



BEAKER STREET FESTIVAL

Science and Art
lutruwita / Tasmania
5-14 August 2022
beakerstreet.com.au





Beaker Street Festival, the annual celebration of science and art in lutruwita/Tasmania, is back! Join us for a ten-day extravaganza packed with some of the most engaging scientists, compelling ideas, and innovative artworks covering nearly every corner of our beguiling island.

From the Festival Hub at the Tasmanian Museum and Art Gallery to small-group talks and dinners with scientists on the Tassie Science Road Trip to our Dark Sky Party at Spring Bay Mill, Beaker Street Festival invites you to explore Tasmania as you've never seen it before.

Some offerings are free, some are ticketed, and all are informed by the best available science around keeping people safe from disease, boredom, and misinformation. Please take note of entry requirements, and make sure to check out the full program — there's a lot going on, and we don't want you to miss any of it.

SOUTHERN REGION (page 3-8)

- Festival Hub at Tasmanian Museum and Art Gallery (TMAG)
- Beaker Street Crawl around Hobart
- Dr Karl at the Odeon Theatre
- Request Programme performances at Detached Gallery
- Excursions and workshops

NORTHERN REGION (page 9 & 10)

- Ferment Stations at Harvest Market
- *Homecoming* exhibition at Franklin House
- Scientific talk and dinner with Dr Karl at Lemonthyme Wilderness Lodge
- Scientific talk at Peppers Silo Hotel + drinks and dinner with Dr Karl
- Celestial Navigation at QVMAG Planetarium
- Science of Sparkling at Josef Chromy
- Science of the Stadium at UTAS Stadium

EAST COAST (page 11 & 12)

- Dark Sky Dinner
- NOCTURNA

SOUTHERN REGION

Festival Hub - Tasmanian Museum and Art Gallery (TMAG)

The Beaker Street Festival Hub at TMAG is a pop-up science bar, a parlour of curiosities, an inn for inquiring minds. Here at the bustling Festival centre, you'll find live music, zoological oddities, photographic inspiration, amiable wandering scientists, seriously good food and drink, and such a bounty of distractions, you may forget to go home.

Entry to the Festival Hub is free from 6 pm to midnight on August 5th and 6th.

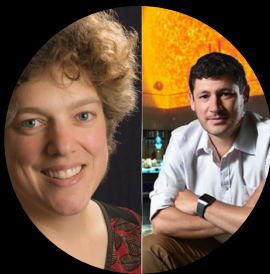
All Main Stage presentations are ticketed. Under-18s must be accompanied by an adult.

Friday 5 August 2022 - Main Stage Presentations (ticketed)

6:20 pm - WELCOME TO COUNTRY with Janice Ross and Nathan Pitchford

6:30 pm - Prof Barbara Holland - You're probably bad at thinking about probabilities.

People are notoriously bad at reasoning about uncertainty. This talk will give a primer on conditional probability.



with Auslan

6:55 pm - Dr David Flanery - The search for life on Mars. Humanity has long wondered about the possibility of life beyond Earth. Hear from leading astrobiologist David Flannery on NASA's Perseverance Rover Mission and his search for life on Mars.

TICKETS: www.beakerstreet.com.au/barbara-and-david

7:40 pm - Is Science Really for Everyone? In this panel discussion, we'll hear directly from members of the Tasmanian Aboriginal community, one of the oldest continuous cultures in the world, about how the limitations of the Western scientific tradition often delegitimise, exploit, and exclude Indigenous knowledge, leaving a gaping hole where some of the longest held human knowledge doesn't register. With Nunami Sculthorpe-Green, Theresa Sainty, and Zoe Rimmer.



with Auslan

TICKETS: www.beakerstreet.com.au/everyone

8:50 pm - PowerPoint Karaoke! Contestants take to the stage to convincingly present a deck of randomly assorted PowerPoint slides they have never seen before, giving a "talk" on a topic chosen by the audience.



with Auslan

TICKETS: www.beakerstreet.com.au/karaoke

SOUTHERN REGION

Festival Hub - Tasmanian Museum and Art Gallery (TMAG)

Saturday 6 August 2022 - Main Stage Presentations (ticketed)



with Auslan

5:30 pm - Unheard Of. Learn from a panel of Deaf people, lived experts in non-verbal communication, about the incredible richness of Deaf culture, sign language, and all that goes unnoticed when the sound is on. With Diana Hodgetts, Amy Blake, and Jeanette Symonds.

