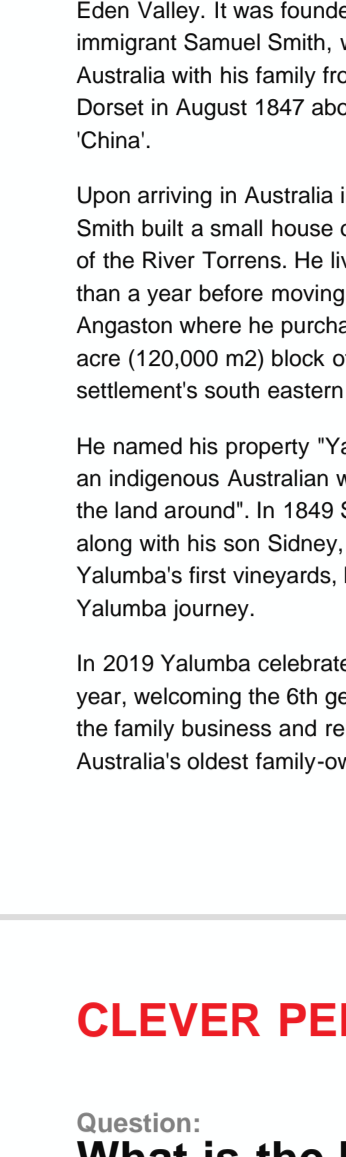


A petri dish containing Gram-positive lactobacillus bacteria grown on agar. Commemorating Hans Christian Gram's 166th birthday on 13 September 2019.

QUOTE OF THE MONTH



"Science means constantly walking a tightrope between blind faith and curiosity; between expertise and creativity; between bias and openness; between experience and epiphany; between ambition and passion; and between arrogance and condescension - in and out, between an old today and a new tomorrow."
Heinrich Rohrer
1933 – 2013
Physicist

https://www.brainyquote.com/quotes/heinrich_rohrer_736250

CLIENT OF THE MONTH:

Yalumba Wines

Winners are chosen by our computer on a random basis. The prize is the client's choice of \$100 worth of laboratory items from a supplied list.

From Yalumba Family Winemakers:

"Yalumba is a winery located near the town of Angaston, South Australia in Eden Valley. It was founded by British immigrant Samuel Smith, who moved to Australia with his family from Wareham, Dorset in August 1847 aboard the ship 'China'.

Upon arriving in Australia in December, Smith built a small house on the banks of the River Torrens. He lived there less than a year before moving north to Angaston where he purchased a 30-acre (120,000 m²) block of land on the settlement's south eastern boundary.

He named his property "Yalumba" after an indigenous Australian word for "all the land around". In 1849 Samuel Smith, along with his son Sidney, planted Yalumba's first vineyards, beginning the Yalumba journey.

In 2019 Yalumba celebrates its 170th year, welcoming the 6th generation to the family business and remains Australia's oldest family-owned winery."



CLEVER PERSON'S QUIZ

Question: **What is the heaviest stable isotope?**

The answer will be in the next edition of the Rowe Scientific newsletter.

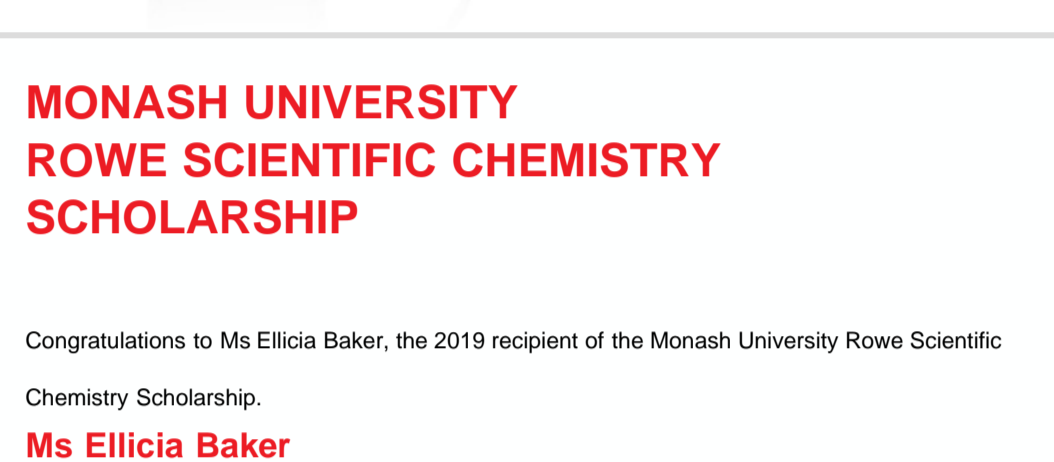


Did you know the answer to the last quiz question?
"What was the first man-made plastic?"

