

# THE ROYAL SOCIETY OF TASMANIA

## NEWSLETTER



### A Message from the President

Dear Members,

We have received compliments on the new format of the newsletter, and I would like to acknowledge all the work of our volunteer Newsletter Editor, Bernard Pryor OAM, in achieving such an attractive and effective result.

The past month has been very busy as our Council and various Committees progress the many projects we have in hand, including the development of a **Strategic Plan** for the next five years.

In particular, I congratulate Council member Niamh Chapman on her excellent work in leading the production of a video series, *Working on Water*, as part of a collaboration between the Royal Society of Tasmania and *That's What I Call Science* for National Science Week 2020. The videos feature four women involved in marine science in Tasmania, and [you can view these here](#).

Our successful **lecture program** continues via Zoom while COVID-19 room capacity restrictions mean that we are unable to meet in person. Professor Michael Breadmore will present the next Northern Branch lecture via Zoom on Sunday 27 September at 1:30 pm: *Chemical Answers Now – protecting us and our environment*. The registration link will be emailed to members soon. One of our RST Doctoral Award winners for 2019, Dr Indrani Mukherjee will present a lecture via Zoom on Sunday 4 October at 3 pm: *An account of Earth's Middle Ages – Life and Resources*. [You can register here](#).

We hope you can join us for these events, and please extend the invitation to your friends and colleagues.

**Past webinars** are available for viewing on the Royal Society of Tasmania YouTube Channel, which has already attracted over 1300 views. [Click here to view](#).

This month I extend a warm welcome to **new members** Christelle Auguste, Claire Butler, Ross Doddridge, Alice Grieve, Megan Hartog, Mary-Anne Lea and Duyen Tran – we look forward to your participation in Society events. If you know someone who would enjoy the Society's program, do encourage them to join the RST and contribute to our mission of advancing knowledge.

You can keep up-to-date with our various projects via [the Society's website](#).

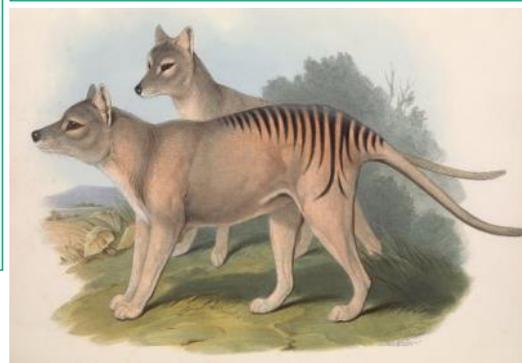
Best wishes,

Mary Koolhof  
President, The Royal Society of Tasmania

## September 2020

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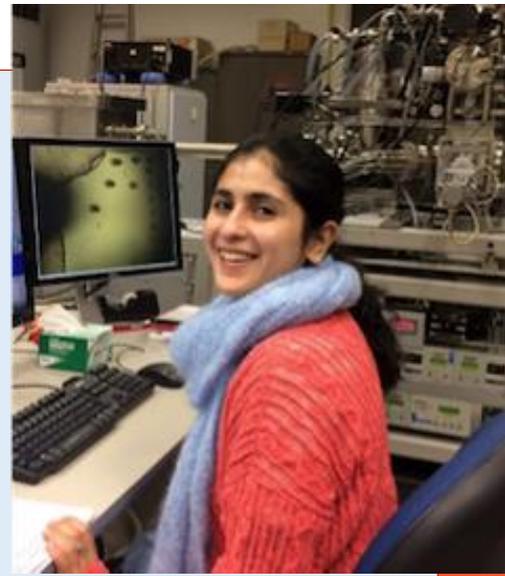


Dear Royal Society of Tasmania members and supporters,

You are invited to a **Zoom webinar** on **4 October 2020 at 3:00 pm.**

## **An account of Earth's Middle Ages – Life and Resources**

**Webinar Speaker:** **Dr Indrani Mukherjee** is a Postdoctoral Researcher in Geochemistry at CODES, University of Tasmania who won an RST Doctoral Award in 2019. She completed her PhD in 2018 from the University of Tasmania under the supervision of Prof Ross Large. Indrani acquired her BSc (Hons) and MSc in Geology degrees from the University of Delhi, India.



**About the presentation:** Indrani's PhD involved understanding pyrite trace element and sulphur isotope geochemistry of Precambrian marine black shales using LA-ICP-MS and SHRIMP-SI techniques. The research focussed on nutrient-productivity cycles in past oceans and atmosphere-ocean redox state in the context of biological evolution in the Proterozoic era. Pyrite chemostratigraphy was also used for assessing mineralisation potential of black shales.

This presentation will expand on the research foundations built over the course of Indrani's PhD targeting both fundamental and applied aspects of geochemistry. The former involves advancing our knowledge of Precambrian atmosphere-ocean dynamics in shaping the course of early evolution. The latter involves utilisation of the geochemical data combined with statistical tools, for applications such as biogenicity tools, predictive modelling, and mineral exploration.

