



Australia's Representative
International Cartographic Association

MSI- Connected!

Newsletter of the Mapping Sciences Institute, Australia

MARCH 2014 EDITION

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DON PEARCE, PRESIDENT

PRESIDENT'S REPORT

I grew up with a great love of sport, music and education. In the days before TV, internet and computers, I can remember being glued to the radio in the early hours of the morning listening to Test Cricket being played in England with Don Bradman, Wally Hammond, the Davis Cup in America with Ken Rosewall, Lew Hoad, the World Heavyweight boxing title with Joe Louis (the brown bomber) and many others. I also listened to great talks and interviews through the BBC radio in London that shaped my views on the world during and after World War 2, the likes of Winston Churchill, Field Marshall Montgomery and even Adolf Hitler. It was a wonderful time and one marvelled at the sporting skills of the sports men and women and the powers of persuasion of the orators. It inspired in me the desire to be the best that I could be in whatever I did in life. I played a lot of sport at various levels but never quite reached the standards of my heroes although I tried to emulate them at every opportunity but could not apply the total dedication and commitment required.

However, I did reach the world stage as Secretary General and Treasurer of the International Cartographic Association which gave me the opportunity to attend the United Nations, one of my boyhood dreams, meet with Governors and Ambassadors in many countries and give speeches in many famous places.

Today, with TV, computers, internet and mobile phones, the world is brought into our lounge rooms and we can marvel even more at the superb skills and dedication of the modern athletes and the photographers who display every angle to us.

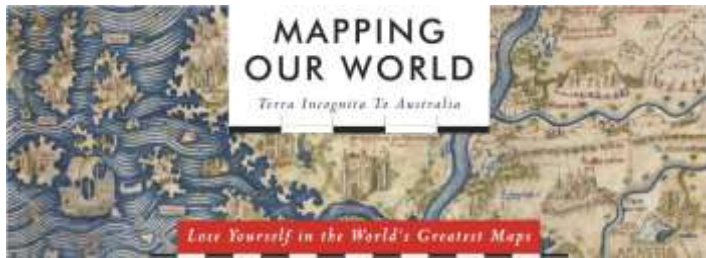
Over the last few years, just when we thought we'd seen it all at the Beijing Olympics, they do it better and faster at the London Olympics including the incredible Paralympics. I am currently watching the Winter Olympics in Sochi and once again, there seems to be no limits to what the human body and spirit can achieve. Even in our workplace, the current skills of our map makers are mind boggling compared to our early days and like the athletes, there seems to be no limits on where we can go. What is needed is the desire, dedication and the commitment to continually push the boundaries even further and I'm sure our "Y" generation has the ability to develop our profession of cartography to set new windows on the world.

We also need them to make MSIA the "Peak Body" for professional development in the business world.

Don Pearce
President, MSIA
don.pearce@westnet.com.au

MAPPING OUR WORLD REPORT

by David Fraser



National Library of Australia

7 November 2013 – 10 March 2014

The catch phrase is “Lose Yourself in the World’s Greatest Maps”. This proved to be true when David Fraser attended the exhibition on Wednesday 12 February. It took many hours to see the exhibition and a magnifying glass came in very handy a lot of the time. The exhibition was booked out with a steady stream of people throughout the day. People from all around Australia have visited the exhibition. According to Dr. Martin Woods, the Map Curator at the National Library of Australia (NLA), it has been particularly popular with local people, with one woman visiting six times and another planning to have a copy of the Macrobius map “Climatic diagram of the earth” tattooed on his body.

The centre piece is, of course, the Fra Mauro, Map of the World, 1448-1453, on loan from the Biblioteca Nazionale Marciana, Venice, Italy.

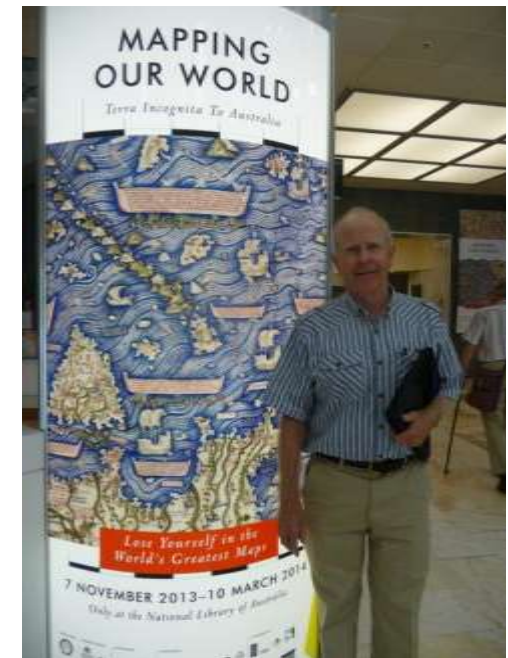
Two hundred and twenty four maps are displayed and the maps are displayed according to the following categories:

- Ancient Conceptions of the World
- Medieval Religious Mapping
- The Age of Discovery
- The Dutch Golden Age
- Europe and the South Pacific

Throughout the exhibition are placed artefacts, including a replica of Harrisons Chronometer, a copy of the Late Babylonian map of the world, navigational instruments including a 10th century astrolabe and written manuscripts.

It was an awe-inspiring exhibition. You had to be there to really appreciate all these original maps created so many years ago.

If you missed the exhibition, never fear, the catalogue is available from the NLA bookshop (<http://www.nla.gov.au/content/mapping-our-world-catalogue>). There are 288 pages filled with images of the exhibited maps and explanations from many cartographic experts. It is really a work of art in itself.



GETTING UP TO SPEED WITH QUEENSLAND GLOBE

by Les Isdale

MSIA Queensland members met for a briefing by Peter Lennon on Queensland Globe, at the Landcentre, Woolloongabba, on 4 February.

Around 25 members and guests took the opportunity to gain an overview into this important system of online access to Queensland geographical data bases.

Peter is Director, Spatial Data and Mapping, Department of Natural Resources and Mines. The technology is described at –

<http://www.dnrm.qld.gov.au/search-results?query=Queensland+globe&collection=qld-gov&form=simple&profile=dnrm>

Peter explained how GIS data is now delivered free online. It is a remarkable achievement, in bringing information of critical interest to cartographers to users by such simple processes. It is a huge breakthrough for Queensland mapping, and the Department can be justly proud of this achievement.

Remarkably, the service includes access to the map data held by other Queensland Government departments. We have a powerful new tool for mapping, and should now be focussing on ways of applying the system to our work.

As an Institute event it was a successful model for what could become a series of training events. You might like to comment on that idea, and identify areas of training which might be included.



Check out Peter Lennon's live demonstration to MSIA members on YouTube.

YouTube^{AU}

<http://youtu.be/8Erpsmlz5c8>

EDME PIONEER FAREWELLED

by Keith Smith

We were saddened to learn of the recent passing of **Keith Waller**, one of our most highly esteemed Honorary Fellows.

Born in Brisbane in 1922, Keith joined the Royal Australian Air Force in 1940 and for the duration of the War was stationed in Darwin, engaged in aircraft maintenance. Back in Brisbane after the War he completed the Bachelor of Surveying Degree at the University of Queensland and then moved to Melbourne to take up a position with the Division of National Mapping.

It was in his work with DNM that he became one of the pioneers in the use of Electronic Distance Measuring Equipment, the introduction of which made the topographic mapping of Australia feasible. In about the mid-1960's he was appointed to the position of Chief Topographic Surveyor in the Queensland Survey Office and became Queensland's first Director of Mapping when the Department of Mapping and Surveying was established in 1976. Keith held this position until his retirement in 1982.

Keith joined the Victorian Division of the Australian Institute of Cartographers in 1954 as a Student Member. When he moved back to Brisbane he transferred to the Queensland Division and served on the Committee as Honorary Treasurer. He was later elevated to the Grade of Honorary Fellow in recognition of his contribution to the development of the mapping sciences.

PASSING OF RUPERT GERRITSEN

Extracted from Wikipedia

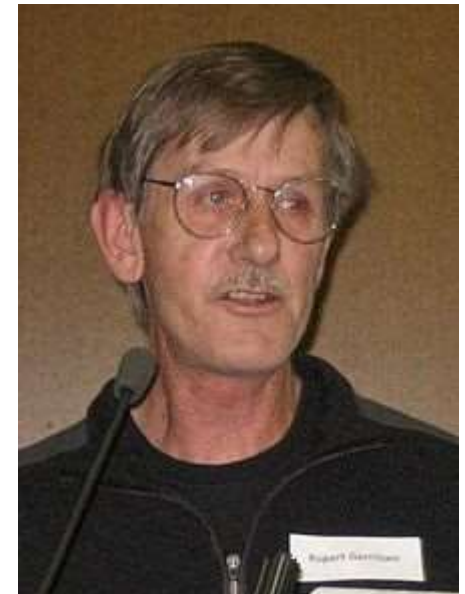
Rupert Gerritsen (photo – right) (1953-2013) was an Australian historian and a noted authority on Indigenous Australian prehistory. Coupled with his work on early Australian cartography, he played an influential part in re-charting Australian history prior to its settlement by the British in 1788. He died in Canberra, A.C.T. on Sunday 3 November 2013.

