

other. All prize winners received cash amounts including a certificate of their achievement. This year the Rowe Scientific Award for the top middle school was awarded to Darwin Middle and the top senior secondary school to Darwin High. Congratulations to all. **NEW SOUTH WALES** In NSW, 32 awards were made, as below. World in STE (Left to Right) Joshua Salama, Mr Kerry Sheehan (Inspector for Science, **NSW Education Standards Authority)** The STANSW Young Scientist Awards presentation ceremony was held at the University of Wollongong on 1 November 2019. The Rowe Scientific Depth Study Awards were expanded from 13 awards for just Year 11 students in 2018 to 20 awards for Year 11 & 12 students in 2019. Rowe Scientific also continued to fund all the Year 11-12 Scientific Investigation category awards. The Depth Study awards are for Year 11 and Year 12 practical investigations or secondarysourced investigations that most effectively communicate how their depth study has enabled the student to develop and acquire a deeper knowledge and understanding of one or more clearly identified concepts found within or inspired by the syllabus - 1 Gold Award (\$500), 5 Silver Awards (\$300) & 14 Bronze Awards (\$200). The 2019 Rowe Scientific Depth Study Gold Award was received by Joshua Salama from James Ruse Agricultural High School. Joshua's project looked at the effects of different surfactants on the adsorption of octane vapours. Joshua designed and conducted an experiment to determine the adsorptive capacity of three different surfactant chemical filters against octane vapours over time. He determined that nonionic surfactants were the most effective at slowing the rate at which octant vapours escaped, followed by anionic and cationic surfactants. In Tasmania, 29 students received Rowe Scientific prizes. STAT - Rowe Scientific Most Promising Young Scientist Senior (Left to Right) Sudhaunshu Hardikar, For the second year in a row, Raiden Lemon from The Hutchins School in Hobart, has won the Science Teachers Association of Tasmania's (STAT) major crown: the 'Rowe Scientific Most Promising Young Scientist Senior Secondary Award'. This year, Raiden teamed up with school mate Sudhaunshu Hardikar to complete an investigation titled 'Predicting Ascending Aortic Aneurysms with Computational Fluid Dynamics'. Currently, the only method of predicting the risk to a patient of suffering an aortic aneurysm is to measure the diameter of their ascending aorta. Raiden and Sudhaunshu used data from the Menzies Institute for Medical Research and created a model to simulate the stress on the wall of the aorta depending on wall thickness, diameter and

curvature. In their words, Raiden and Sudhaunshu hope that "By accurately modelling the stress on the walls of the aorta, a more rigorous set of guidelines can be made for assessing the risk of experiencing an aneurysm. This can potentially increase the quality of life of patients, save

of Queensland

Rowe Scientific funding. Mr Martin Bullock from Rowe Scientific presented these awards and is in

1st Place in Science Investigations (yr7-8) for her project "An investigation into the

millions of dollars in healthcare and save hundreds of lives each year".

given the problem of how to prevent their classroom from being broken into. Kendyn, Hugo Turner and Shayna Parry devised an alarm system and warning poster to be used. Their entry reflected their use of the STEM Design Method, and their ability to work collaboratively with each

Kylie Unkovich (left) and

Shannon Augustson (right) -Western Australia.

Peter Spencer

Queensland

The Rowe Scientific Second Year Chemistry Laboratory Prize at the University of Queensland

In Joseph's words,

"I would like to take this opportunity to thank Rowe Scientific as donor of the Second Year Laboratory Prize.

I have always enjoyed the laboratory component of chemistry courses offered at

Being the recipient of the award has definitely encouraged me to continue to work hard and remain focused this year, and beyond, as I continue my studies in

Well done Joseph, from all the national staff of Rowe Scientific Pty Ltd.

acknowledged for achieving the greatest proficiency of my cohort last year in

UQ, and it is wonderful to be

Experimental Chemistry.

the laboratory. Thank you,"

UNIVERSITY OF QUEENSLAND

Mr Joseph Froio

STATE PRIZES

these funds, for the following reasons:

currently do business.

in 2019.

EXAMPLE:

Year - Secondary

Senior High School)

Contamination

EXAMPLE:

School Award

New School Award

EXAMPLE: STANT

- Arnhem Office).

