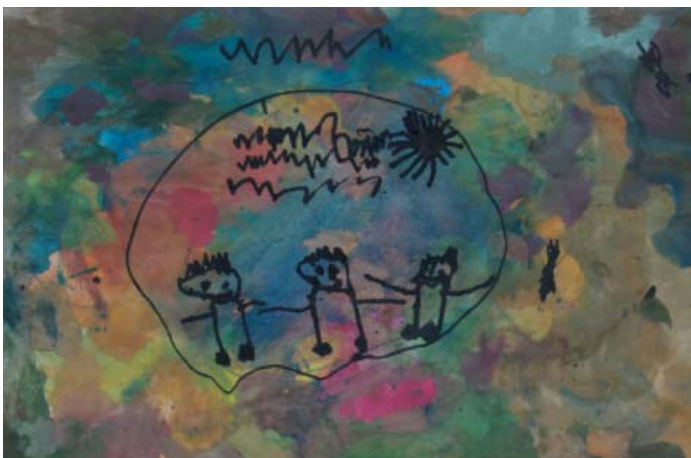
On behalf of the Mapping Sciences Institute, Australia and the International Cartographic Association, it is my pleasure to invite you to participate in the Barbara Petchenik Children's Map Competition 2015, an event created with the aim of promoting the creative representation of the world in graphical form by children.

In 2015, the International Map Year, this biannual international award has the theme of **"My place in today's world"** and entries can be nominated in four age groups: under 6 years, 6-8 years, 9-12 years and 13-15 years. The deadline for participation in the contest is **Thursday, 2 April 2015**.

Australian entries will be judged at "The Power of Maps" conference in Canberra from 29 April to 1 May 2015. The best 6 entries will be sent to the international judges at the "27th International Cartographic Conference" in Rio de Janeiro, Brazil from 23 to 28 August 2015.

For more detailed information about the competition, please visit the MSIA website <http://mappingsciences.org.au>. International details and teachers' material are available at the website of the International Cartographic Association <http://icaci.org/petchenik/>, the Commission on Cartography and Children <http://lazarus.elte.hu/cac/cac.htm> or their Facebook profile <https://www.facebook.com/icaccc/>

If you are interested to see the entries from the previous competitions, you can find all of them on the website entitled "Children Map their World" maintained by the Maps, Data and Government Information Centre at Carleton University Library <http://children.library.carleton.ca/>.



Yours sincerely,

Doug Herrick
National Coordinator
Barbara Petchenik Children's Map Competition 2015
mapcompetition@mappingsciences.org.au

MSI - Connected! content submissions

If you have an article, report, comment, image or any other content that you would like to share with fellow MSIA members, please send an email to msi-connected@mappingsciences.org.au

Content submission deadline for the February 2015 edition is Thursday 29th January 2015

Upcoming Events

2015

April 29 - May 1

**The Power of Maps -
(ANZMapS and MSIA) |**
National Library of Australia,
Canberra ACT, Australia

August 23 - 28

**27th International
Cartographic Conference,
16th General Assembly of ICA**
| Rio de Janeiro, Brazil

2016 / 2017

July 2 - 7, 2017

**28th International
Cartographic Conference |**
Washington DC, USA

**Do you know of a mapping
or a spatial related event, in
which other MSIA members
may be interested in
attending?**

**Let us know and will may
include the details in our
next newsletter!**

**We will soon be listing
Esri Australia events
and training courses on
the new MSIA website!**

**Training opportunities
and events from other
providers are currently
being sourced.**

Your thoughts...

The International Map Year (IMY)

By Don Pearce

The International Map Year provides a great opportunity to restore the image of Cartography and Cartographers to their rightful place in this country having been obscured and replaced with inadequate and incorrect terms based on modern expressions and descriptions, so much so, that very little reference can be found to Cartography in academic courses today around Australia where once they existed in every State.

In the last 12 months, two things have occurred that have focussed on the image of cartography and the need to change our views.

In 2013 /2014, the National Library of Australia hosted an Exhibition, "Mapping Our World: Terra Incognita to Australia" featuring many of the greatest maps in the World. The Exhibition became the National Library's most successful exhibition attracting more than 120,000 visitors.