### **Register in advance for this webinar.**

After registering, you will receive a confirmation email containing information about joining the webinar.



### **Tips for joining a Zoom webinar**

#### **This will be my first experience with Zoom. What do I do?**

- A link will be provided so that you can register in advance.
- Once you have registered, you will be emailed a link to view the lecture.
- Click on that link a few minutes before the advertised start time and follow the prompts.

#### **What do I need to participate?**

- You can join from any desktop computer, laptop, tablet or smartphone.
- You do not need to have a Zoom account.
- You can participate in the webinar from anywhere in the world as long as you have an internet connection.

#### **I've participated in small Zoom meetings where you can see and hear each person. Will it be like that?**

- A lecture is a bit different. Attendees will be in 'view only' mode.
- You will be able to see and hear the host, and the speaker and their slides.

#### **Will I be able to ask a question?**

- Yes. At the end of the lecture, type your question using the Q&A button at the bottom of your screen.
- The host will ask the speaker a selection of these questions.
- Verbal questions are not available for this lecture.

#### **What if I am late?**

- If you are late, you can still join the lecture.

#### **Will the lecture be recorded?**

- Yes, the lecture will be recorded. After about a week, it will be available for viewing on the **[RST YouTube channel](#)**.

**More questions?** Find the answers at: **<https://zoom.us>**

**How do I leave the meeting?** The host will close the meeting at the end.



## RST Northern Chapter

invites you to a Zoom webinar on

### Chemical Answers Now: protecting us and our environment

by Professor Michael Breadmore

on 1.30 pm Sunday 27 September 2020

Prof Breadmore is pioneering the development of portable and transportable technology to provide chemical information when and where the sample is collected. Applications include the detection of home-made explosives at airports, the continuous monitoring of nutrients in our rivers, and more recently, whether we can use these to detect viruses.

After public education in Northern Tasmania, Prof Breadmore graduated from the University of Tasmania with BSc (Hons), PhD, DSc. He has made a continued and sustained contribution towards miniaturised analytical technology for clinical, forensic, environmental and food applications at UTAS. He was one of three finalists in the Eureka Outstanding Young Researcher Award (2011); has been listed in the *Analytical Scientist's* powerlist of the top 100 analytical chemists in the world (2014, 2017, 2019); and is the Director of the Australian Centre for Research on Separation Science.

[Click to register in advance for this webinar.](#)

After registering, you will receive a confirmation email containing information about joining the webinar.

Generously supported by



### Northern Branch Committee Who's Who

#### Dr Eric VR Ratcliff OAM, FRANZCP, MBBS

Eric Ratcliff was born in Launceston in 1938, completed secondary education at Launceston High School and graduated MBBS from the University of Queensland in 1964. He qualified as a consultant psychiatrist in 1976 and became a Fellow of the Royal Australian and New Zealand College of Psychiatrists in 1981.

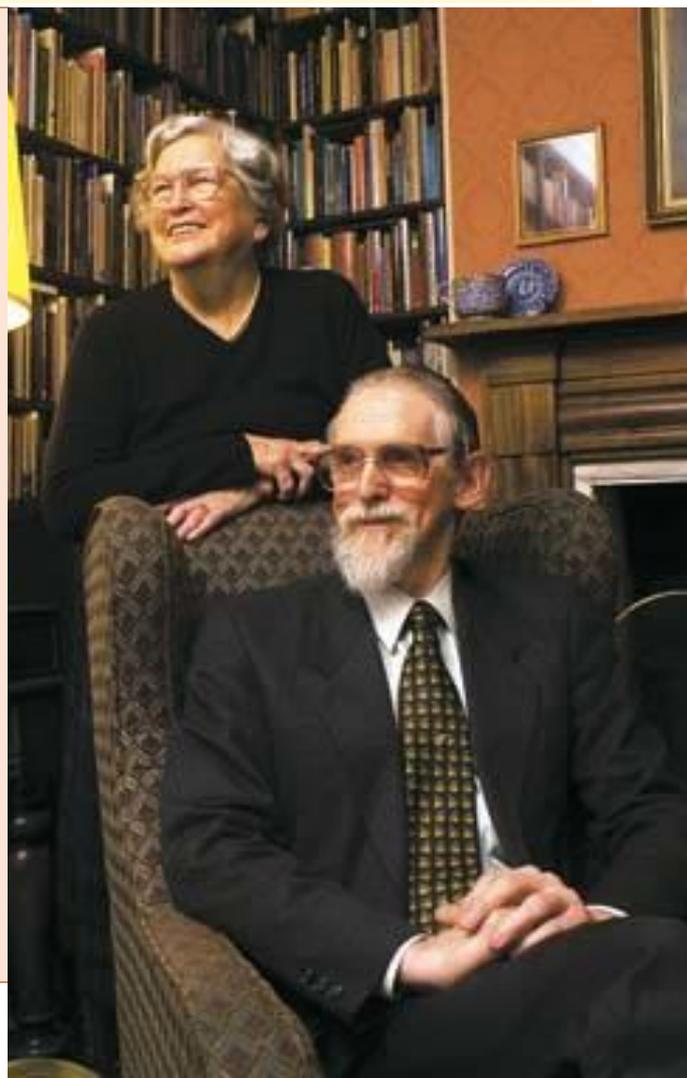
He was a long-serving General Councillor of the College, chaired a number of bi-national committees, and was awarded the College Medal of Honour in 2006. He has served a number of terms as Chair of the Northern Branch of the Royal Society.

