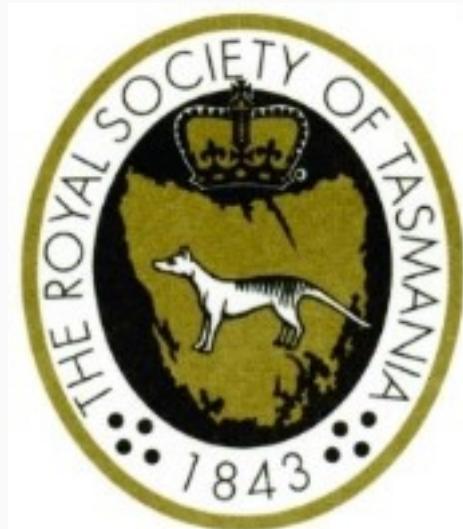


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## MID JULY NEWSLETTER



All welcome, members and friends are invited to attend this lecture presented by  
Prof Margaret MacMillan (pictured above)  
**War and the Making of the Modern World**  
Friday 10 August 2018 @ 6 pm at the  
**Stanley Burbury lecture theatre** at UTAS Sandy Bay

War is deeply woven into human history. Organised society and conflict appear to have marched side by side, each affecting the other. Wars have changed societies in many ways but changes in society have also affected the nature of war. We remember war, rightly, for its destructive impact but it has also led to advances in science, to improvements in the position of previously marginalised groups such as women or to greater equality.

This lecture will examine some of the paradoxes of war drawing on examples from history. Since it is a century since the end of the Great War, particular attention will be paid to its causes and consequences.

Margaret MacMillan is a Professor of History at the University of Toronto and the former Warden of St. Antony's College. Her books include *Women of the Raj* (1988,

2007); *Paris 1919: Six Months that Changed the World* (2001) for which she was the first woman to win the Samuel Johnson Prize; *Nixon in China: Six Days that Changed the World*; *The Uses and Abuses of History* (2008); and *Extraordinary Canadians: Stephen Leacock* (2009).

Her most recent book is *The War that Ended Peace*. She is a Fellow of the Royal Society of Literature and a Senior Fellow of Massey College, University of Toronto, Honorary Fellow of Trinity College, University of Toronto and of St Hilda's College, University of Oxford, and sits on the boards of the Mosaic Institute and the editorial boards of International History and First World War Studies. She is also a Trustee of the Rhodes Trust.



All welcome, members and friends are invited to attend. Presentation by

Assoc Prof Jonathan Binns (pictured above)

### **Why Does an Engineer Need a PhD?**

Real problems in industry, defence and sport tackled with research and innovation in Tasmania, Australia and the world.

Sunday 26 August @ 1.15 pm [Meeting Room, Inveresk QVMAG](#)

Small fee for non-members (includes refreshments)

**Associate Prof. Jonathan Binns is the Director, ARC Research Training Centre for Naval Design and Manufacturing and also the Deputy/Associate Dean, College of Sciences and Engineering at the National Centre for Maritime Engineering and Hydrodynamics, UTAS.**

A/Prof Binns started his research career whilst working as a design and research engineer with Murray, Burns and Dovell Naval Architects and the Australian Maritime Engineering CRC after completing his MSc at Curtin University of Technology in 1996. This role allowed Jonathan to develop his engineering design and construction skills whilst still refining research projects in a number of industry-centred projects, including one America's Cup campaign in 1997–1999.

Following this period, Jonathan completed his PhD at the Australian Maritime College, then secured a research engineer position with BMW Oracle Racing, based in Valencia. In 2007, Jonathan returned to the AMC as a postdoc research fellow. In 2010 he was promoted to senior researcher and in 2015 to principle senior

researcher in the field of maritime hydrodynamics.

In 2014 he took on the role of Director of the ARC Research Training Centre for Naval Design and Manufacturing and in 2015 he began as Associate Dean of Research for the Australian Maritime College.