Answer: Celluloids, initially marketed as Parkesine by Alexander Parkes, were first manufactured in 1856, and are considered to be the first plastic produced by mankind. Celluloids are plastic compounds made from dissolved Nitrocellulose and Camphor. Bakelite, first produced in 1907 from a reaction of phenol with formaldehyde, was the first plastic made from synthetic components.

References
1: Parkes, A. (1865) *On the properties of parkesine, and its application to the arts and manufactures* Journal of the Society of Arts, London Vol.14:81.
2: Boon R. (2014) *Alexander Parkes: Living in a material world*. Viewed 5 July 2019 <https://blog.sciencemuseum.org.uk/alexander-parkes-living-in-a-material-world>
3: Baekeland, L. H. (1909) *The Synthesis, Constitution, and Uses of Bakelite*. Journal of Industrial & Engineering Chemistry, 1(3), 149–161. doi:10.1021/ie50003a004

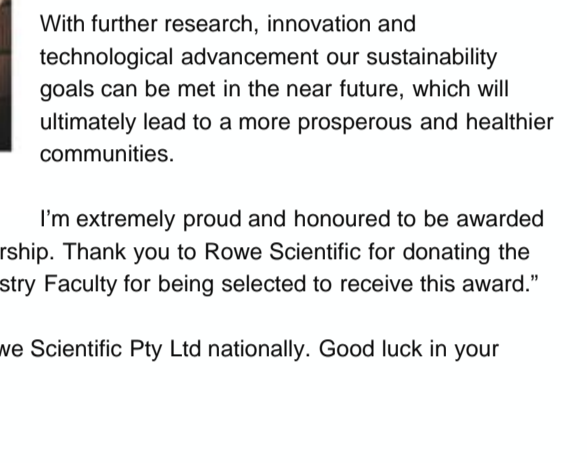
SUPPORTING THE RFDS



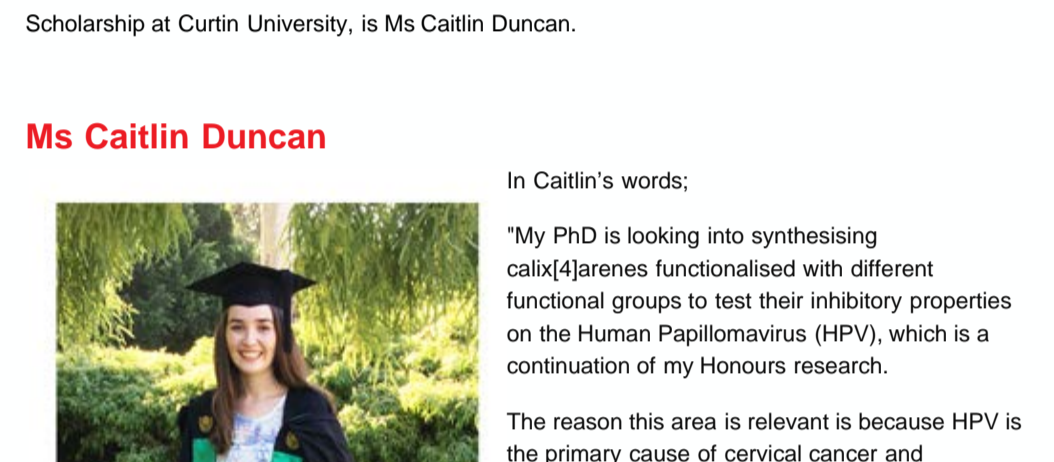
Amount raised to date: **\$5,082** as of 16/9/19

Help us raise **\$32,000** for the 2019 – 20 Financial Year.

