



The Tasmanian Geologist

April 2022

Meetings in 2022: put them in your diary

Saturday 30th of April: AIG Autumn field trip to Cygnet

Sunday 15th of May Joint meeting with the Royal Society of Tasmania: 'Geology, landscape and European settlement: small things meant a lot.' about the geological controls on the development of Hobart Dr Tony Webster

23rd of June AGM and Tsunami Hazards in Tasmania Claire Kain

August: 14th- Launceston Joint Meeting with the RST N Branch, Dr. Peter McGoldrick 'Tasmania's oldest fossil'



Australian Society of
Exploration Geophysicists



NEXT MEETING:
Joint meeting with ASEG

Thursday 28th

April

6:00 PM

Speaker

John Bishop

**Getting warmer: The search
for geothermal resources in
Tasmania**

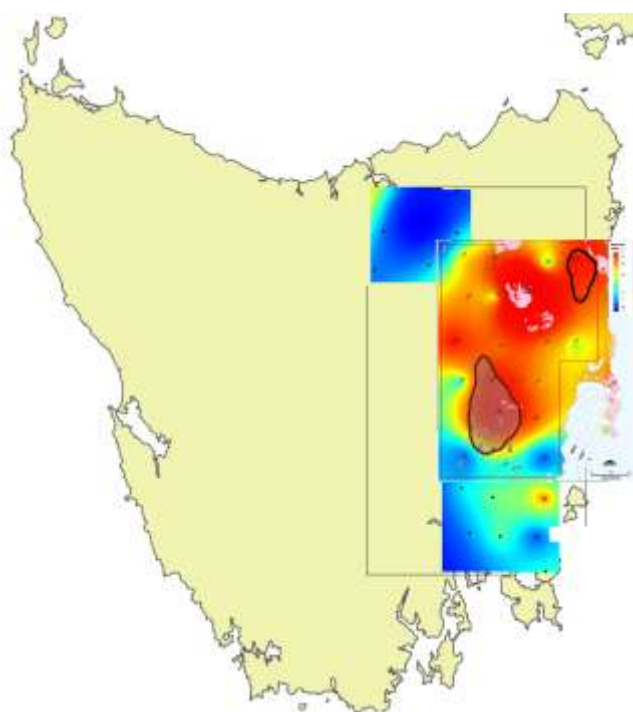
Geology Lecture Theatre,
University of Tasmania

Join us for nibbles from 5:30 onwards

NEXT MEETING:

John Bishop will present ‘Getting warmer: The search for geothermal resources in Tasmania’ in a joint meeting of Tas Div GSA and the local ASEG. For the ASEG this will be the first talk in their series of seminars/webinars on Energy Transition.

Geothermal power plants provide emission-free, baseload or load-following electricity 24/7 from the smallest footprint of all generators.



Two large, code-compliant inferred geothermal resources have been defined in Tasmania, encompassing some of Australia's highest recorded heat flows. A suite of geophysical surveys suggests that one has zones of high permeability, making it akin to a conventional hydrothermal play, albeit a non-volcanic one.

Recent developments in mineral extraction from geothermal brines add to the potential utility of the resources.



Dr John Bishop

Dr John Bishop has practiced as a geophysicist for several decades. He has founded and co-founded a number of private and public companies, including Mitre Geophysics which advises mineral exploration, energy and engineering industries and KUTh Energy which discovered and defined two large (inferred) geothermal resources in Tasmania. John is the author or co-author of more than thirty peer-reviewed papers. John's most recent venture is Spa*ark Energy.