In addition to continuing psychiatric and medico-legal practice in Launceston, he is a recognised architectural historian, and has published on aspects of nineteenth century architecture and design in Tasmania and in England and on hospital and medical history in Tasmania.

He was honoured with an OAM in 2004 for services to psychiatry and architectural conservation. He is Northern Branch representative on The Royal Society of Tasmania Foundation.

**Right:** Dr Eric VR Ratcliff OAM, FRANZCP, MBBS pictured with his wife, Patricia, after the Order of Australia ceremony where they each were conferred with an OAM.

Photo courtesy of *The Examiner*.





### Lynette Ross

Lynette Ross was born in 1954 and grew up on the South Island of New Zealand. She moved to Australia in her 20s and, after living in various parts of the country, settled in Tasmania. She undertook a Bachelor of Arts degree majoring in history and archaeology; the latter through the University of New England. Central to her Honours degree in history was a thesis on convict death at Port Arthur which led to a re-interpretation of the Isle of the Dead.

Lynette has a varied career history, including Heritage Officer at the Port Arthur site, as well as research roles and other positions at the University of Tasmania. She has also held the position of coordinator of operations at the historic Saumarez Homestead in NSW and other freelance roles. Her special interest is the history and archaeology of Australia's colonial period.

Lynette volunteers at the Queen Victoria Museum and Art Gallery in Natural Sciences working on special projects. She joined The Royal Society of Tasmania in 2017, and in 2018 she joined the Northern Branch Management Committee.

Currently Lynette is a member of the Branch's Centenary Sub-committee.

Lynette has enjoyed an active life of horseriding, scuba diving, travel, all subjects relating to the past, reading and the natural world. Lynette is now retired but occupied with completing writing projects related to the colonial period. Her history of Launceston's Government Cottage is due to be published in 2020.

**Launceston's Government Cottage** was erected by William Paterson in about 1807 on what is now the south-eastern section of City Park. It served as the official residence in the north and was at times utilised for purposes outside its official function; for example, in 1836 George Arthur approved it as accommodation for the female immigrants from the *Amelia Thompson*; and in 1838, Sir John Franklin lent the premises to the Launceston Horticultural Society for their exhibitions. In 1848, it was rented to the Rev John Yarker, the first of a succession of tenants. Despite attempts to have the building renovated or renewed, Government Cottage remained a rental property until 1885 when it was handed over to the Launceston Municipal Council. The buildings, much dilapidated, were demolished and the land amalgamated into the park. By Lynette Ross, [Companion to Tasmanian History website](#). (Photo courtesy *The Examiner*.)



## Royal Society 2021 Calendar

Featuring 13 watercolours  
by Francis Guillemard Simpkinson de Wesselow

Calendar size: 220 mm high x 297 mm wide

Retail price: \$19.95 plus postage and handling as applicable. Order from our [website](#).

Members of the Royal Society can also order from the website or RST office at the discounted price of \$18.00.

For orders of 10 or more: \$15.00 per copy (plus postage and handling if applicable).

Purchase direct from the Royal Society Office on Wednesday mornings 9:00 to 12:00 noon or email [royal.society@tmag.tas.gov.au](mailto:royal.society@tmag.tas.gov.au) or phone Wednesday mornings on 03 6165 7014.



### While stocks last – 2020 Calendar discounted

2020 Calendar discounted to \$8.50 if purchased directly from the Royal Society Office on Wednesday mornings.

Call in, phone or email. Order by post or from the website for \$12.00 per copy (including postage and handling within Australia).





## Revised Society Office Arrangements

It is now possible to visit the Royal Society office on Wednesday mornings 9:00 am to midday. It is necessary to enter the Custom House building **from the Davey Street entrance and register at the Visitors' desk**. TMAG's Safety Plan requires all visitors' details to be recorded.

Currently, up to three people may be present in the RST office at any one time; however, membership matters and book purchases can still be transacted. **A phone call prior to your visit will help with arrangements.**

**Please phone between the hours of 9:00am – 12 noon on a Wednesday morning on 03 6165 7014.**

### Main contact:

GPO Box 1166  
Hobart TAS 7001  
Email: [royal.society@tmag.tas.gov.au](mailto:royal.society@tmag.tas.gov.au)

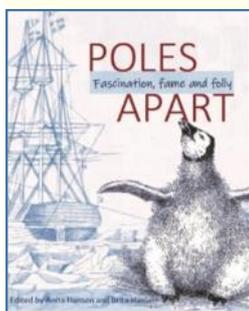
### Northern Branch contact:

Christine Beswick, Secretary:  
0417 330 118  
PO Box 47 Perth TAS 7300

Membership forms and renewals can either be posted to the Post Box (see above) clearly marked 'Royal Society of Tasmania' or completed and emailed to the address above.