TICKETS: www.beakerstreet.com.au/unheard-of



with Auslan

6:40 pm - Craig Reucassel in Conversation. Mibu Fischer and Niamh Chapman from *That's What I Call Science* chat with Craig Reucassel about environmentalism, the politics of climate, and using humour to spark change.

TICKETS: www.beakerstreet.com.au/craig-reucassel



with Auslan

7:50 pm - Ingrid Martin with musicians from the TSO - Conducting an experiment. Discover how conductors attempt to understand the wishes of composers (dead or alive!), translate them into body language and lead a group of other musicians they just met to work as a team to bring the music to life. Enjoy a live demonstration with a small ensemble from the Tasmanian Symphony Orchestra.

TICKETS: www.beakerstreet.com.au/conducting



with Auslan

9:00 pm - Debate- Your keep cup won't save you! See six heavy-hitters go head-to-head in the annual Beaker Street Festival debate. Be entertained, persuaded, and enthralled by a battle of brains and bravado! With team captains Professor Barbara Holland and Craig Reucassel, and chaired by Science Friction's Natasha Mitchell, this year's debate is set to be a Festival favourite.

TICKETS: www.beakerstreet.com.au/debate-2022

SOUTHERN REGION

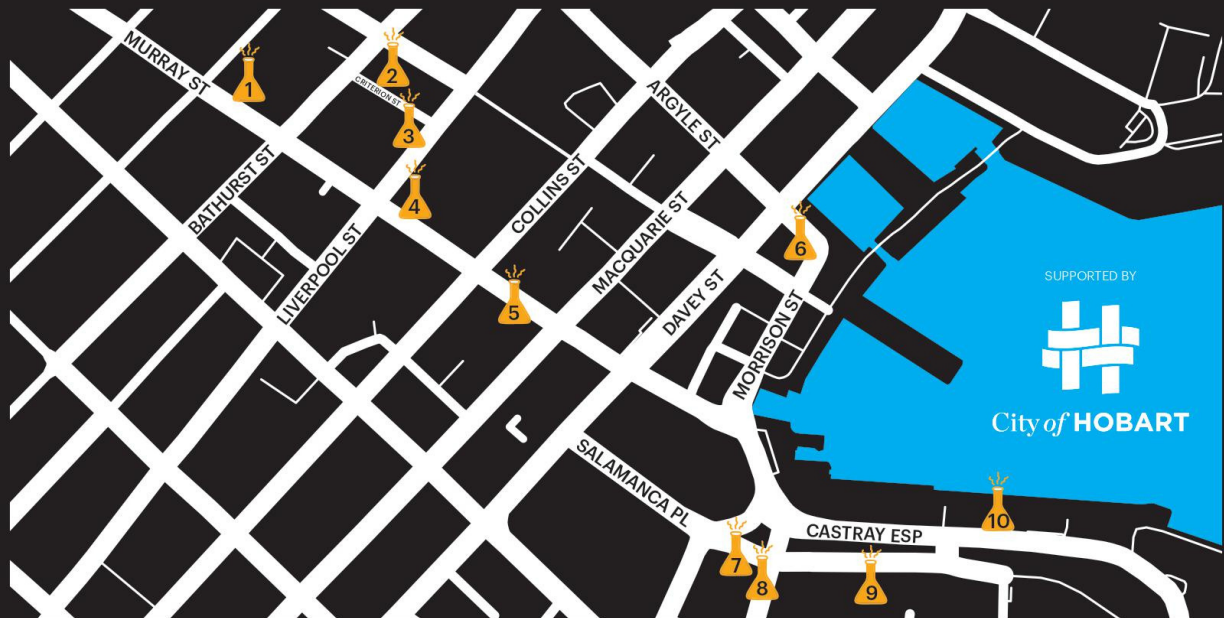
SATURDAY 6TH AUGUST

BEAKER STREET CRAWL

Discover Hobart through the lens of science with this free self-guided tour around the city—visiting some of our best makers, thinkers, producers, and sellers.