Every purchase of Rowe Quantumclean (CQ1050, CQ1000, CQ1100) and pH buffers (CB3515, CB3115, CB2660) in the unique twin neck bottle, results in a **\$2.00** per item donation to the Royal Flying Doctor Service.



FOODTECH QUEENSLAND 2019 EXHIBITION CONFERENCE



Our Queensland team attended the FoodTech 2019 Conference at the Brisbane Convention Centre on 28th - 30th July, 2019.

We displayed a range of Velp instruments including the Velp SER 158 for determination of oil and fats, and the VELP UDK Distillation unit to determine nitrogen content in food.

Thank you to all our clients who took the time to visit us at our exhibition stand.

TESTO 108 Hand Held Digital Thermometer



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- Large display
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IM1318
\$162
While current stocks last

MONASH UNIVERSITY ROWE SCIENTIFIC CHEMISTRY SCHOLARSHIP

Congratulations to Ms Ellicia Baker, the 2019 recipient of the Monash University Rowe Scientific Chemistry Scholarship.

Ms Ellicia Baker

In Ellicia's words;



"Out of the vast number of study areas available in Chemistry, I am most interested in Sustainable Chemistry.

In this day and age, with the increasing levels of Green House Gas emissions, decreasing fossil fuel supplies and the increasing demand from a growing population, we need to, as a collective society, develop and use more 'greener' methods, materials and practices to improve the health of the environment including ourselves.

With further research, innovation and technological advancement our sustainability goals can be met in the near future, which will ultimately lead to a more prosperous and healthier communities.

I'm extremely proud and honoured to be awarded the 2019 Rowe Scientific Chemistry Scholarship. Thank you to Rowe Scientific for donating the award and to the Monash University Scholarship Faculty for being selected to receive this award."

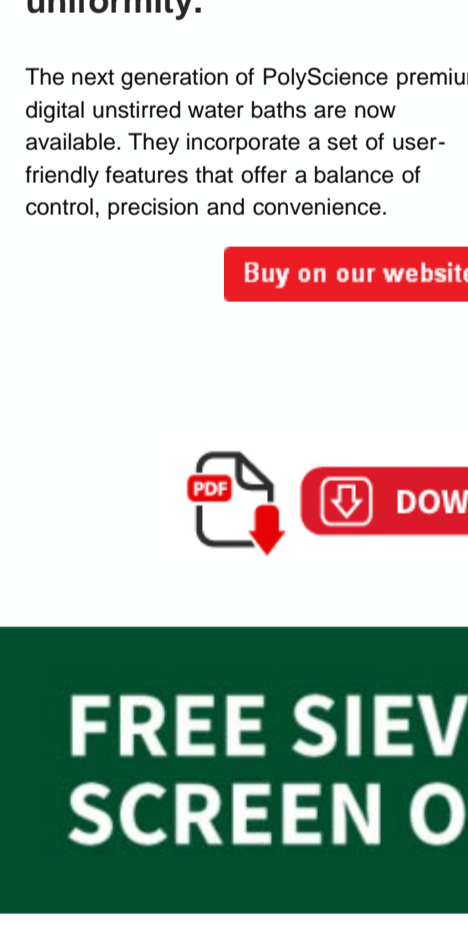
Congratulations Ellicia, from the staff of Rowe Scientific Pty Ltd nationally. Good luck in your future studies.

CURTIN UNIVERSITY ROWE SCIENTIFIC HDR CHEMISTRY SCHOLARSHIP.

The winner of the 2019 Rowe Scientific Higher Degree by Research (HDR) Chemistry Scholarship at Curtin University, is Ms Caitlin Duncan.

Ms Caitlin Duncan

In Caitlin's words;



"My PhD is looking into synthesising calix[4]arenes functionalised with different functional groups to test their inhibitory properties on the Human Papillomavirus (HPV), which is a continuation of my Honours research.

The primary this area is relevant is because HPV is the reason cause of cervical cancer and approximately 5% of all cancer worldwide. There are over 200 types of HPV and currently only nine of these types can be prevented through vaccination programs.

In addition, there are currently only treatments available for the symptoms, with no treatments that target the viral infection itself. The aim of my research is to investigate if different functional groups are better at binding to the capsid protein of HPV than the previously tested compounds.

