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JULY NEWSLETTER



The Royal Society of Tasmania Lecture on Tuesday 6 August at 8.00pm

in the Royal Society Lecture Room
Customs House Building, entrance from Dunn
Place.

Open to the general public. Admission free.

**Snapshots of 175 Years of The Royal
Society of Tasmania's Minutes** presented by
Mrs Marley Large.

Over the last year, Marley has researched several topics in the Royal Society of Tasmania's archives. Along the way, she discovered various unexpected and often exciting twists and turns and went down many irrelevant but highly enjoyable rabbit holes. The result is a wealth of information, sometimes scientific and sometimes quirky, about individuals, developmental events, social issues, infrastructure and innovation that made a significant difference in Tasmania.

Northern Branch June Lecture

On Sunday 28 July, at 1.30pm at the QVMAG Meeting Room at Inveresk, **Gustaaf Hallegraeff** will speak on **Harmful Algal Blooms in the Australian Region.**

While microalgal blooms are natural phenomena, since the 1980s their impacts on public health, tourism and fisheries have increased in frequency,

intensity and geographic distribution. Environmental agencies and aquaculture are increasingly forced to invest in improved technologies for monitoring for an increasing number of harmful algal species in water and increasing complexity of algal toxins in seafood. Climate change is calling for increased vigilance in seafood safety.



Open to the general public. Admission is free for members of The Royal Society of Tasmania; \$6 for general admission; \$4 for students, QVMAG Friends and the Launceston Historical Society.

[Meeting Room, Inveresk QVMAG](#)



Gustaaf Hallegraeff is a Professor in Aquatic Botany at the Institute of Marine and Antarctic Studies, University of Tasmania. He has worked on a wide range of Harmful Algal Bloom issues including shellfish toxins, climate change, ship's ballast water and fish-killing algae. He is a Fellow of the Australian Academy of Sciences and Engineering, winner of the 2004 Eureka Prize for Environmental Research and 2014 Lifetime Achievement Award by the International Society for the Study of Harmful Algae.

Generously supported by



Breaking New Ground
Public presentations by
University of Tasmania PhD Candidates

- a **FREE** event, presented as part of National Science Week

Where: Auditorium, QVMAG at Inveresk

When: 1.30 pm Sunday 11 August 2019

Microbiome: The new clinical frontier

Ravichandra Vemuri's project is a collaboration between the UTAS, CSIRO (Brisbane), and UAS labs (a USA probiotic company) With ageing, the gut microbiota develops significant imbalances affecting host metabolism and overall health. Dietary supplementation with probiotics could beneficially change gut microbiota and metabolism. Ravi's project is primarily focused on investigating the influence of probiotics on gut microbiota and metabolic profiles in ageing mice, and potential implications in humans.

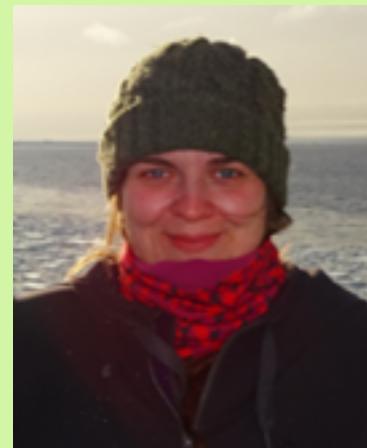


The Socio-Ecology of Wildlife Conservation on Private Land

Matt Taylor is researching the socio-ecology of wildlife conservation on private land. He has interviewed landholders to capture their views about wildlife management, and organised 160 of them into using wildlife cameras and other technologies to collect information. His research aims to empower communities to become involved in scientific enquiry about matters relevant to the management of wildlife on their own land. Matt's study is a partnership between UTAS and the Tasmanian Land Conservancy, where he works as an ecologist.

Changes in the surface waters of the Southeast Pacific and beyond

Rachael Sanders is a PhD student at the British Antarctic Survey and University of Southampton, UK, which has funded a three-month internship at UTAS. Her research focuses on how the surface of the Southern Ocean is changing due to changes in the amount of sea ice and the strength of the winds around Antarctica.