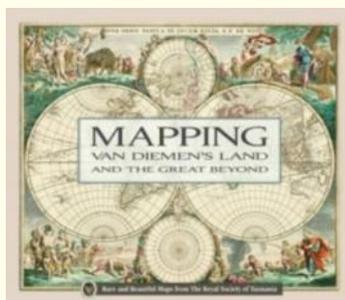
**Book and calendar sales are still available either through the RST shop, on our web page, or by email and phone through the office.**

**10% discount on these books to Members:**



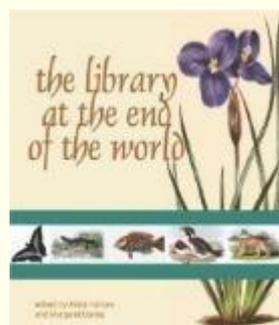
***Poles Apart: Fascination, Fame and Folly***

Hardcover and Softcover



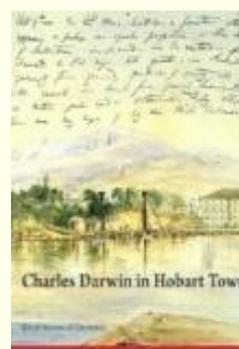
***Mapping Van Diemen's Land and the Great Beyond***

Hardcover and Softcover



***The Library at the End of the World***

Hardcover and Softcover



***Charles Darwin in Hobart***

Softcover



**Calendars**  
2020 edition at right

David Wilson, Honorary Treasurer  
[dwilson.tas@gmail.com](mailto:dwilson.tas@gmail.com)

## Aboriginal Apology Update

The Aboriginal Engagement Committee (AEC) has been continuing in assisting Council in working toward an apology to Tasmanian Aboriginal people. The wording of the apology has received further attention from Council who are working to finalise it in the coming weeks. We have had positive and constructive discussions with senior members of the Tasmanian Museum and Art Gallery (TMAG) regarding their own apology. We are continuing discussions with the plan of offering paired apologies at a shared event.

We will inform members further as details are agreed and finalised by TMAG and RST Council. The AEC has also briefed the incoming members of Council regarding the history of the work of the AEC dating back to 2016 and, especially, the recent consideration of the RST entering into a Reconciliation Action Plan (RAP) or RAP-like arrangement. Council are considering this matter.

Finally, Prof Greg Lehman has stepped down from his role as co-chair of the AEC while remaining an active member. The AEC thanks Greg very much for his insight and co-leadership of the AEC and looks forward to ongoing partnership with him.

Prof Matt King



### The Van Diemen History Prize 2020–21

Entries have now opened for the Forty South Publishing biennial 'Van Diemen History Prize'. Good writing about history can be engaging, insightful, poignant or intriguing, but the underlying research will always be authentic and rigorous. The biennial Van Diemen History Prize fosters quality writing about Tasmanian history for articles aimed at a general audience.

Open to Australian citizens or Australian permanent residents, the prize is for articles up to 3,000 words on any aspect of Tasmanian history prior to the 21<sup>st</sup> century. The winner will receive a cash prize of \$500 and publication in *Forty South* magazine. A selection of the best entries will be published in *The Van Diemen History Anthology 2021*. Entries close **September 21, 2020**.

Entry fee: \$20 per article. [Click for online entry form.](#)

2020 Judges: Professor Stefan Petrow, Associate Professor Kristyn Harman, Paige Gleeson (2018–19 winner) and Chris Champion (Editor, *Forty South Tasmania*).

\* **Please note:** Previously published articles are eligible for entry but must be free of copyright for publication in *Forty South* magazine and the anthology.





## Professor Trevor McDougall AC

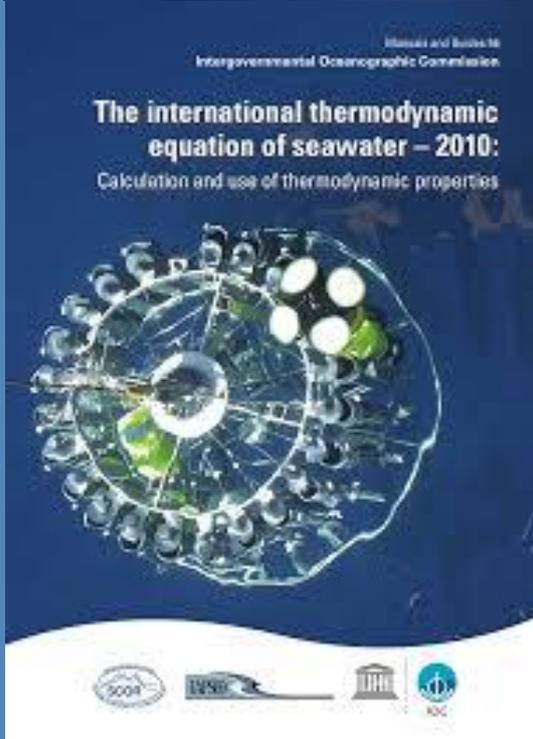
FRS FAA FAGU FInstP FRSN FAMOS (- yes, he really does have that many letters after his name!). Trevor (pictured left) would be well known to many fellow members of The Royal Society of Tasmania. He won the Society's **M R Banks Medal** in 1998 which is awarded every second year to honour outstanding academic achievement by a mid-career scientist.