The second issue of importance relates to the International Council of Scientific Unions accepting in 2014 that Cartography is a Science on the same terms as other sciences such as Chemistry, Physics, Biology etc. something thought to be impossible a few years ago.

In the early days of the Colonies that developed in Australia, draftsmen (known as Survey Draftsmen) were employed to draw up the plans of land subdivisions, roads and railways, carried out by surveyors and this practice remained until the 2nd World War when the military required detailed topographic maps of the country.

The Military set up their own training schools to cater for their requirements while Government Agencies such as Lands and Surveys, Mines and Forests, following the cessation of the war, it was realised that large mapping programs were required in each State and trained staff to carry them out. Certificate and Diploma Courses were established in Technical and TAFE Colleges throughout the Country at roughly the same standard to meet the need.

The Australian Institute of Cartographers established membership levels based on the Diploma and Certificate academic qualifications which proved to be satisfactory for many years.

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We would like your input!

**Submit your thoughts, opinions or any feedback
regarding cartography, mapping in general or even the
MSIA to us at MSI-Connected!**

Articles and opinion pieces can be emailed to the editor at
msi-connected@mappingsciences.org.au

Your thoughts continued...

While this system largely over many years solved the production of mapping problems, it did nothing for the cartographic profession in that all the academic courses were survey based and most management was carried out by licensed surveyors. Draftsman qualified as Survey Draftsmen, in some cases Cartographic Draftsmen but there was no such thing as a Cartographer was recognised as existed in other countries.

In the late 1970's, a tertiary level degree course in Cartography was established in Western Australia at what was then the WA Institute of Technology. Similar courses followed in other States.

However, despite these academic courses developing and producing a professional in Cartography, they were not generally accepted as such and were regarded as a lower level than other degrees and were not known as degrees in Cartography.

In an endeavour to embrace these courses with their variety of names and to get members, the Institute of Cartographers changed the name to Mapping Sciences. This had little effect and put the Institute at odds with the other 76 Member countries of the International Cartographic Association, all of whom have retained their original name of Society or Institute that included Cartography or Cartographers.

One of the recurring themes in the National Map Exhibition, was the reference to Cartographers and the work they had done over the centuries in designing and creating these masterpieces and in my view, they stand alongside the great architectural monuments of history for their creative skill and majesty.

Unfortunately, we in Australia never grew up with access to such wonderful products and we are fortunate that the National Library has brought them to our attention now.

It is perhaps timely that the other issue that I referred to, the acceptance by ICSU of Cartography as a Science, should occur over this period.

The International Council of Scientific Unions (ICSU) is a non governmental body of 121 members representing 141 Countries and 32 Scientific Unions and is the Peak body for science.

Membership is very difficult to obtain and much sought after and Cartography (ICA) made an application more than 30 years ago. This recognition is great for students in that they can now stand alongside chemists, physicists, biologists as equals but we need to make an issue of it and bring it to the attention of Academics in particular but business and the community as well.

I believe the Institute has a duty and responsibility to make it known that Cartography is a science and to encourage the Academic world to re-introduce degrees in Cartography for the benefit of our future students.

D. T. Pearce

Past President, MSIA

EDITORS COMMENT:

Once again, thank you Don for the article. I have just commenced a Bachelor of Spatial Science Technology (BSST) from the University of Southern Queensland and while determining which course I would undertake for further study from multiple tertiary institutions, the term "cartography" did not feature prominently in any course titles that I can recall.

We would like your input!

Submit your thoughts or opinions regarding cartography, mapping in general or even the MSIA to us at MSI-Connected!

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John (Jack) Cullen HonMMSIA

A Veteran of Two World Wars

By Trevor Menzies

In This year we are commemorating the centenary of ANZAC and the centenary of the formation of the Royal Australian Survey Corps. It is therefore a fitting time to pay tribute to Jack Cullen the only member of MSIA to have served in the First World War – in fact Jack served in both World Wars.

It is likely that some veterans of the First World War were members of the AIC which was formed in 1952. But surely Jack would have been the only member of MSIA as it was formed in 1995 when the youngest WWI veteran would then have been well into their nineties.