Living long or living well: dilemmas older people face when considering dialysis



Rajesh Raj is a full-time nephrologist at Launceston General Hospital. He is studying the factors which affect the outcome of dialysis for older patients with kidney failure, as not enough is known about the impact of dialysis on quality of life. His research aims to identify information clinicians can use to help the elderly choose treatment options or to improve outcome after they have started therapy.

Generously supported by



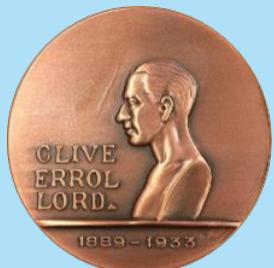
2019 Subscription: For those who haven't done so, don't forget to

**renew your Royal Society of Tasmania subscription for 2019.
(Note: The membership year is a calendar year from 1 Jan - 30 Dec)**

Nominations are Invited for the Clive Lord Memorial Medal and the M. R. Banks Medal for 2019

The Royal Society of Tasmania invites nominations for the Clive Lord Memorial Medal and the M. R. Banks Medal for 2019.

Nominations must be submitted digitally to the Honorary Secretary (royal.society@tmag.tas.gov.au) no later than Thursday 12 September 2019 at 5 pm.



Clive Lord Memorial Medal 2019

Please note that nominations for the 2019 Clive Lord Memorial Medal will be taken for candidates in the **general field of science**.

A science lecturer will be selected to deliver the Clive Lord Memorial Lecture, the recipient being a scholar distinguished for research in Tasmanian Science. A memorial medal will be presented. The recipient will deliver the Clive Lord Memorial Lecture and, if not a member of the Society, will be offered free membership for one year.

- Nominations are sought from members of the Society.
- Nominators are not restricted to members of the Society.
- Self-nominations are not allowed.
- The Honours Committee of The Royal Society of Tasmania also acts as a 'Search Committee', considering names prompted by its own deliberations.

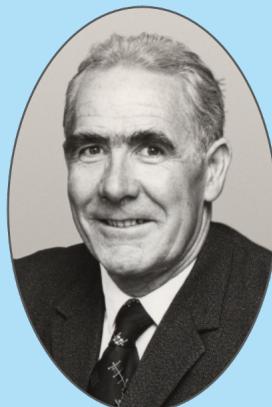
Guidelines for medal nominations are available at:

<https://rst.org.au/guide-for-medal-nominations/>

M. R. Banks Medal 2019

This Award is to honour the contributions of Dr Maxwell R. Banks AM to science and The Royal Society of Tasmania. The conditions of this Award are:

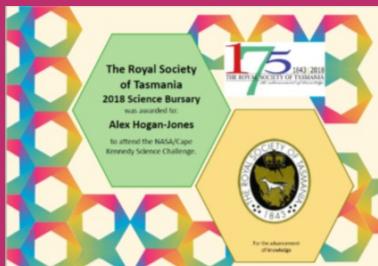
1. The scholar to be recognised must be no more than 45 years of age at the date of the Award and should have achieved a PhD or appropriate higher qualification.
2. The recipient shall be in mid-career, rapidly developing a standing in his/her field and be winning international recognition from peers.
3. The Award may be made in any field within the purview of the Society.
4. The work is to have been largely carried out in Tasmania or under the aegis of a Tasmanian-based organisation.



5. After the conferring of the Award, the recipient may be invited to address the Society by delivering the 'M. R. Banks Lecture' to the members.

Guidelines for medal nominations are available at: <https://rst.org.au/guide-for-medal-nominations/>

Bursaries Available to Tasmanian Students 2019



The Royal Society of Tasmania is offering bursaries for Tasmanian secondary/senior secondary students who have been selected through a competitive process to represent Australia at an international event. The amount of each bursary may be up to \$1000.

What is the Royal Society of Tasmania? The Society has been in active existence since 1843 and we have continued to achieve our aim of 'advancing knowledge' in a wide variety of ways. The bursaries are one way in which we support the youth of Tasmania. More information about the Society's activities is available on our website: <https://rst.org.au>

Who can apply? In 2018, bursaries were offered in the fields of science, mathematics and engineering. In 2019, the bursary program is being broadened to also support students selected through a competitive process for international events in the arts, humanities and social sciences.

