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SEPTEMBER NEWSLETTER



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

Her Excellency Professor the Honourable Kate Warner, AC, Governor of Tasmania took great pleasure in conferring The Royal Society of Tasmania Medal on **Emeritus Distinguished Professor Ross Large** at Government House on 30 August.

Prof. Ross Large then delivered an enlightening and inspiring lecture titled *The Rhythms of Earth and Life Through Time*. He emphasised that the project was not a solitary study but a global interdisciplinary collaboration with several research geologists, palaeontologists, biologists and geochemists and also included the ground-breaking research of several PhD students from across the globe. Results from the project have lead to some startling results for the scientific community.





Above top: Em. Dist. Prof. Ross Large with his beautiful wife, Marley.

Above and below: At the reception at Government House generously hosted by The Governor and Mr Warner, guests were able to relax chatting with Ross about his research and with other members and friends of the Society.



Whilst at the reception for Prof. Ross Large, RST Vice President Mary Koolhof (right) took pleasure in presenting The Governor with a copy of the Society's latest publication, *Mapping Van Diemen's Land and the Great Beyond*. The Governor was delighted with the gift and thrilled at the thought of delving into the book to determine how discoverers and cartographers progressively added more and more detail to our majestic coastline.



The Rise of the Drones: How Unmanned Aircraft Systems (UAS) create opportunities for environmental remote sensing and geosciences

Amidst some rather intimidating-looking drones, RST President Ross Large (above) introduced Assoc Prof Arko Lucieer (right) to the September lecture audience in Hobart.

Prof Lucieer leads a team of nine personnel at the UTAS Terraluma research project who aim to develop novel tools and algorithms for environmental remote sensing applications and aerial surveys using unmanned aircraft systems (UAS). The team specialises in UAS sensor integration and image processing for earth observation applications.

UAS have a range of applications, including mapping terrain; monitoring the environment; precision agriculture and viticulture; mapping and monitoring vegetation in remote locations such as Antarctica; and deriving 3D tree structure for forest inventories. Further information can be found at: <http://terraluma.net/>



All welcome, members and friends are invited to attend this lecture presented by

UTAS PhD students
Breaking New Ground

PhD students from the University of Tasmania will be presenting synopses and answering questions about their current research and progress.

Tuesday 2 October 2018

@ 8 pm at the

[Royal Society Room, TMAG](#)

Postgraduate Evening



Nicole Hellessey is a PhD student with the Institute for Marine and Antarctic studies.

Nicole is researching Antarctic krill diets and how they change seasonally, inter-annually, regionally and with the environment. Nicole's end goal is to help the krill fishery to become more sustainable.

Shasta Henry is current PhD candidate at the University of Tasmania, where she is looking into the impacts of wildfires on alpine invertebrate communities.

As an independent Science Communicator, I talk about insects as technology, on farms, under your

skin and on your plate.



Peter Lynch is a graduate of the Canberra School of Music (performance), Monash University (musicology) and The University of Melbourne (education administration).

His research focuses on the liturgical music of each of selected Australian monastic communities as it evolved over the period from 1960, two years prior to the commencement of the Second Vatican Council, to 2015, marking 50 years since its conclusion.

Engagement with Aboriginal Community

As noted in an earlier Newsletter, the Council is exploring how it can move to improved relations with Tasmanian Aboriginal people. The Council has been educating itself with regard to the relevant history of the Society. To further advance this matter, the Council has formed an Aboriginal Engagement sub-committee. This is co-chaired by Prof Matt King (immediate Past President) and Dr Greg Lehman, with other members Mary Koolhof (Vice President), David Morris and Dr Robert Johnson. The sub-committee is currently preparing a discussion paper to circulate to all members and to offer members the opportunity to provide input into Council's considerations. If you have any questions on this, please feel free to email Matt.King@utas.edu.au or contact one of the other sub-committee members directly.

**Exploring Science
Heritage**
Initial Information and Call
for Papers for the Australia
ICOMOS



Under the Microscope – Exploring Science Heritage Symposium

Hobart, Tasmania
November 2018

The ***Under the Microscope – Exploring Science Heritage Symposium***, Hobart, Tasmania, 11–12 November, is a rare opportunity to put Australia's science heritage under the microscope, discuss this important facet of heritage and science in a Tasmanian setting and to visit some special and unusual Tasmanian heritage places.

The aim of this Symposium is to shine light on the physical heritage of Australia's long history of science and innovation and the identification and conservation of this 'science heritage'. It is designed to be a multidisciplinary dialogue that explores the heritage of Australian science, including what science heritage is, what significant science heritage we have in Australia and whether there are particular management needs for the conservation of this heritage.