## Join us in celebrating our 175<sup>th</sup> anniversary at coming major events:

- Publication of two major books, based on Royal Society archives:
  - \* *Mapping Van Diemen's Land and the Great Beyond*
  - \* *Poles Apart : Fascination, Fame and Folly*
- A Jurassic Picnic at the Royal Tasmanian Botanical Gardens in November
- *The Dinosaur rEvolution* exhibition at the Tasmanian Museum and Art Gallery (from December 2018 to May 2019)
- An exhibition of Simpkinson de Wesselow art works at the Tasmanian Museum and Art Gallery
- A Scientific Symposium on dinosaurs and evolution in March 2019



## The Royal Society of Tasmania Medal Presentation and Lecture

Members and friends are invited to attend The Royal Society of Tasmania Medal Presentation and Lecture, to be hosted at Government House by Her Excellency Professor the Honourable Kate Warner, AC, Governor of Tasmania. and Mr Warner at **6.00pm on Thursday 30 August 2018**. The recipient of the medal and lecturer is Emeritus Distinguished Professor Ross Large.

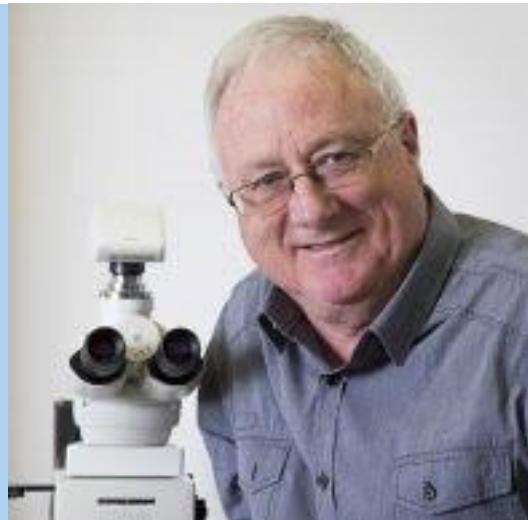
**The Royal Society of Tasmania Medal was established in 1927 and is the most prestigious award conferred by the Society.**

**The title of Ross's lecture is: The Rhythms of Earth and Life Through Time**

Earth has a pulse called plate tectonics and this pulse has controlled the formation of great mountain ranges, the chemistry of the oceans and the evolution of life over the last four billion years. The formation and break up of supercontinents, the supercontinent cycle, involves continental plates crashing together to build major mountain ranges. This process, in geological terms, was slow to get underway, occurring roughly every 400 to 600 million years in the early stages of Earth history.

However, about 600 million years ago, the plate tectonic and mountain building process sped up to a frequency of 60 to 120 million years. This change in the rhythms of Earth processes was fundamental to the evolution of life, starting with the Cambrian explosion at 550–520 million years ago, followed by cycles of rapid bio-diversification, then mass extinction.

Five cycles driven by plate tectonics and mountain building took place over the last 600 million years, each commencing with diversification of life and ending in a major mass extinction event. These constitute the rhythms of Earth and life.



### Ross R. Large Biography:

Ross Large is an Emeritus Distinguished Professor of Geology at the University of Tasmania. He gained his BSc (Hons) from the University of Tasmania in 1969, PhD from University of New England in 1973 and an Honorary Doctor of Engineering from the University of Lulea, Sweden.

For ten years Ross worked in the mineral exploration industry. In 1984, he joined the University of Tasmania and, five years later, established the Centre for Ore Deposit and Exploration Science (CODES). Under his leadership, CODES grew to become recognised as one of the top industry collaborative ore deposit research centres in the world.

Ross has published over 120 scientific papers and is internationally recognised for his research on the genesis of ore deposits and relationships to Earth evolution. His current research interest is the chemistry of past oceans and relationships to evolution of life, mass extinction and mineral deposit cycles.

He has won many awards during his career – the most recent as lead scientist for a UTAS team that won the 2016 Eureka Prize for interdisciplinary research. Ross is the President of The Royal Society of Tasmania and the Chair of the Tasmanian Division of The Academy of Technology and Engineering.

### Booking information:

We invite you to register to attend The Royal Society of Tasmania Medal Presentation and Lecture at Government House at 6.00pm on Thursday 30 August 2018.