What is the closing date? There is no closing date for applications, as applications are considered on a rolling basis throughout the year.

How to apply: Students need to send a written application including:

- a brief descriptor of the international summer school or event they have been selected to attend, including dates and costs
- a copy of the recommendation from the Australian selection event or activity that they were selected to attend
- a concise statement, written by the student, about their goals and aspirations and a short CV (max. two pages)
- the endorsement of a senior staff member of their school.

Note: As the student/staff member may be contacted for interview/further information, please provide contact phone numbers.

Youth ANZAAS 2019: Students accepted for Youth ANZAAS 2019 are also eligible to apply for financial support.

Send applications to: deborah.beswick@education.tas.gov.au

Vision Zero

The Royal Society of Tasmania July Lecture

Garry Bailey (pictured right) is Chair of the Road Safety Advisor Council (RSAC) and his presentation was titled *Vision Zero* – working towards reducing the number of serious casualties associated with road accidents.



The public have a seemingly high tolerance of serious road casualties, with an average of 35 people killed and 260 injured annually in Tasmania. If this incidence of deaths and injuries happened in one place or time, it would no doubt lead to public outcry and demands for something to be done. Garry outlined, in a well-illustrated presentation, how the RSAC is implementing a range of initiatives and systems that underpin the Towards Zero strategy. The program aims to change people's perceptions about speeding and the effects of other driver distractions, such as mobile phones and other handheld devices.

As Chair of the Road Safety Advisory Council, Garry has more than 45 years' experience as a media professional. He held senior management positions with Davies Brothers Pty Ltd, publisher of the leading Tasmanian newspapers, *The Mercury* and the *Sunday Tasmanian*, for 30 years and was editor from November 2001 to January 2012. He has had an enduring interest in road safety, leading a series of campaigns in his time as editor of both newspapers.



Since leaving newspapers, he has been a broadcaster with the ABC, a media and communications consultant, a foundation member of the advisory board for the 26Ten adult literacy organisation, is on the board of the not-for-profit disability service provider Nexus and was an inaugural member of the

Tamar Valley Writers Festival committee.

Following the presentation, President Ross Large AO presented Garry Bailey with a thank-you gift.

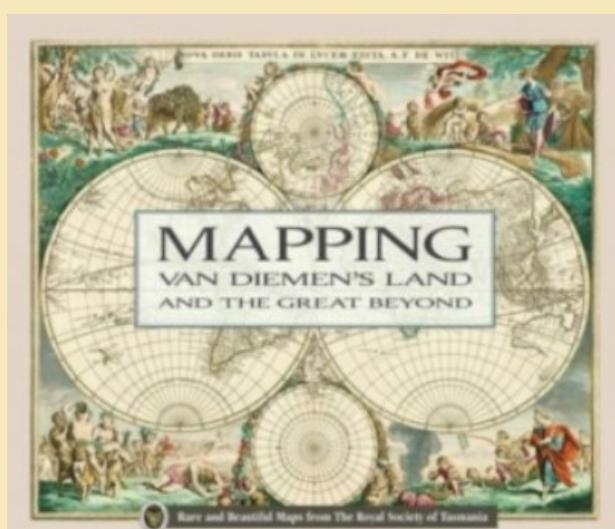


2020 Calendar: Advanced orders coming soon

Recent Royal Society of Tasmania Publications

The first book published in 2018 by The Royal Society of Tasmania to celebrate its 175th Anniversary year was ***Mapping Van Diemen's Land and the Great Beyond***, edited by Lynn Davies, Margaret Davies and Warren Boyles.