Trevor followed that up in 2013 by being awarded **The Royal Society of Tasmania Medal** which is awarded every fourth year for substantial original research in the natural sciences. In fact, Trevor is one of Australia's most awarded scientists having won numerous prestigious national and international awards. **A full list can be found here.**

This was capped off by the award of **Companion of the Order of Australia** in 2018 for *eminent service to science, and to education, particularly in the area of ocean thermodynamics, as an academic, and researcher, to furthering the understanding of climate science, and as a mentor of young scientists.*

Trevor is a physical oceanographer who specialises in understanding the processes by which water bodies mix and transfer heat in the oceans. With colleagues at CSIRO in Hobart, where he worked for 30 years rising to the position of CSIRO Fellow, he discovered four new oceanic mixing processes and has pioneered the concept of neutral surfaces along which lateral mixing occurs. Trevor has developed equations for these processes which are now incorporated into complex models that are used to quantify the important role of the oceans in heat flow and hence climate change.

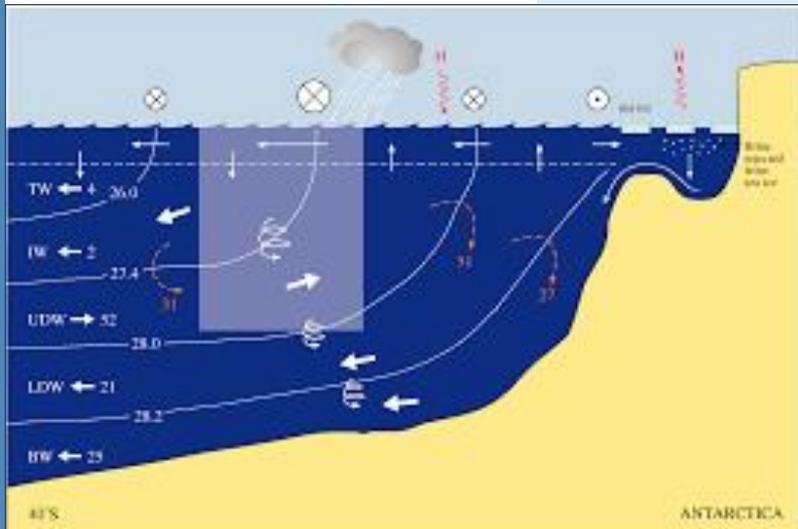
It might appear from all these awards and his election to fellowship of the Australia Academy of Science and Royal Society of London that Trevor's career has been without hiccups but that would be far from the truth. Several of his most important scientific papers were rejected when they were first submitted, which he acknowledges with great pride.



**Trevor tells younger staff that “if you aren't having papers rejected by the top journals, then you aren't trying hard enough”.**

His career at CSIRO was cut short due to reduced government funding for climate science. Along with some other top scientists at CSIRO, Trevor was made redundant, but in his inimitable style he took this in his stride and was promptly employed by the University of New South Wales as Professor (later Scientia Professor) of Ocean Physics in the School of Mathematics and Statistics.

Trevor was able to establish a new research group with funding from a Laureate Professorial Fellowship awarded by the Australian Research Council in 2016 which provided support for five years of research with four postdoctoral fellows, and his research continues to prosper.



Images above supplied by teos-10.org

After attending Unley High School in Adelaide, Trevor graduated from the University of Adelaide in Mechanical Engineering in 1973. He then went to the University of Cambridge to do a Doctor of Philosophy (obtained in 1978) and then (for a change of pace) he went to the Australian National University, where, in his spare time, he undertook a Graduate Diploma in Economics (awarded in 1982).

This educational path may not have happened at all if Trevor followed the dictates of his family who were members of a closed religious sect called the Exclusive Brethren. The sect forbade marrying or having friends with anyone who did not

belong to the sect and also forbade listening to the radio, watching TV or even using a computer. Trevor eventually came to the painful decision that he could no longer remain in the sect even though it meant severing ties with his family and friends. That he could make this choice, at age 21, says an enormous amount about Trevor's determination and sense of values.

Young Trevor (as he is referred to by colleagues) is a strong believer in both a healthy mind and a healthy body. He often rides his bike to work, regularly goes for a jog and he is a keen bushwalker. Most recently he completed the Western Arthurs traverse with friends which he admits was pretty challenging at times. He can be a larrikin and is always happy to play a practical joke. One of his delights is standing on his head (not bad at 67!) - see right.

Trevor's music tastes are eclectic: he particularly likes country music, especially Slim Dusty and Smokie.