By binding to the capsid protein of HPV before it assembles, these compounds can inhibit assembly, which could help lead to a potential treatment for HPV infections. I would kindly like to thank Rowe Scientific for their generosity with this award."

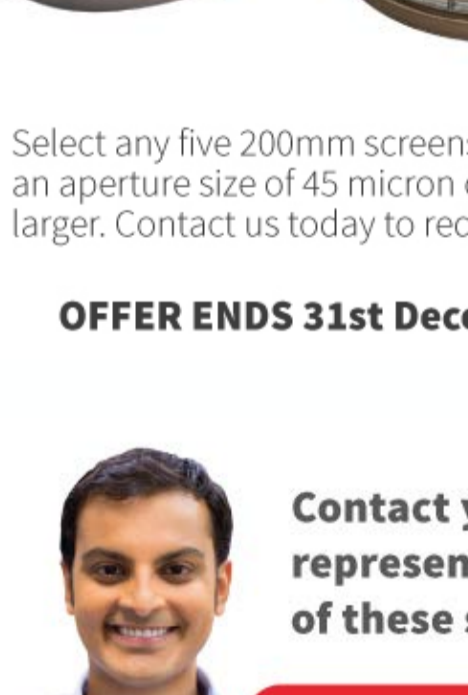
Congratulations Caitlin, from the staff of Rowe Scientific Pty Ltd nationally, and good luck with your PhD research in Italy later this year.

DEAKIN UNIVERSITY ROWE SCIENTIFIC SCHOLARSHIP

Our congratulations to the following two recipients of a Rowe Scientific Scholarship at Deakin University.

Mr William Murrell

In William's words;



"I was encouraged to apply for the Rowe Scientific Scholarship by Professor Colin Barrow, Deakin's Chair in Biotechnology.

Receiving the scholarship has helped me financially and is an excellent addition to my CV. This scholarship has taken away some of my student debt, giving me more money to use elsewhere. I would like to purchase a new laptop to help with my studies as my current machine is quite old.

Chemistry has always been interesting to me as it allows for manipulation of materials at their most fundamental molecular level through systematic knowledge, critical thinking and problem-solving skills. I'm particularly passionate about synthetic chemistry because chemistry knowledge and procedures can be used to engineer new materials and innovations.

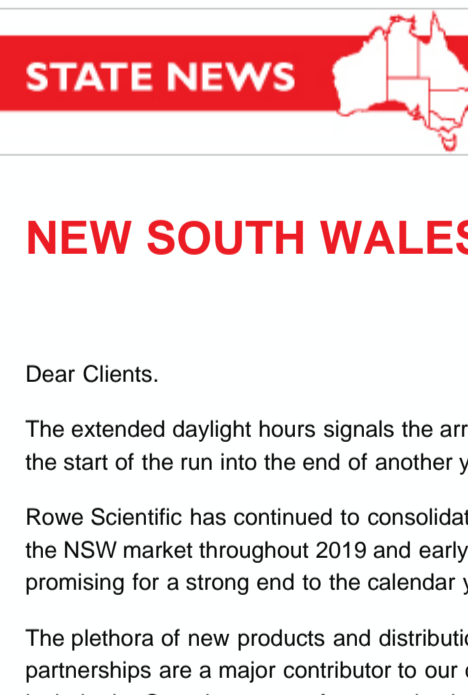
My studies have definitely confirmed my interest in working in a synthetic laboratory environment. In the future, I would like to complete a PhD to develop ideas presented in my thesis on the use of polynorbornanes to create metallasupramolecular ligands.

During my Bachelor's degree I completed a research project at the Deakin Institute of Frontier Materials, supervised by Dr Alessandra Sutti and Dr Marzieh Panhizkar. This was a great learning experience which taught me how research teams operate in a professional environment. My interests outside of studying are largely music related. I am an avid follower of local music and play in a Ballarat band.

I know there are a lot of places Rowe Scientific could have donated to so I am glad you chose to invest in the future of science, through this program at Deakin. Thank you."

Ms Mikayla Milanovic

In Mikayla's words;



"Scholarships recognise people who have devoted so much to their research and can have a great impact on their future research and employment opportunities. Being awarded the Rowe Scientific scholarship is a step towards my future goals.