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Full program & tickets:
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1. Glow Show

Level 1, 71 Murray St
10am–1pm 2pm–5:30pm

2. New Wines!

Cool Wine
MidCity Arcade
Criterion St
12–4 pm

3. There Shall Be FIRE

Metal Urges Fine Jewellery
& Diamonds
3/105 Liverpool St
10am–2pm

4. Water[shed]

Bett Gallery
Level 1, 65 Murray St
10am–1pm

**5. Colouring Connections:
the Wonders of Tree
Communication**

Hadley's Art Prize galleries
Hadley's Orient Hotel
34 Murray St
10am–4pm

6. The Home of the Blizzard

Mawson's Huts Replica
Museum
Cnr Morrison St
& Argyle St
3pm–6pm

7. The World of Bees

Beauty & the Bees
Galleria Salamanca
31–33 Salamanca Place
1pm–3pm

8. Threatened Species Project

Wild Island
33 Salamanca Place
10am–2pm

**9. Some Silken Moment
Jessie French**

Salamanca Arts Centre
77 Salamanca Place
10am–2pm

10. Spotlight on Red Handfish

Institute for Marine and
Antarctic Studies (IMAS)
20 Castray Esplanade
10am–2pm

See next page for details

SOUTHERN REGION

BEAKER STREET CRAWL SATURDAY 6TH AUGUST



1. Glow Show

Tassie's wildest side glows in the dark: the aurora, sea sparkles, glowworms, ghost mushrooms, even fluorescent marsupials! Drop into the Glow Show with Dr Lisa-Ann Gershwin for captivating stories and mesmerising imagery. And if your hair is blond or grey, you might just discover that you are fluorescent too!



2. New Wines!

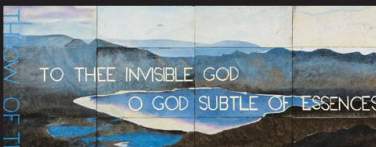
'Natural wines' and 'Pet Nats' have turned traditional wine making styles on their heads. Find out why—and discover the science behind them. Try excellent examples of both 'new' and classic 'old school' styles.

Note: 18+ event



3. There Shall Be FIRE

Meet the pyromaniacs at Metal Urges Fine Jewellery & Diamonds and see some seriously bright action on a short workshop walk through.



4. Water[shed]

Join us at Water[shed] at Bett Gallery for a chat about the nitty gritty details of what it would really mean to restore Lake Pedder. The exhibition Water[shed] marks the 50 years since the flooding of Lake Pedder. 50 artists / 50 years. Featuring leading Australian and international artists, including NY's Guerrilla Girls and Joan Baez.



5. Colouring Connections: the Wonders of Tree Communication

Come and see the Hadley's Art Prize landscape artworks and join a collective colouring-in project to represent the intricate but often invisible connections between trees. While you colour, Dr Penny Jones will describe the fascinating ways trees communicate beneath the soil.

Talk by scientist Dr Penny Jones at 3pm.



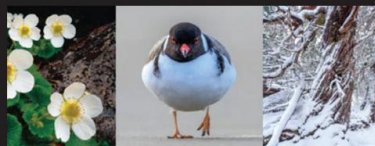
6. The Home of the Blizzard

Come tour the home of Australia's first Antarctic scientists, and have a chat with the first woman to winter over at the historic site. See if you think you have what it takes to live in constant darkness at Cape Denison—the windiest place at sea level on earth!



7. The World of Bees

Find out what the buzz is about bees from a beekeeper and a Beaker Street Roving Scientist. Take home samples of Beauty & The Bees products that are based on Tasmanian Leatherwood honey & beeswax.



8. Threatened Species Project

Tasmania's Threatened Species List comprises 683 species of plants and animals, including insects and other invertebrates. This new exhibition will expand our understanding of the range and diversity of these species and their plight. Come and chat with

the artists and scientists working with Tasmania's most threatened species, surrounded by prints of the local flora and fauna.



9. Some Silken Moment | Jessie French

What is our future made of? In *Some Silken Moment*, Jessie French explores the promise of algae-based bioplastic, creating innovative objects that are elegant, ephemeral, and oceanic. By harnessing this shape-shifting material, French captures a world in a phase of transition, where the permanence of petrochemicals plastics is reimagined through the soft strength of ecological thinking. The exhibit will remain on display until Sunday 4 September.



10. Spotlight on Red Handfish

The critically endangered Red handfish is found only in Tasmania, in two small patches of rocky reef in Fredrick Henry Bay, southeast of Hobart. Scientists estimate there are just 100 individuals left in the wild.

In a new exhibition at IMAS, you'll discover more about this quirky fish and how the Handfish Conservation Project team is working with citizen scientists and others to save it.



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SOUTHERN REGION

Odeon Theatre - Hobart

6 August 2022, 3:00 pm - 5:00 pm



with Auslan

Dr Karl Live at the Odeon - Laugh your way through critical thinking with Dr Karl and finish off with four messages of good hope. Plus, a Q&A and plenty of opportunity to chat with Dr Karl at the bar afterwards. Oh, and a marching band to make sure you don't get lost on your way to the bar.