Trevor and his wife, Brita, have maintained homes in Sydney and Hobart with constant travel between the two for work and for maintaining family connections. It is rather telling that they chose to return to Hobart just in time to avoid the closure of State borders when the COVID-19 pandemic struck. He continues to write scientific papers and carry out work remotely as well as performing his added duties as the new President of the International Association for the Physical Sciences of the Oceans (IAPSO).



Article by John Volkman

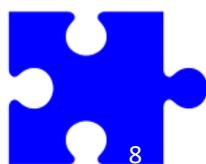
**Left:** Prof Trevor McDougall AC pictured with his wife, Brita, in front of The Royal Society of Tasmania Honour Board after receiving The Royal Society of Tasmania Medal in 2013.

## The Society's Special and Rare Collections

Enjoy some jigsaws created by Heather Excell from the treasures of the UTAS Special and Rare Collections, including a map jigsaw from the Royal Society of Tasmania Map Collection: [Jigsaws](#)

These images represent a very small sample of the cultural and historical records held in the collection.

Explore the collections further through the [online archive](#) and [website](#).



## Access to The Society's Library to comply with COVID-19 restrictions



UNIVERSITY of  
TASMANIA

### The Library is open.

Special & Rare Collections (5th floor, Morris Miller Library at UTAS Sandy Bay campus) including TRST Library is open and asks that all visitors and researchers comply with the following COVID-safe practices:

- Please make appointments via [special.collections@utas.edu.au](mailto:special.collections@utas.edu.au) to assist with managing maximum occupancy requirements.
- Opening hours are 10am to 5pm, Monday to Wednesday, closed for lunch 12:30 – 1:30 pm.
- Maximum occupancy of two visitors at any one time and must be adhered to.
- You are required to maintain the recommended 1.5m physical distance.
- Make sure you have had your temperature checked before entering the Library.
- Temperature checks will be undertaken at the entrance to Morris Miller Library.
- If you are not a staff member or student at UTAS, you will need to sign in on entry to Morris Miller Library to enable contact tracing.
- The Library is providing hand sanitiser, cleaning wipes and carrying out additional cleaning.
- If you are feeling unwell, please do **not** come to the Library.

Library staff will continue answering all email enquiries and can scan and email requests as needed, so if you don't wish to visit the Library in person, there is no need. We will also be quarantining material handled by researchers and other visitors for 72 hours, in line with UTAS Libraries' COVID-safe practice.

Any queries please contact [special.collections@utas.edu.au](mailto:special.collections@utas.edu.au)

**Juliet Beale**, Senior Librarian, Collections  
Library Services | Academic Division  
University of Tasmania



**Above:** Kelly Street, Hobart.  
Photo ourtasmania.com.au

### James Kelly (1791–1859)

James Kelly sealer, pilot and harbourmaster, was born at Parramatta. Apprenticed to Kable & Underwood in 1804, he is believed to be the first white Australian-born child to become a master mariner. After his apprenticeship was completed in 1809, he sailed to India and on several sealing ventures to Macquarie Island and the Bass Strait. In 1814, he was appointed to sail between colonial ports as master of the schooner *Henrietta* owned by TW Birch (1774–1821), a whaler and merchant of Hobart, and later commanded Birch's brig *Sophia*. According to an account he wrote sometime after 1821, Kelly set out in 1815 in a whaleboat on a voyage in which he circum-navigated Van Diemen's Land and 'discovered' Port Davey and Macquarie Harbour.

In 1818, with an armed detachment, he was searching the east coast of Tasmania for escaped convicts; he assisted in transporting convicts in the *Sophia* to the newly-established penal station at Macquarie Harbour in 1821; and in 1825 he helped to set up the secondary penal station on Maria Island. He was appointed pilot and harbourmaster at the Derwent in 1819 and remained in that position until 1829. By then, he was actively engaged in whaling, had an interest in several ships, was extending farming operations on Bruny Island, owned property and built steps at Battery Point and had become a well-to-do identity. He sent two of his sons to Bath Grammar School in England, contributed towards the cost of building the theatre (Royal) in Campbell Street, was elected one of the Derwent and Tamar Fire, Marine and Life Assurance Company's first directors, and became a committeeman of the Anniversary Regatta inaugurated by Sir John Franklin.

In 1818, with an armed detachment, he was searching the east coast of Tasmania

**Below:** Five Bank of Van Diemen's Land cheques written by James Kelly from 1829 to 1840 (plus one by a Humphrey Grey).





**Above:** Gravestone of Elizabeth Kelly and five of her children. Photo ontheconvicttrail.blogspot

Hit by the depression of the 1840s, Kelly was compelled to assign his properties to creditors – and accepted employment from the port authorities once more. Although credited with being the 'father and founder of whaling' in Tasmania, he was unable to re-enter the industry and saw others reap the benefits. He died suddenly in Hobart and was buried in St David's Park. Seven of his ten children predeceased him. He is remembered through Kelly's Steps in Hobart, Kelly Basin at Macquarie Harbour, Kelly Island off Forestier Peninsula and Kelly Point on Bruny Island. His portrait hangs in the Queen Victoria Museum & Art Gallery, Launceston.