Jack was born in Ireland in 1892 and moved to Melbourne in 1909. In 1916 he responded to the nation's call for volunteers by enlisting in the AIF for service overseas. He served in various roles with units of the 5th Division in France from 1917 until the armistice.

After returning to Australia in 1919 he joined the Australian Survey Corps as a topographer. The main role of the Survey Corps at that time was the production of one inch to one mile series topographic map sheets. The plane table was the topographer's principal tool of trade for map compilation until aerial photography became available in the 1930s.

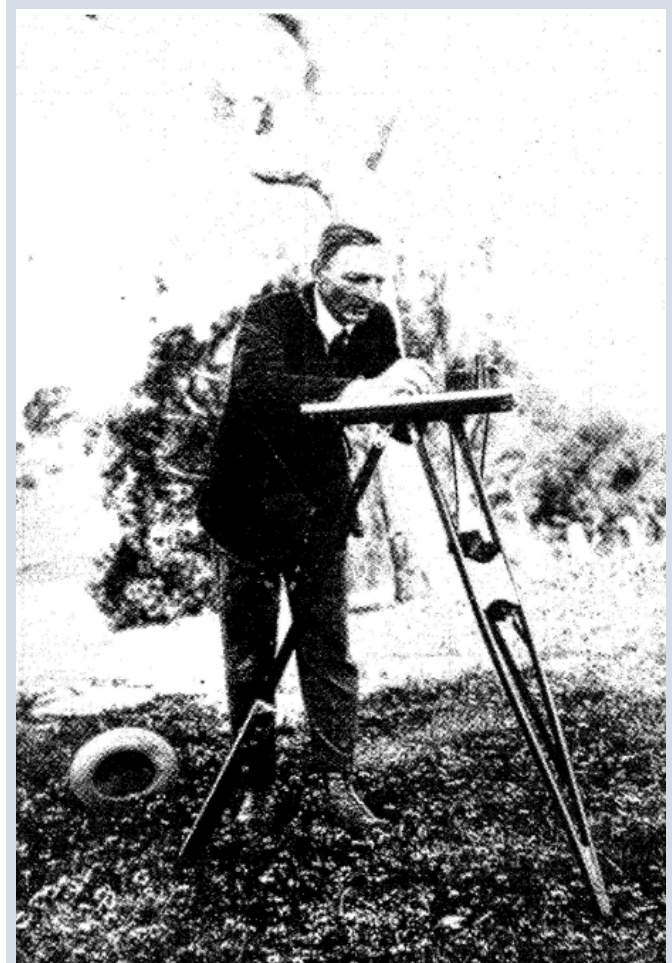
Plane tabling for one inch to one mile mapping over hundreds of square kilometres of country is quite a different proposition to the plane table exercise that many of us did as students on the college or university campus. A competent topographer had to possess the skills of a surveyor, draftsman and artist, and needed to have a good eye for country.

Jack certainly possessed all the traits of a competent topographer as can be seen from some of his original compilation sheets that are held in the cartographic collection of the National Library of Australia. He spent most of the 1920s carrying out plane table surveys in Victoria where his principal means of transport in the field was by bicycle as motor vehicles were then not readily available.

Jack pioneered the use of aerial photography for map compilation when it was adopted by the Survey Corps in the mid-1930s. When aged in his fifties he served throughout the Second World War mostly as an instructor at the Field Survey Training Depot in Victoria. His skill and experience in map compilation was a great asset for training the cartographers and surveyors needed for the expanding wartime Survey Corps.

After the war he transferred to the Army Survey Regiment at Fortuna in Bendigo where he continued to serve until retiring in 1952 at the compulsory age of 60. This was also the year when the AIC was formed. Jack Cullen was subsequently elected as an Honorary Member of the AIC in recognition of his pioneering service to military topographic mapping over the period 1920 to 1952. At the age of 103 he automatically became an Honorary Member of MSIA on its formation in 1995.

Jack passed away in 1997 three months short of his 105th birthday.



Caption: Sgt. Jack Cullen with plane table at Wonthaggi. c.1921

Source: Mapmakers of Fortuna: A History of the Army Sur-

Map of the Month

"A Complete Map of the Southern Continent: Survey'd by Capt. Abel Tasman & Depicted by Order of the East India Company in Halland [sic] in the Stadt House at Amsterdam."
- Bowen, Emanuel, d. 1767.