TICKETS: www.beakerstreet.com.au/dr-karl

Detached Gallery- Hobart

5, 6, 12, 13 August 2022, 7:00 pm

7, 14 August 2022, 4:00pm



Jane Longhurst - Request Programme - This silent monologue is a portrait of loneliness, arguably more relevant and devastating today than fifty years ago when the play was written. Within the intimate setting of Detached Gallery, you are invited to experience this silent meditation, this performance of a show that has been described by The New York Times as a 'living centre of an installation,' and 'devastating, heart-wrenching, extraordinary.' Performed by Jane Longhurst, Directed by Robert Jarman, and Written by Franz Xaver Kroetz.

TICKETS: www.beakerstreet.com.au/request-programme.

SOUTHERN REGION

Excursions and workshops - Sunday 7 August



9:30 am -Giant Forest Science Tahune Excursion - Led by guide Yoav Daniel Bar-Ness of Giant Tree Expeditions, this excursion takes you amongst Tasmania's ultra-sized Eucalyptus forests. Spend the day exploring field ecology and forest dynamics in one of Earth's most spectacular laboratories at Tahune Adventures.

TICKETS: www.beakerstreet.com.au/tahune-excursion



12:30 pm - In Darwin's Footsteps - Join Walk on kunanyi for a series of short leisurely walks that follow in the footsteps of Charles Darwin's climb up Hobart's glorious kunanyi/Mount Wellington.

TICKETS: www.beakerstreet.com.au/in-darwins-footsteps



1:00 pm - Science and Storytelling at the Zinc Works - Join legendary storytellers Jackie Kerin and Young Dawkins at Nyrstar zinc works. Perched on the edge of the Derwent River, you'll learn about the journey of zinc and the migratory birds that associate with the Derwent.

TICKETS: www.beakerstreet.com.au/nyrstar



3:00 pm - Who Brew? Moo Brew - Join Moo Brew head brewer Jack Viney at Hadley's Orient Hotel for an insight into the science of fermentation and the importance of yeast in the brewery.

TICKETS: www.beakerstreet.com.au/who-brew-moo-brew



5:00 pm - Dinner, Whisky and Stars - Join us at McHenry Distillery and Observatory for a glorious evening of stargazing, telescopes, whisky, and a 3-course chef-prepared meal, while learning about the night sky. Hear from guest speakers astronomer Dr Martin George and Dark Sky Tasmania president Landon Bannister.

TICKETS: www.beakerstreet.com.au/dinner-whisky-stars



8:00 pm - WURANGKILI LIWARI -Night Sky Stargazing on Kunanyi - Join Walk on kunanyi and Theresa Sainty at the Springs on kunanyi/Mt Wellington for an evening walk centred around our southern stars and Aboriginal astronomy .

TICKETS: www.beakerstreet.com.au/stargazin-on-kunanyi

NORTHERN REGION

Saturday 6 August, Harvest Market - Free Event



9:00 am - 12:00pm - Ferment Stations - Bring your own jar and head on down to a special fermentation-focussed Harvest Market. Follow the journey of lactic acid bacteria as you create your own sauerkraut through a self-guided tour of Ferment Stations.

INFORMATION: www.beakerstreet.com.au/ferment-stations

Saturday 6 & Sunday 7 August, Franklin House



12:00 pm - Homecoming - This exhibition by tech/art collective Soma Lumia and award winning jeweller Samantha Dennis explores the concept and repercussions of these societies through an immersive, site-responsive installation.

INFORMATION: www.beakerstreet.com.au/homecoming

Monday 8 August, Lemonthyme Lodge - Cradle Mountain



5:00 pm - Tasmania's surprising mountain plants - Professor Greg Jordan will give a talk about Tasmania's distinct and surprising mountain plants, and how they relate to climate. Keep the conversation going after the talk, and join Greg and Dr Karl for drinks and a 3-course dinner at Lemonthyme's Whispering Woods Restaurant

TICKETS: www.beakerstreet.com.au/cradle-mountain

Tuesday 9 & Wednesday 10 August, Peppers Silo Hotel Launceston



5:30 pm - How do you put a dollar value on nature? - Spend the evening with Professor Darla Hatton MacDonald! Hear about her work on natural resource valuation, looking into issues in forestry and marine environments, then stick around afterwards for a drink and a chat with Darla and Dr Karl. The following evening, join Darla and Dr Karl for a Chef's Tasting Menu dinner at Grain of the Silos Restaurant.