At the beginning of the year I left my part-time job to undertake my Honours full-time. I spend a great amount of time in the lab focusing on my research and uncovering fascinating results. The scholarship gives me the opportunity to continue my research without the stress of part-time work and allows me to accept any development opportunities that arise.

I am so passionate about my research because I know that it can make a difference within the community. To quote Nobel Laureate Frederick Sanger, "scientific research is one of the most exciting and rewarding of occupations."

I didn't see myself following a synthetic chemistry path but further study has shown me I do have the confidence to pursue a career in this field. It has also enabled me to demonstrate to others that girls can do science too.

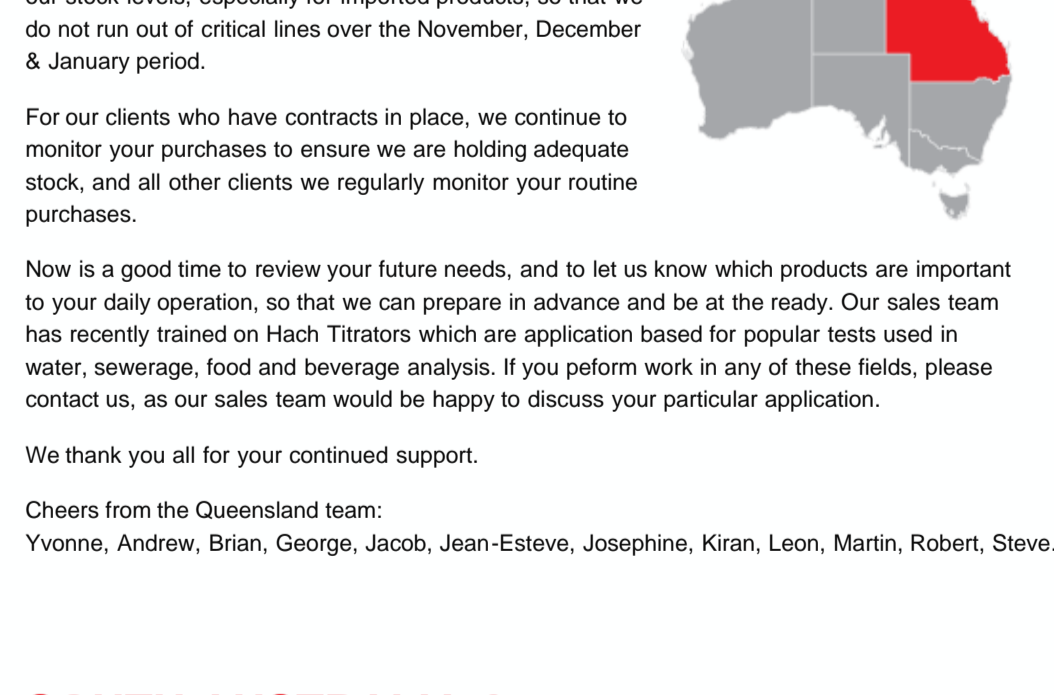
This year I was given the opportunity to run demonstrations for first year chemistry classes, broadening my personal skills and knowledge. Additionally, I've been able to collaborate with the Victoria Police Forensic Services Department, working closely with their Principal Research Development and Innovation Specialist, Acting Chief Forensic Scientist and Forensic Chemist.

Once I complete my Honours, I will apply to study a PhD, with a focus on Forensic Chemistry based research. However, if this isn't possible, I will apply for a position with the Victoria Police Forensic Services Centre or the Victorian Institute of Forensic Medicine.

The generosity of Reg Rowe and Rowe Scientific has inspired me to continue striving towards my goals, believing in myself and empowering others. Most importantly, as a woman in science, I feel this scholarship has given me the power to make a difference to the gender gap in the STEM workforce."

Well done Mikayla and William, from the national staff of Rowe Scientific Pty Ltd

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Contact your Rowe Scientific representative to take advantage of these savings.

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STATE NEWS

NEW SOUTH WALES

Dear Clients,

The extended daylight hours signals the arrival of Spring and the start of the run into the end of another year.

Rowe Scientific has continued to consolidate its position in the NSW market throughout 2019 and early indications are promising for a strong end to the calendar year.

The plethora of new products and distribution partnerships are a major contributor to our continued growth. Two recent additions to the range include the Cryolux range of cryogenic gloves from Cryokit, which are proving a real hit with customers, and the Alconox range of detergents for critical cleaning.