Rupert was co-founder of Australia on the Map: 1606–2006, and was that organisation's National Secretary. At his death he was Chair of its successor organisation, the Australia on the Map Division of the Australasian Hydrographic Society which aims to make Australians more aware of Australia's early history and heritage, beginning in 1606.

Under the Australia on the Map Division of the Australasian Hydrographic Society, Rupert had sole or joint responsibility for a number of projects, including the "Search for the Deadwater Wreck".

Rupert was a Petherick Researcher at the National Library of Australia since April 1995 and focussed his research and writing on early Australian history.

Rupert was a regular speaker at conferences, including presenting at the AMC/MSIA joint conference in Brisbane, 2009, and at the Brisbane International Geospatial Forum in 2012.



JOURNAL OF SPATIAL SCIENCE – NOW DELIVERED TO YOUR DESKTOP

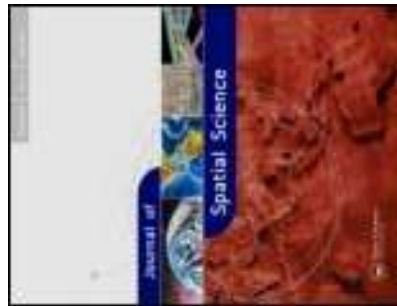
by Caroline Berryman

Publications Manager – Editorial Board

The Journal of Spatial Science (TJSS) is a peer-reviewed journal in the Mapping Sciences that is published twice yearly in March and September by Taylor & Francis (T&F).

TJSS is a publication of The Mapping Sciences Institute, Australia (MSIA) and Surveying & Spatial Sciences Institute (SSSI) which publishes papers contributed by members of both MSIA and SSSI, and also contributors from across the world. These are original peer review Research and Review Papers contributing to the theory and practice of the mapping sciences representing new ideas and improvements on existing approaches to old problems. The Journal also publishes Professional Papers that describe aspects of professional practise and implementation of techniques related to cartography, geodesy, geographic information science, hydrography, photogrammetry, remote sensing or surveying. This provides an opportunity for professionals and practitioners to inform the world of their business and industry innovations.

As part of your MSIA membership you have Free Online Access to the Journal. You will receive a welcome to Taylor and Francis Online email with instructions for registering and redeeming your subscription voucher. The Editorial Committee encourages all MSIA members to register with T&F and to regularly access the TJSS from their website. If any members are interested in submitting papers to the journal, guidelines for authors are also available online.



MEMBER RESPONSE

In the last edition of MSI-Connected! Members were asked to provide their comments about the name of the organisation. Here is what John Ashby contributed, in regards to Keith Smith's article about the name change from the Australian Institute of Cartography, to the Mapping Science Institute, Australia:

No I do not think it was a wise move, I understand the need to change to incorporate all the new and exciting off shoots (geo spatial disciplines) from cartography and surveying but I think SSSI took over that leaving us with not much voice.

LOOKING FOR CONTRIBUTIONS

This publication needs material and articles for future editions. To contribute, please contact the Editor by email on adam.ladhams@hotmail.com

MEMBERSHIP FEES

Membership fees for 2014 are due soon. If you have any enquiries about your invoice or for more information about MSIA membership fees, please email the National Treasurer at national.treasurer@mappingsciences.org.au



Salt ponds Source: <http://www.fastcoexist.com/3026174/stunning-photos-of-earth-from-above-will-change-your-outlook-of-the-planet>

JULIE ANDREWS TURNS 79

Contribution by member via email

To commemorate her birthday, actress/vocalist, Julie Andrews made a special appearance at Manhattan's Radio City Music Hall for the benefit of the AARP. One of the musical numbers she performed was 'My Favorite Things' from the legendary movie 'Sound Of Music'.

Ms. Andrews received a standing ovation from the crowd that lasted over four minutes and repeated encores.