TICKETS: www.beakerstreet.com.au/darlahattonmacdonald

NORTHERN REGION

Friday 12 August, Queen Victoria Museum and Art Gallery



6:00 pm - Celestial Navigation @ QVMAG - An evening under the stars in the Launceston Planetarium. Hear from celestial navigator Jeremy Parker and astronomer Chris Arkless as they discuss how the stars have assisted voyagers throughout time.

TICKETS: www.beakerstreet.com.au/celestial-navigation

Sunday 14 August, Josef Chromy Winery



11:00 am - Science of Sparkling - Go behind the scenes and tour the Josef Chromy winery and learn how traditional method Sparkling wine is made.

TICKETS: www.beakerstreet.com.au/josef-chromy

Sunday 14 August, UTAS Stadium



2:00 pm - Science of the Stadium - Join us at the Hawthorn Football Club at UTAS Stadium for an insider's look into what happens at the oval. Hear from Tasmanian manager of the Hawthorn Football club David Cox, sports scientist Casey Mainsbridge, and the team behind the stadium, on the science behind creating one of the best grounds in Australia.

TICKETS: www.beakerstreet.com.au/science-of-the-stadium

EAST COAST

NOCTURNA Weekend

Friday 12 August, Spring Bay Mill



Dark Sky Dinner, 6pm - Join us in the award-winning Banksia Room at Spring Bay Mill for a three-course, candle-lit dinner. Enjoy beautiful East Coast hospitality with local food and drink in an intimate setting. We'll hear from two of Australia's most prominent marine ecologists, Professor Philip Boyd and Professor Catriona Hurd, about their work on the ocean ecosystems off Tassie's East Coast.

TICKETS: www.beakerstreet.com.au/dark-sky-dinner

Saturday 13 & Sunday 14 August, Spring Bay Mill



NOCTURNA, from 3pm. The Beaker Street Festival finale, NOCTURNA combines intriguing scientific talks with ample live music, hands-on workshops, East Coast food and drink, and plenty of wonderful people to share in the merriment. Featuring Krystal Di Napoli on Aboriginal astronomy, stargazing and telescopes with the Astronomical Society of Tasmania, fascinating Dark Sky talks, an immersive new work by Soma Lumia inside a bar inside a bunker, harpist Emily Sanzaro, East Coast food and drink. Plus, a feature performance of Big hART's When Water Falls by an incredible First Nations ensemble.

TICKETS: www.beakerstreet.com.au/nocturna

See next page for NOCTURNA add-ons.

EAST COAST

NOCTURNA Add-Ons, 13 & 14 August

Details and tickets: www.beakerstreet.com.au/nocturna



Make a weekend of it - Make the most of your NOCTURNA experience, and don't leave! Book accommodation at Spring Bay Mill and roll out of bed the next morning with coffee and brekkie for sale on site.



TUNAPRI TRAYAPANA - Discover the Aboriginal history of tryapana/Triabunna on this 1.5-hour walking tour of Spring Bay Mill's unique site with Nunami Sculthorpe-Green. Small-group tours run Saturday 13 August at 2pm and Sunday 14 August at 10:30am.



Capturing Dark Skies - Small group, hands-on instruction and a guide to camera settings for photographing the Milky Way and Southern Lights, with celebrated Tassie photographer Luke O'Brien.



Elsewhere Sauna - A mobile healing space designed to experience the properties of 'löyly' the steamy atmosphere within the wood-fired sauna, alongside the cool respite of local water bodies. Elsewhere Sauna is offering hour-long sauna sessions capped at 5 people per session. You may purchase a singular spot and welcome a mix of fellow guests or book all 5 spots if you wish for a private experience.



Maria Island Tour - Join expert guides from See Tasmania to experience the beauty and wonder of Maria Island. This half-day walking tour includes a history tour of Darlington convict site and a visit to either the Painted Cliffs or the Fossil Cliffs. The package includes your Maria Island Ferry ticket and Parks pass, a picnic, hot drinks, and a glass of wine to finish the day.



NOCTURNA Shuttles - Let someone else be the designated driver. Catch a shuttle from Hobart, Triabunna, or Orford for NOCTURNA Saturday August 13th.

Major Partners



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DETACHED

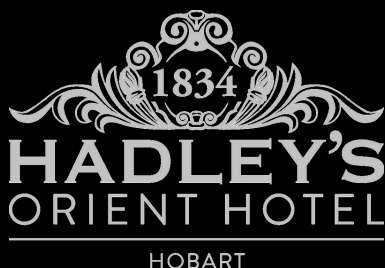


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Media Partner