EXAMPLE: STANSW

TASMANIA

EXAMPLE:

Secondary Award

Raiden Lemon

QUEENSLAND

EXAMPLE:

Contest

In QLD, 67 prizes were awarded.

Association of Queensland Science

(Left to Right) Martin Bullock, Porch

STAQ held its awards ceremony for their Queensland Science Contest at University of Queensland on 26 October 2019. The following students won first prizes and were recipients of

the photos with each of the students

biodegradation of styrofoam by meal worms".

STAQ - Science Teachers'

Cush (Marymount College)

Year 7-9 STEM in the NT -Reflection, Group Presentation

Investigations

Australia's STEM educators.

WESTERN AUSTRALIA

In WA, 62 students received prizes.

STAWA Young Scientists of the

First Place - Year 9-10 Science

(Left to Right) Sarah Quaglia (Rowe Scientific), Peyton Longbottom, Yoon Creelman, Emily Rahaley (Willetton

Project: River Ecosystem Metal

SOUTH AUSTRALIA

SASTA Rowe Scientific Best New

NORTHERN TERRITORY

(Left to Right) Jestin Palakal (Teacher Maningrida College), Kendyn Brown (Maningrida Community College), Jenni Webber (presenter Director Quality Schools Systems and Support

Kendyn and his classmates were

In the NT, upwards of 60 students received prizes

(Left to Right) Mr Mark Divito (Teacher) - Toby Trenwith from Salisbury High School, getting awarded for the Rowe Scientific Best

In SA, 109 students were awarded prizes.

however small damage-causing particles remained.

AUSTRALIAN SCIENCE TEACHERS

territory Science Teachers Associations (STA) across Australia.

ASSOCIATION ROWE SCIENTIFIC 2019

Each year, Rowe Scientific Pty Ltd donate a sum of money to the Australian Science Teachers Association (ASTA) in Canberra. ASTA manages the distribution of the funds to the eight state/

The science teacher members of each STA do a tremendous job in organising an annual science competition in their state, where students interested in science, technology, engineering and mathematics (STEM) can showcase their project work. Eighty percent of the funds provided by Rowe Scientific contribute (with other organisations) to student prizes in each state. Twenty percent contributes to STA administration. It pleases the directors of Rowe Scientific to provide

1. Encouraging current students with an aptitude for STEM, will help to train future technical

3. Rowe Scientific's Managing Director started his scientific career as a WA government high school science, mathematics, physics and chemistry teacher (10 years), before working as an industrial chemist for 8 years, and founding Rowe Scientific in 1987. Assisting with student prizes via ASTA is an acknowledgment of the hard work and professionalism of

The following contains a random sample of the literally hundreds of students who received prizes

2. Supporting high school science around Australia, along with Rowe Scientific university scholarships, indirectly "gives back" to the communities in which Rowe's Scientific clients

people, and thereby contribute to Australia's international competitiveness.

This project investigated how storm disturbance affects heavy metal and metalloid

concentrations within a water column. It was found that the levels of elements tested increased after disturbance. Most of the larger particles disappeared from the water soon afterwards,

ROWE SCIENTIFIC SECOND YEAR

CHEMISTRY LABORATORY PRIZE

Chris Hopkins

New South Wales

was awarded to Mr Joseph Froio.

AUSTRALIAN CAPITAL TERRITORY 23 prizes were awarded in the ACT for 2019. **EXAMPLE:** An example will appear in our next newsletter. VICTORIA 78 prizes were awarded in Victoria. **EXAMPLE:** An example will appear in our next newsletter. **STATE NEWS NEW SOUTH WALES Dear Clients** Barely three weeks of the New Year has elapsed and already 2020 will be no doubt remembered for the devastating fires which have impacted many regions in NSW but in particular the South coast. Our thoughts are with all of those impacted and we pray they will dig deep and find the courage and spirit to persevere and push on in the face of adversity. Seeing the response from the community we are witnessing the true meaning of Australian mateship and the fighting spirit which Australians are recognised for throughout the world. 2020 is shaping up to be another busy year in the history of Rowe Scientific in NSW. The flow of quotation requests and orders are particularly encouraging so early in the month and we are working on adding an increasing range of both consumables and instrumentation to bolster our ability to service our increasing and diverse customer base. Best wishes to you all for good health and success in the year ahead. We looking forward to continuing our partnership with our existing clients and developing new partnerships as the year progresses. All the best from: John, Allan, Hayden, Kathryn, Kazi, Rod, Rodney

Dear Clients. All the best from,

Dear Clients.

bring some relief. them for you. to ensure you always have a choice. From your team in Victoria: Dear Clients. requirements.