<https://sparc.utas.edu.au/index.php/james-kelly-papers>

Kelly, James 1920, 'First discovery of Port Davey and Macquarie Harbour', *Papers & Proceedings of the Royal Society of Tasmania*, pp. 160-181. <https://eprints.utas.edu.au/15826/1/kelly-discovery-davey-1920.pdf>

Pretyman, ER 1971, 'Some notes on the life and times of Captain James Kelly', *Papers and Proceedings of the Royal Society of Tasmania*, vol. 105, pp. 105-112.

[https://eprints.utas.edu.au/13417/1/1971\\_Prettyman\\_Life\\_and\\_times\\_Captain\\_James\\_Kelly.pdf](https://eprints.utas.edu.au/13417/1/1971_Prettyman_Life_and_times_Captain_James_Kelly.pdf)

**Right:** Narrative written and signed by James Kelly entitled "First discovery of Port Davey and Macquarie Harbour by James Kelly".

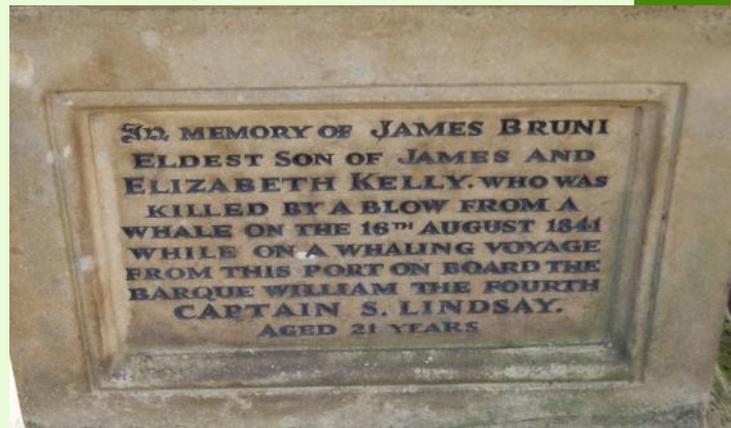
The manuscript is not dated but it was written some years after the events described, certainly after 1821, but probably this version was written for serial publication in the *Hobart Town Courier* in 1854.

It is written neatly in two notebooks composed of account ruled paper (39 x 14 cm) folder in the centre to form a booklet. Another, much briefer, manuscript is in the Mitchell Library and may be from an earlier date.

The narrative, as published in 1854, is obviously written long after the events referred to, shown by such references as Macquarie "the then Governor of New South Wales". There is some doubt about the accuracy of the reminiscences.

But his fortunes turned. In 1834 his ship *Australian* was wrecked and the *Mary and Elizabeth* attacked by Maoris in New Zealand. In 1831, his wife (Elizabeth Griffiths, married 1812) died (- see gravestone left).

Then in 1841, his eldest son, aged 21, was killed while whaling (- see gravestone below right); and his third son was drowned in the Derwent the following year.



## Tasmanian STEM Excellence Awards

Do you know someone excelling in science, technology, engineering or maths?

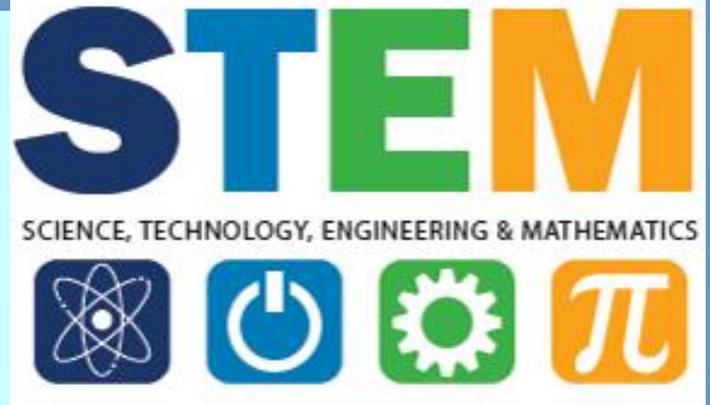
Nominations for the 2020 Tasmanian STEM Excellence Awards are now open.

These awards recognise the achievements and innovations of our leading local scientific practitioners, researchers, teachers and students.

There are six categories and a total prize pool of \$30,000:

- ◆ The Premier's Tasmanian STEM Researcher of the Year
- ◆ Tasmanian Young STEM Researcher of the Year
- ◆ The Minister's Tasmanian STEM Innovation of the Year
- ◆ Tasmanian STEM Teacher of the Year for Primary Years
- ◆ Tasmanian STEM Teacher of the Year for Secondary Years
- ◆ Tasmanian STEM Communicator of the Year.

Nominations can be submitted at [www.stategrowth.tas.gov.au](http://www.stategrowth.tas.gov.au) until 11:59 pm on Friday, 18 September 2020.