Register in ADVANCE for this meeting if you want to watch this via livestream

[Webinar Registration - Zoom](#)

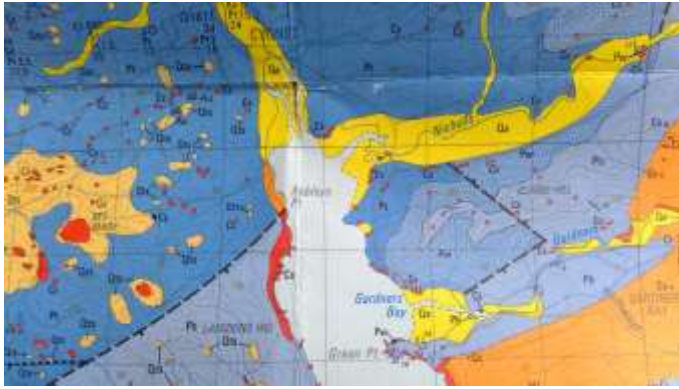


Field Trip Autumn Saturday, 30th April 2021

Members are invited to participate in the AIG autumn field trip for 2022 exploring the varied geology and mining history of the Cygnet area

If you wish to attend please register via tas@aig.org.au. There will be bus transport and a limit of 20 people so register early.

Leaders Tony Webster and John Bishop.



Extract from Kingborough 1:50000 Geological Map
Geological Survey of Tasmania



Photo of the foreshore south of Cygnet (from AESC2021
virtual field trips <https://www.gsatasmania.org/>)

Training in communications

Take advantage of the offer to GSA members-only to Geologize's critically acclaimed course Practical Geocommunication for 2022 for free! Geologize is a global leader in providing training to geoscientists who wish to communicate more effectively with their audience.

Geologize teaches geoscientists to bring the public to a greater understanding and appreciation of our planet through effective and powerful communication.

When you complete *Practical Geocommunication*, you will receive an accredited CPD-valid certificate.

"Passion. Education. Sustainability. We believe that if people understand how the planet works, they will appreciate and care about it more. Geologize seeks to create and facilitate the creation of tangible and emotional connections between the general public and the world in which they live." Haydon Mort, Geologize.

Contact the GSA: info@gsa.org.au to get your code to this GSA-funded initiative (see flyer at the end of the Newsletter)

Renew your GSA Membership for 2022

[Renew your membership here](#)

Any queries about your membership contact Tim Holland at GSA tim.holland@gsa.org.au or our local membership officer Rebecca Carey (Rebecca.Carey@utas.edu.au)

STUDENTS

After mid semester break many of you will be getting your teeth into the final half of semester 1. We hope you are progressing well and enjoying your Earth Science subjects.

Honours, Masters or PhD students



We hope that you have taken the opportunity to apply for the **\$1000 grants** available for at least one Honours or Masters students in Tasmania in 2022 and the one national grant up to **\$5000** available for PhD students. Applications close on the 29th of April so HURRY!

[Endowment Fund details available here](#)

Olivia Wilson won this scholarship which helped her with her Honours in 2020. Despite the lockdowns of that year, she eventually managed to get into the field to spend her money. Olivia is now employed by Entura in Hobart. She was an

undergraduate member of the GSA and here is her testament to how it can be helpful for your future.

‘Being a student member of the Geological Society of Australia enriched my experience of studying geology. Especially important to me were the opportunities to make connections and learn about the research of other society members. As a student, it is also invaluable to have an environment in which you can interact with geoscientists from all career stages – hearing their experiences allows you to develop your own career aspirations. GSA membership also demonstrates that you have a level of passion and commitment to your field beyond the compulsory courses in your degree, helping your resume stand out as you transition to professional life.’



Olivia Wilson (supplied by O. Wilson)

You can become a member here <https://www.gsa.org.au/>

Remember it's Time to Renew your GSA Membership

Any queries about your membership contact our membership officer Rebecca Carey (Rebecca.Carey@utas.edu.au).

Undergraduate Student Members
Special price on the
Geological Evolution of Tasmania!

Become a GSA Member and you can
obtain ‘The Geological Evolution of
Tasmania’ for \$75 including GST.

[Students Join Here](#)

Once you are complete your membership please contact Caroline Mordant for your special price book. See details below



The flagship publication of the Tasmanian Division of the GSA, ‘The Geological Evolution of Tasmania’ (Special Publication 24 of the GSA) is available for ordering. All details are available on a specific part of the Utas CODES web site: http://www.utas.edu.au/_data/assets/pdf_file/0003/55313/Flyer_Order.pdf

Copies of the book can be obtained personally from Caroline Mordant (publications@CODES.utas.edu.au or phone on +61 3 6226 7537).