Here are the lyrics she used:

*Botox and nose drops and needles for knitting,
Walkers and handrails and new dental fittings,
Bundles of magazines tied up in string,
These are a few of my favorite things.*

*Cadillacs and cataracts, hearing aids and glasses,
Polident and Fixodent and false teeth in glasses,
Pacemakers, golf carts and porches with swings,
These are a few of my favorite things.*

*When the pipes leak, When the bones creak,
When the knees go bad,
I simply remember my favorite things,
And then I don't feel so bad.*

*Hot tea and crumpets and corn pads for bunions,
No spicy hot food or food cooked with onions,
Bathrobes and heating pads and hot meals they bring,
These are a few of my favorite things.*

*Back pain, confused brains and no need for sinnin',
Thin bones and fractures and hair that is thinnin',
And we won't mention our short shrunken frames,
When we remember our favorite things.*

*When the joints ache, When the hips break,
When the eyes grow dim,
Then I remember the great life I've had,
And then I don't feel so bad.*



THE HUMBLE MAP AS A STRATEGIC ESSENTIAL

Written by Keith Smith. Illustrations by David Fraser

After they climbed down out of the trees and started to wander about, one of the first things the ancients were prone to ask one another was, “Where is it?”



As David Attenborough would whisper, “Approximately ten thousand years later, it occurred to them that rather than answer with a jumble of oral instructions, it was more useful to scratch a few lines in the sand, add a couple of landmarks and indicate distances and directions.” The art of mapping was born.

Venturing further afield, they were then more apt to ask, “Where are we?” To answer this one, distances and direction became more critical, so a certain amount of science was introduced into map-making. Short distances could be measured in paces; longer ones by times taken – like so many days or so many moons. For direction, they looked to the stars for guidance and thus managed to find their way home, on land or at sea.

Eventually the olden-day folk learnt how to grow food and herd animals, so they quit gallivanting around doing the hunting and gathering bit, and established settlements, and later, kingdoms and then empires. In these circumstances, it became strategically important to delineate the extent of one’s domain, otherwise how could one defend it against the other bloke’s territorial ambitions?

...article continued next page



In modern times, Australia learnt the lesson of the strategic importance of maps when we were called upon to defend ourselves against the Japanese when they tried to invade us as their contribution to World War II. Thus it was, that soon after the War, we embarked on a serious attempt to measure and map the size and shape of our continent. In this endeavour we relied on surveyors to make the measurements, photogrammetrists to turn aerial photographs into contour lines and cartographers to do the drawing thing. Technological advances in all three areas made this national topographic mapping program a practical reality. Surveyors introduced electronic distance measuring equipment, photogrammetric instruments became more user-friendly and cartographers put away their pens and ink and used scribing tools and prepared-lettering. By about 1970 we could justifiably claim that Australia had accurate base-mapping over the entire country.

Then we were able to answer the questions, “Where is it?” and “Where are we?” by quoting the latitude and longitude or the Australian Map Grid coordinates both thoughtfully included on the maps.

The maps also provided a base to display the spatial distribution of much information important to planning the provision of infrastructure and to the development of policies for environmental management and the advancement of our economic and social well-being.

Well done map-makers of Australia!



GeoCart'2014

Cartographic Journeys through Space and Time

Auckland
New Zealand
3-5 September 2014

Welcome

Invitation

Programme

Contact



Welcome to GeoCart'2014

MDW'2014

NZCS

ANZMapS

The seventh National Cartographic Conference **GeoCart'2014** and 42nd ANZMapS Conference will convene in Auckland, 3-5 September 2014. It will be held at the outstanding facilities of **The University of Auckland** in the *City of Sails* - Auckland, New Zealand.

GeoCart'2014 is jointly organised by the **New Zealand Cartographic Society** and **Australian and New Zealand Map Society**.

Confirmed Keynote Speakers include:

- Kenneth Field, Esri, *USA*
- Kristoffer Kristiansen, Norwegian Mapping Authority, *Norway*

Special Presentation by

- Georg Gartner, President of the ICA, *Austria*

Information

- > GeoCart'2014 *Guidelines for Authors* are now available (28.02.14)
- > GeoCart'2014 *website* published (09.12.13)

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NZCS Map Design with ArcGIS Workshop (MDW'2014)

The Conference will be preceded by the **Map Design with ArcGIS: Mapping the 3rd Dimension Workshop, 1-2 September 2014**, organised by the New Zealand Cartographic Society within its *EduCart* initiative. It is the continuation of the highly successful Workshops run in 2010 and 2012.

Quick Links

- > [Conference Programme](#)
- > [Important Dates](#)
- > [Guidelines for Authors](#)
- > [Contact Information](#)

Venue

Engineering Extension
The University of Auckland



Organisers

- > [NZ Cartographic Society](#)
- > [Australian and New Zealand Map Society](#)

Email

- > [GeoCart'2014 Secretariat](#)

For more information about GeoCart' 2014, visit <http://web.env.auckland.ac.nz/public/geocart2014/>