All attendees will need to book and print their tickets by **Friday 17 August 2018**. The bookings for this event will open on Wednesday 1st August and close on Friday 17 August 2018.

There is **no charge** to obtain a ticket and these may be booked via the Government

House website as follows:

1. Go to [www.govhouse.tas.gov.au](http://www.govhouse.tas.gov.au) and click on the ‘Events and Tours’ tab on the right-hand side of the homepage. Select ‘Reserve tickets’ for The Royal Society of Tasmania Medal Presentation & Lecture. You will be directed to the Government House Tasmania event on the Trybooking.com website.
2. Enter the **Invitation Code: RSMP18**. This will allow you access to continue your booking via the Trybooking website.
3. Complete the booking as per the Trybooking website instructions. Tickets should be booked in the names of the guests who wish to attend. Generic bookings, such as “Partner of Mr Bill Smith”, are **NOT** acceptable. In the “Capacity in which attending” box, we would be grateful if your guests would indicate the capacity in which they will be attending the reception, e.g: Organising Committee, Board Member, Member, etc. Ticket(s) will be sent to the guest’s nominated email address.
4. **Guests will need to print their ticket(s) and ensure that they bring it/them to Government House on the evening or, alternatively, the ticket(s) can be scanned from a mobile phone.**
5. The closing date for bookings is **Friday 17 August 2018 (6.00 pm)**.

We look forward to seeing you there.

David Wilson  
Honorary Secretary

## Royal Society Bursaries

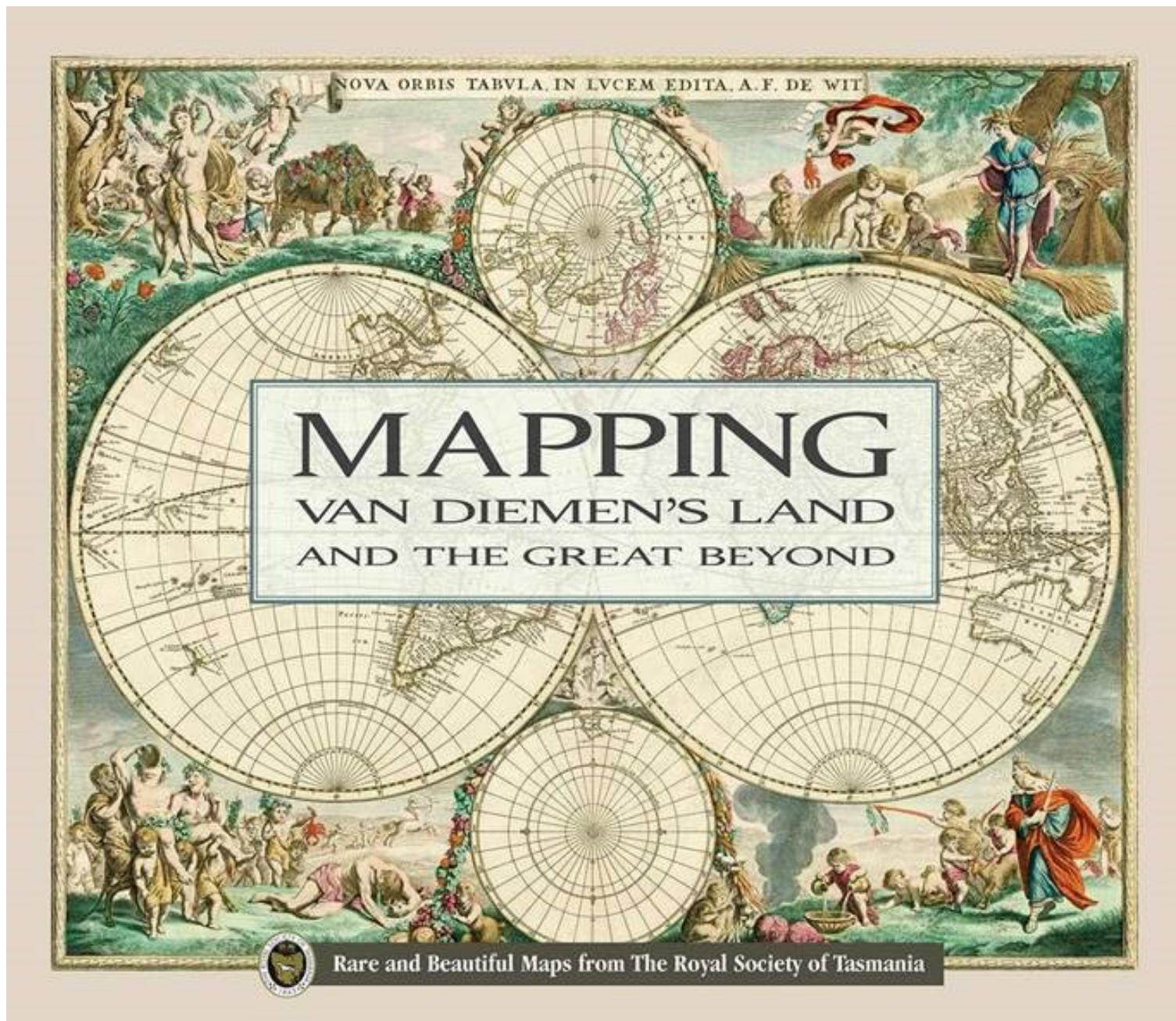
About 20 years ago, Dr Peter Smith, a long time and valued member of the Society, noticed with the then Secretary that there were Tasmanian science students who, having represented our state at a national science event of substance, were chosen to travel overseas and represent Australia at a similar but globally-oriented activity. The Society, over the years since, has supported such students when they applied to the Society, but it was very much *ad hoc* and was not even advertised.