Members Price is A\$90 + GST + postage where appropriate. Undergraduate student price is \$75. Postage can be avoided by buying in person from Caroline Mordant in Earth Sciences (University of Tasmania). The book is also available at Fullers Bookshop and at TMAG in Hobart, and in the Devonport Bookshop, Devonport. Prices at these sites may vary from GSA prices, and the member price is not available at these sites either.

Other Meetings

CODES Fundamentals of Economic Geology Shortcourse available online. Although the first week has been delivered week 2 is between the 2-6 May See https://www.utas.edu.au/data/assets/pdf_file/0006/1574034/Fundamentals-SC-2022-FINAL-v2-sm.pdf

Other CODES Shortcourse dates available at <https://www.utas.edu.au/codes>

September date TBA One day online AIG Workshop 'The Project Geologists Toolkit' For more information contact Jane Capp jane@omipl.com.au

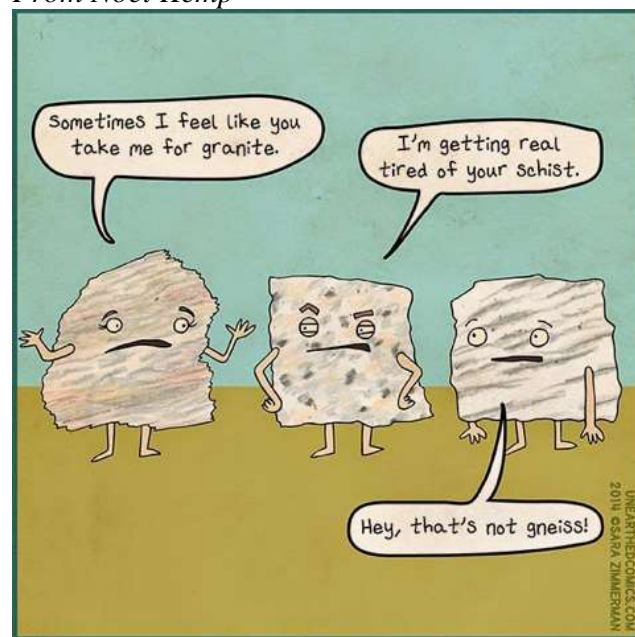
Some interesting geology



Columnar cooling joints showing a herringbone structure. Did they propagate from an internal fracture in the basalt? Basalt Quarry at Brighton. Image provided by Ralph Bottrill.

Final Words

From Noel Kemp



GSA Tasmania Division Committee

Chair: Dr Karin Orth

Vice Chair: Dr Matthew Ferguson

Secretary: Grace Cumming

Grace.Cumming@stategrowth.tas.gov.au

Treasurer: Dr Andrew McNeill

Committee Members:

Sheree Armistead

Rebecca Carey (Membership)

Acacia Clark (Student Rep)

Jacqueline Halpin

Claire Kain (Geotourism)

Peter McGoldrick

Sebastien Meffre

Indrani Mukherjee (IED)

Phil Sansom (Education)

Geological Society of Australia website:

www.gsa.org

and our own website

<http://www.gsatasmania.org>

Any news, announcements or interesting photographs of Tasmanian Geology you would like to include in the next Newsletter, please send it through via email to karin.orth@utas.edu.au prior to the 6th of May 2022

GEOLOGIZE

NOW FREE FOR GSA MEMBERS

Do you want to strengthen your geoscience communication skills? Maybe you want to educate a non-specialist audience about why geoscience is important.

*If you do, take advantage of the GSA members-only license to Geologize's critically acclaimed course **Practical Geocommunication** for 2022 for **FREE!***

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*When you complete **Practical Geocommunication**, you will receive an accredited CPD-valid certificate.*

What do you need to do next?

Contact the GSA: info@gsa.org.au to get your code to this GSA-funded initiative.

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