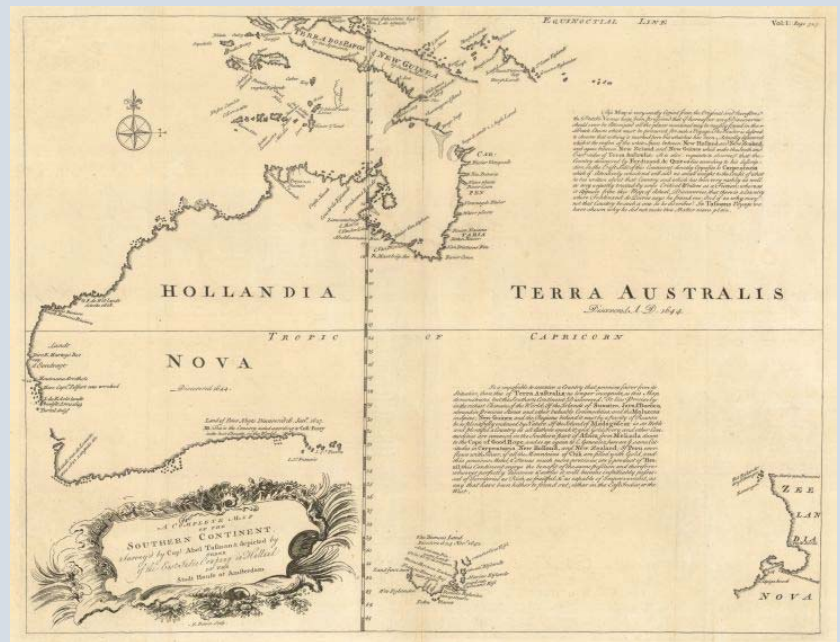
As my daughter is currently doing homework on Abel Tasman, I thought it fitting that this month's map be related to the explorer and a subsequent map produced of his voyages and discoveries.

Below is an extract from the Princeton University material relating to the map below.

First printed English map of Australia. Keeping the Dutch names, Bowen is quick to point out to the reader (in the top note) that only discovered territory is shown—hence all the blank spaces. Still, he claims that it "is impossible to conceive a Country that promises fairer from its Scituation, than this of Terra Australis; no longer incognita, as this Map demonstrates . . ." (bottom note).

Below the Tropic of Capricorn, Tasman's great discoveries of 1642 are sketched: Van Diemens Land and Nova Zeelandia; above it, his coastal exploration of northern Nova Hollandia, during which he missed finding the Torres Strait.

In 1606, Spanish navigator Luis Vaez de Torres (fl. 1606) had stumbled on the strait now bearing his name on his way to Manila in the Philippines, but his report was kept secret by Spanish authorities—an example of the proprietary nature of European discovery during the Age of Exploration.



Source: http://libweb5.princeton.edu/visual_materials/maps/websites/pacific/tasman/map-australia-bowen-1744.jpg

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Visit our website www.mappingsciences.org.au or email us for more Information about our organisation.

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Not a MSIA member?

If you are not a MSIA member and wish to join our organisation, please visit;

www.mappingsciences.org.au/new-members/

The four levels of membership and associated costs vary depending on academic qualification, relevant and professional experience, and willingness to further the objects of the Institute.

Member: - \$170 (retired \$85 per year)

Associate: - \$170 (retired \$85 per year)

Affiliate: - \$170 (retired \$85 per year)

Student Member - FREE

Fees are per year.



ANZMapS

The Power of Maps 2015

April 29th - May 1st

**National Library of Australia
Canberra**

The Australian & New Zealand Map Society (ANZMapS) along with the Mapping Sciences Institute, Australia (MSIA) are hosting this mapping conference over three days in the national capital, Canberra.

Submissions are now invited on any topic in cartography, map curatorship, history of cartography or exploration, geovisualisation and GIScience, or related disciplines, covering work of a professional or academic nature.

In acknowledgement of the 100 year anniversary of the ANZAC Corps and the 100 year anniversary of the formation of the Royal Australian Survey Corps, one session will be dedicated to military mapping.



Further details can be found on the conference website:
www.anzmaps.org/conferences/



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