QUEENSLAND Dear Clients. A New Year begins and our thoughts and prayers go out to all of our fellow Aussies that have had their homes and properties destroyed. Mother Nature has certainly not been kind to us but she has not dampened our spirit. Our Fire Fighters and Volunteers have done a marvellous job in protecting as much as they were able to and we applaud their courage.....heroes all! Business has been very brisk and both our sales and warehouse teams have been working hard to keep up with demand, and we thank you for your continued support. There is a feeling of optimism in the air and we hope that 2020 brings you all good health and good fortune. The boats have arrived and we have plenty of stock of Wet Strengthened Filter Paper 25.0cm diameter(FP1041) & 33.00cm diameter(FP1052), so please check if you need more of these products. Cheers from the Queensland team: Yvonne, Andrew, Brian, George, Jacob, Jean-Esteve, Josephine, Kiran, Leon, Martin, Robert, Steve. **SOUTH AUSTRALIA &** NORTHERN TERRITORY Firstly, Happy New Year to all of our clients and lets hope 2020 is a cracking year for us all. It would be remiss of me to not acknowledge the devastating fires our state has experienced recently. I am not sure how many clients that we service from Adelaide have been affected by these horrific events, however our thoughts are with you. After an extensive search, we have found a replacement external sales person, Sam Mattiske. Sam is an Adelaide native having studied here and completed several degrees in the field of medical science. Sam

VICTORIA & TASMANIA

has spent the last 3 years living and working in the UK. In due course Sam will be out to meet all of you, but we have used this as an opportunity to restructure/reassign accounts which means some of you will be assigned different account managers moving forward into 2020. Doug, Dannielle, Erik, Joanne, Katelynn, Mark, Michael, Paula, Samuel, Steve. We hope 2020 and the new decade has been good to you so far. Our thoughts are with all those who have been affected by the fires. We hope the rains and lower temperatures from the last few days will continue and finally The Rowe Scientific Mission is to keep you supplied with items you need to do your work, that means even the difficult ones, let us know what they are - it's our job to find Our newest agency, Charm has some very innovative products for the food industry. If you are interested in F-AP in milk, please give us a ring or log onto our webstore. Glassware, certified, and competitive - these 3 words do not often appear together, however we've acheived all three through our regular suppliers Witeg and Kavalier. In addition we are a now agents for BRAND and have ample stock arriving at a very competitive price! Do not allow suppliers to dictate what you should use in your laboratory. Rowe Scientific is here Garry, Adam, Amanda, Brian, Christine, Hoa, Louise, Mango, Nic, Paul. **WESTERN AUSTRALIA** 3 weeks into the New Year and Christmas is a fading memory. We experienced the expected slowdown over the break, but business has returned to its usual level, as have we returned to operating 2 shifts to service your Our first Full Container Load (FCL) of plasticware from SPL

> Victoria & **New South Wales Tasmania** (03) 9701 7077 Ph: (02) 9603 1205 rowevic@rowe.com.au rowensw@rowe.com.au

rowewa@rowe.com.au

Queensland (07) 3376 9411 roweqld@rowe.com.au

*Prices do not include GST and only while stock lasts. We reserve the right to change specifications, details and descriptions without notice. Pictures for illustrative purposes only. Discounts do not apply to service, freight or repair charges. ©2020 Rowe Scientific Pty Ltd. All rights reserved.

South Australia rowesa@rowe.com.au Rowe Scientific Pty Ltd We sent out this message to all existing Rowe Scientific Pty Ltd customers. As a way of keeping you informed of special

offers and company news. Unsubscribe

suitable for tissue culture use landed at the expected cost, allowing us to continue with our market penetrating prices. If you use serological pipettes, please call us to sample our offer. Our premium new agency in BRAND continues to grow, as does our stocking to meet your needs. If you have a product that is regularly used, please discuss us stocking for you. Thanks for your business and I look forward to a mutually beneficial year All the best from: Peter Sommers and the Western Australian Team.