Based on a recommendation from your Honours Committee, the Council decided in 2017 to formalise this option of supporting outstanding young students who represent Australia at an international summer school or similar. We named this a ‘Royal Society of Tasmania Bursary’ and circulated details to key teachers around the state in both government and private schools.

We received quality applications for bursaries and are delighted to inform you that in this 175<sup>th</sup> year of the Society, nine students in the 16–17 years range will attend global science activities in Beijing, Cape Kennedy and London. We also supported

two students to attend the 2018 Junior ANZAAS school in Melbourne.

In following years, we will continue to offer these bursaries, but more likely the number will be three or four per year. The standard of work our young people are doing now is quite outstanding and so you, as members, will know that your Society continues to “advance knowledge” in the next generation. It is our fervent hope that we can also move into the arts as we move to acknowledge that key part of learning and developing.



The Royal Society of Tasmania is celebrating its 175<sup>th</sup> Anniversary year, starting in October 2018. As part of the celebrations, two books are being published. The first, *Mapping Van Diemen's Land and the Great Beyond* (cover shown above) edited by Lynn Davies, Margaret Davies and Warren Boyles will be published in mid July. The volume contains over 100 high resolution images of rare and beautiful maps from the Society's collection with text from authoritative contributors contributing to their understanding.

Our second volume, *Poles Apart: fascination, fame and folly*, edited by Anita Hansen and Brita Hansen, will be published in November 2018, and we will keep you informed on its appearance.

[Order Mapping Van Diemen's Land and the Great Beyond](#)



*The Royal Society of Tasmania*  
2019 CALENDAR

[Order 2019 calendar now](#)

## Save the date for our September lectures

The Hobart Society's **September lecture** will occur on  
**Tuesday 4 September** presented by Associate Prof Arko Lucieer.

The Northern Lecture will occur on  
**Sunday 23 September** presented by Dr Patsy Cameron titled

## Can anyone help?

The Herbarium is trying to track down some copies of the *Papers and Proceedings of The Royal Society of Tasmania*:

Vol 124 (2)

Vol 133 (2)

Vol 141 (2)

Anyone who has copies of these that they do not need and would be prepared to help should contact Matt Baker [Matthew.Baker@tmag.tas.gov.au](mailto:Matthew.Baker@tmag.tas.gov.au) This would be greatly appreciated.

**TMAG what's on**

**Subscription renewal 2018**



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FORWARD to a FRIEND RoyalSocTas Mid July newsletter

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