The Symposium comprises a one-day field excursion on Sunday 11 November and a day of presentations and discussion on Monday 12 November. (Note: the field excursion will be a joint field trip with a second Australia ICOMOS symposium on cultural landscapes being held on 10–11 November).

The Symposium has been organised by Australia ICOMOS with the support of Cultural Heritage Practitioners Tasmania and The Royal Society of Tasmania, and with assistance from CSIRO Oceans & Atmosphere and the Australian Academy of Sciences.

The Symposium is open to all with an interest in science heritage. Your participation is welcomed.

The Symposium organisers are now calling for papers and registration opens on 20 August 2018.

More information on the Symposium can be found at:

<https://australia.icomos.org/events/tas-2018-symposia/>

Northern Lecture: All welcome, members and friends are invited to attend.

Presentation by

UTAS PhD students
Breaking New Ground

PhD students from the University of Tasmania will be presenting synopses and answering questions about their current research and progress:

- **Brianna Atto** – *Respiratory probiotics: A new way to fight respiratory tract infections?*
- **Erica Spain** – *Mapping the extremes: underwater robots and ice shelves*
- **Fletcher Thompson** – *Torpedo teamwork: marine robots working together*
- **Manoja Herath** – *Beyond infant growth charts: Time to measure the body composition of infants?*

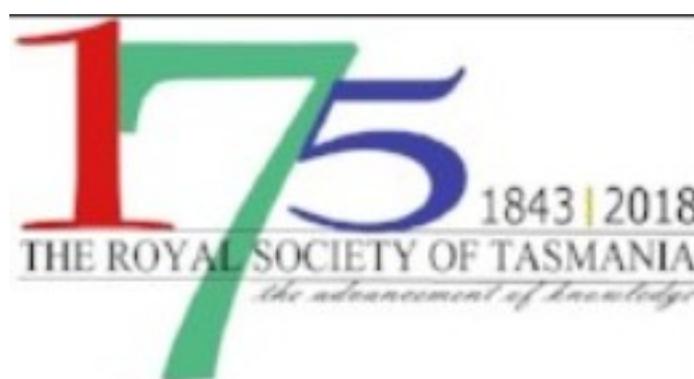
Sunday 28 October @ 1.15 pm [Meeting Room, Inveresk QVMAG](#)

Small fee for non-members (includes refreshments)



175th Events Calendar

Hobart Events	Location	Time	Date
<i>Poles Apart: Fascination, Fame and Folly</i> book launch	TMAG	5.45pm	6 November 2018
Jurassic Picnic	Royal Tasmanian Botanical Gardens	10.00am–1.00pm	10 November 2018
<i>Poles Apart</i> exhibition	Morris Miller Library foyer, Sandy Bay	8.30–9pm weekdays 8.30–6pm weekends	Nov–Dec 2018
DINOSAUR rEVOLUTION	TMAG	Tues – Sun 10.00–4pm Closed Mondays	7 December 2018– 5 May 2019
Louisa Anne Meredith Exhibition	Jane Franklin Museum	1.30–5.00pm Sat and Sun	February 2019
Dinosaur Symposium	Stanley Burbury Theatre UTAS	To be advised	23–24 March 2019
De Wesselow exhibition	TMAG	Daily 10.00–4pm Closed Mondays	March 2019
Northern Events	Location	Time	Date
<i>The Laughing Gas Cure</i> play reading	QVMAG Launceston	1.30pm	30 September 2018
<i>Poles Apart: Fascination, Fame and Folly</i> book launch	QVMAG Launceston	1.30pm	25 November 2018