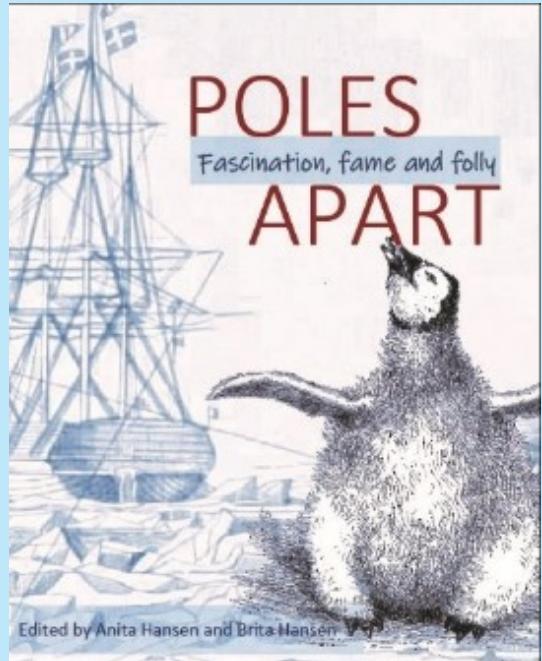
This highly informative volume contains over 100 high resolution images of rare and beautiful maps from the Society's Rare Book Collection with interpretive text from a range of authoritative contributors. This beautiful book is a 'must' for everyone's personal library. Available in hardcover for \$65 or soft cover \$45.



A recent review: "I am thoroughly enjoying *Mapping Van Diemen's Land and the Great Beyond*. What a wonderful treasure trove of maps the Society has had in its collection! It stands to reason having had John Franklin as a Governor and Hobart being 'The Gateway to

the South'. The book is a very high class production." Dr A. Cottee, Wahroonga, NSW

Purchase your copy of 'Mapping Van Diemen's Land and the Great Beyond' now.



The second book published as part of the Society's 175th Anniversary celebrations is *Poles Apart: Fascination, Fame and Folly* edited by Dr Anita Hansen and Dr Brita Hansen and is based on the Society's Rare Books Collection.

The last two frontiers on Earth, the Antarctic and the Arctic, are the stuff of heroes, heartache, courage, mystery, misery, endurance and loss. All these and more are captured in the pages of *Poles Apart: Fascination, Fame and Folly*. This wonderful book lays out, in a series of snapshots, mankind's

incredible persistent battle in both taming and understanding our amazing icy wilderness.

Both hard and soft cover versions are available and can be obtained from the [Society's website](#) and from bookshops. The 1000 hardcover copies are numbered and signed by the editors. The hardcover version is \$75.00 and the soft cover version is \$50.00.

Ensure that a copy of this exciting book finds its way to your bookshelves or give copies as superb gifts!



The Tasmanian Museum and Art Gallery (TMAG) is open Tuesdays to Sundays between 10:00 am and 4:00 pm from 1 April until 24 December.

TMAG is also open from 10:00 am – 4:00 pm on Monday public holidays year-round.

The museum is closed Good Friday, Anzac Day (25 April) and Christmas Day.

[TMAG What's On - calendar of events.](#)

Save the Date

Hobart September Meeting

All welcome: Members and friends are invited to attend at no cost. The September meeting and lecture will be held on **Tuesday 3 September**, **The Peter Smith Medal Lecture** by **Dr Lucia McCallum** at 8 pm at the Royal Society Room, Customs House Building, Dunn Place entrance. Open to the general public.
Dr McCallum is a geodesist at the School of Physical Science, working in the group of radio astronomy. Her field of research is the Very Long Baseline Interferometry technique, using signals from far distant radio galaxies to measure the Earth.

The Northern Branch

This Branch will meet again in August on **Sunday 25 August** at 1.30pm for a presentation by **Her Excellency Professor the Honourable Kate Warner AC, the Governor of Tasmania and Patron of The Royal Society of Tasmania** on ***The History of the Government House garden.***

The 15-hectare Estate, first laid out in the mid-1800s, reflects the formal landscaping of an English country residence. It has undergone many subtle changes while retaining the basics of the original design.

Open to the general public. Admission is free for members of the Royal Society of Tasmania; \$6 for general admission; \$4 for students, QVMAG Friends and the Launceston Historical Society.

[Meeting Room, Inveresk QVMAG](#)



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