Alconox detergents have been used for cleaning applications in laboratories, medical devices, pharmaceutical and precision manufacturing for more than 70 years.

An extensive range of Alconox samples are available for customer evaluation, contact us today to order your sample. We have gloves to lend for evaluation. If you would like to trial a pair of Cryokit gloves, give us a call today. Discover the unique design and many features of Cryolux cryogenic gloves.

Contact your local Rowe Scientific representative for more information about these two new additions to our product range.

All the best from:
John, Allan, Harley, Hayden, Kathryn, Kazi, Rod.

QUEENSLAND

Dear Clients,

The months ahead will be a busy time for us as we review our stock levels, especially for imported products, so that we do not run out of critical lines over the November, December & January period.

For our clients who have contracts in place, we continue to monitor your purchases to ensure we are holding adequate stock, and all other clients we regularly monitor your routine purchases.

Now is a good time to review your future needs, and to let us know which products are important to your daily operation, so that we can prepare in advance and be at the ready. Our sales team has recently trained on Hach Titratros which are application based for popular tests used in water, sewerage, food and beverage analysis. If you perform work in any of these fields, please contact us, as our sales team would be happy to discuss your particular application.

We thank you all for your continued support.

Cheers from the Queensland team:
Yvonne, Andrew, Brian, George, Jean-Esteve, Josephine, Kiran, Leon, Martin, Robert, Steve.

SOUTH AUSTRALIA & NORTHERN TERRITORY

Dear Clients,

Well, by the time you read this we will be out of Winter and into the Spring months in Adelaide.

I suppose it serves me right for "counting my chickens before they're hatched" with last months comment of both Adelaide teams being in the top 8, as they have both been relegated, leaving Adelaide with a "mathematical" chance of playing Finals if they beat the Bulldogs.

By the time you receive this newsletter, we will have a new staff member in Adelaide who joins us on 26/8/19 by the name of Erik Mooney. He will be taking over our Logistics and Admin role and freeing up time for the rest of the Adelaide team.

As a reminder we have some upcoming Trade Shows which we will be exhibiting at in Adelaide this year. We will be at the Bliss event in October and a RACI event in December. Thanks to all those who visited us recently at previous conferences.

Lastly, I would like to take the opportunity to remind our clients that we are now the official distributor for BRAND in Australia, and we are growing our stock every week to better service your requirements.

All the best from,
Doug, Daniel, Dannielle, Erik, Joanne, Katelynn, Mark, Michael, Paula, Steve.

VICTORIA & TASMANIA

Dear Clients,

The Rowe Scientific business in Victoria continues to grow as more scientific & technical staff in areas as diverse as manufacturing, mining, food, pathology, research, consulting, schools and tertiary institutions, choose Rowe Scientific as their preferred supplier.

To facilitate the increased demand, we have invested in another internal sales specialist, Louise Thompson – we welcome Louise to our Rowe Scientific team.

When you read this newsletter, Christine Barclay will be back from the USA, having attended training in the CHARM range of products. Charm Sciences is the global leader in rapid diagnostic tests across many industries, including dairy, feed & grain, farm, food & beverage, water and healthcare.

In the first week of September, Mingo & Garry attended the WIGA conference in Bendigo. Thank you to all who attended the show and visited our stand.

The Horiba pocket meters are proving very popular along with the "ZenTest" Bluetooth pocket testers. And of course, please don't forget to check our website – it is growing all the time! Hope to hear from you soon.

From your team in Victoria:
Garry, Adam, Amanda, Brian, Christine, Hoa, Louise, Mango, Nic.

WESTERN AUSTRALIA

Dear Clients,

As we Spring into Summer we are focussed on our mission to keep you supplied with the scientific items you need to do your work.

To this end, we maintain a warehouse in each of the mainland states to have the goods available when you need them. Our national stock holdings grow as we build our inventory to ensure continuity of supply, especially with Christmas approaching.

Please consider when you will need that one off special item, which we call a five legged rat, and invite us to quote now. International trade routes will soon become swamped in the Christmas build-up.

All the best from:
Peter Sommers and the Western Australian Team.

South Australia & NT | Queensland | Victoria & Tasmania | New South Wales | Western Australia

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