## Tasmanian Seashells

The Friends of TMAG invite you to enjoy a recorded lecture on *Tasmanian Seashells* presented by Dr Simon Grove, Senior Curator of Invertebrate Zoology at the Tasmanian Museum and Art Gallery, in conversation with Janine Combes. [Click here.](#)



29  
**The Molluscan Fauna of Tasmania.**  
 By the REV. J. E. TENISON-WOODS, F.L.S., F.G.S., Hon. Member  
 Royal Society, N.S.W., &c., &c., &c.

[Read before the Royal Society of N.S.W., 4 September, 1878.]

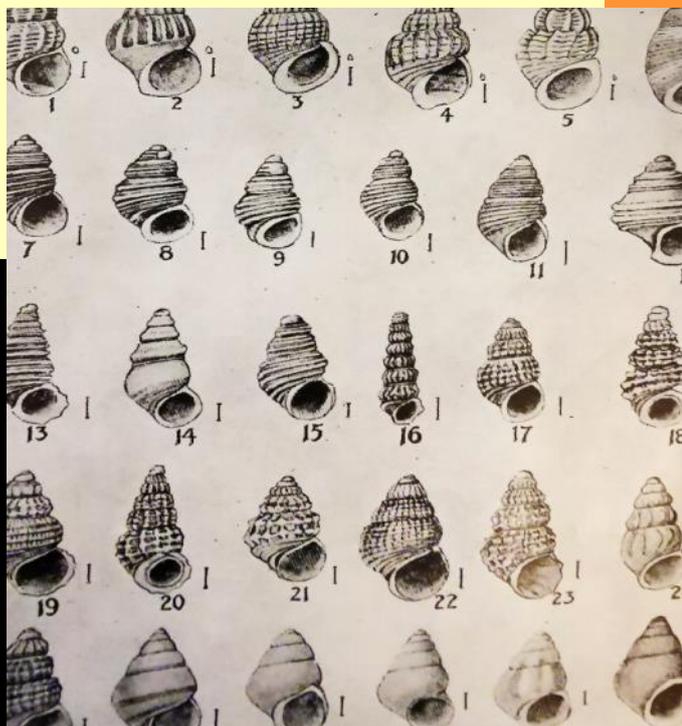
HAVING recently completed a census of the Molluscan Fauna of Tasmania, it will be probably useful if I add some remarks on the nature of that fauna and its geological relations. The time has hardly come when this can be done completely. Dredging operations have not been carried out to any extent, so that the nature of the laminarian zone is little understood. The Molluscan Fauna of Australia is also only very partially known. New South Wales or the east coast is perhaps the best explored, but still far from completely; and as for South Australia and Victoria, our knowledge is extremely imperfect. It will be seen, therefore, that I can only give broad and very general conclusions, such as I think future discoveries will not materially alter.

In order to understand the fauna of Tasmania we must bear in mind first of all the physical character of the island. It is separated from Australia by a wide and deep strait, 90 miles at least at its narrowest part, though that interval is to some extent bridged over by groups and chains of large islands. It is situated in more temperate latitudes than any part of Australia, and on its southern side it is exposed to the full force of the southern ocean, as well as to the influence of much colder seas. The coast is almost without exception bold, precipitous, and rocky, with many islands. There are numerous inlets and bays running up very far into the land and perfectly sheltered, so that tranquil and shallow waters are by no means wanting. The sea, though not a warm one, appears to be very equal in temperature. It is

**Left:** Page 29 from *The Molluscan fauna of Tasmania* by the Rev JE Tenison-Woods FLS, FGS, Hon Member NSW Royal Society.

**Below left:** Photo collage of Tasmanian deep-water molluscs at TMAG taken by Dr Simon Grove.

**Below right:** Illustration from WL May and J Hope MacPherson (1958) *An Illustrated index of Tasmanian shells*, Government Printer, Hobart.





## Tasmanian Museum and Art Gallery

Now open Tuesday to Sunday, 10:00 am – 4:00 pm.

One important change is that whilst admission to TMAG remains free, all visitors are now required to make a free online booking via the TMAG website. Visitors can book

an untimed ticket that is redeemable at any time during TMAG’s opening hours on the booking date, pending overall site capacity. [For more information and to book, please click this link.](#)

The reopening of TMAG includes the Museum Shop. Due to the COVID-19 pandemic and restrictions, the Courtyard Café licensee has made a business decision not to reopen until September.

TMAG has enjoyed being able to welcome and connect with visitors virtually during its closure period, and will continue to offer a range of online activities, resources and programs for visitors to enjoy as part of the [TMAG from Home](#) initiative that is available from the TMAG website.

Visitors will be excited to learn about a new exhibition that is available to explore, [Exquisite Habits](#), featuring the botanic art of Tasmanian artist Stephanie Dean.

The evocative [This Too Shall Pass](#) exhibition which features portraiture and still-life works from TMAG’s collection also remains on display. In addition, TMAG’s major exhibition [West: Out on the Edge](#) has been extended and is now on show until 18 October 2020, giving the public more chances to explore Tasmania's unique West through this captivating multi-disciplinary exhibition.



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