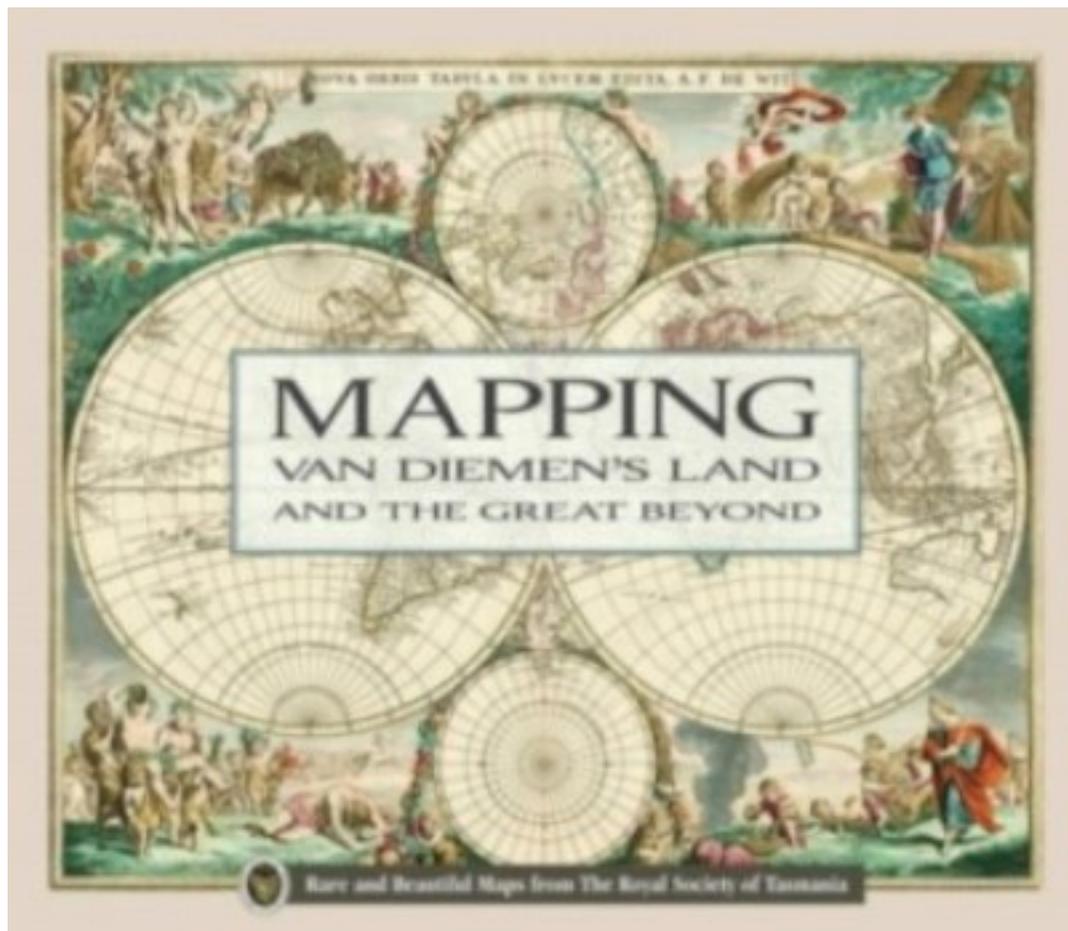


[The Laughing Gas Cure](#)

Play reading: QVMAG at Inveresk at 1.30pm, Sunday 30 September 2018

As part of our 175th anniversary, The Royal Society of Tasmania will be presenting a reading of this play by local playwright Stella Kent. The play reading is directed by Peter Hammond.

Set over a period of years in the 1770s, the main character is a Dr Thomas Beddoes. The play traces the change in his friend Joseph Banks from a fop to the President of the Royal Society. The play examines how the very notion of science is replacing anecdotal evidence and natural philosophy. While the play examines serious concerns, it is also full of humour.



The Royal Society of Tasmania is celebrating its 175th Anniversary year, starting on 14 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, was launched 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 book, *Poles Apart: Fascination, Fame and Folly*, edited by Anita Hansen and Brita Hansen, will be published in November 2018.

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



The Royal Society of Tasmania
2019 CALENDAR

Order your 2019 calendar now

Tasmanian STEM Excellence Awards 2018

Tasmanians who have excelled in science, technology, engineering and mathematics (STEM), STEM teaching or STEM communication are invited to apply for:

- The Premier's Tasmanian STEM Researcher of the Year Award (\$10,000)
- The Minister's Tasmanian STEM Innovation of the Year Award (\$5,000)
- The Tasmanian STEM Teacher of the Year Awards for Primary and Secondary Teachers (two prizes of \$2,500 each)
- The Tasmanian STEM Communicator of the Year Award (\$5,000)
- The Tasmanian STEM Young Researcher of the Year Award (\$5,000)

APPLICATIONS CLOSE FRIDAY 28 SEPTEMBER 2018

Application form and guidelines stategrowth.tas.gov.au
Contact Sarah.Bayne@utas.edu.au



The awards are supported by the Tasmanian Government, Inspiring Australia and the University of Tasmania

Save the date for our November lectures

The Hobart Society's **November Special Lecture** will occur on
Wednesday 14 November presented by
Susannah Fullerton, OAM, FRSN, President of the Jane Austen Society
And so to bed ... The Diary of Samuel Pepys

Northern Lecture

The Annual QVMAG Staff Lecture

will occur on **Sunday 25 November** presented by
David Maynard, Natural Sciences Curator
Tasmania's Forgotten Emus

TMAG what's on

Subscription renewal 2018

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