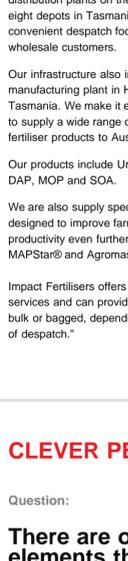


Autumn vines in the Adelaide Hills - South Australia

QUOTE OF THE MONTH



"We think there is colour, we think there is sweet, we think there is bitter, but in reality there are atoms and a void."
DEMOCRITUS
c. 460 – 370 BC
Philosopher

<https://www.famousquotes.org/democritus/>

CLIENT OF THE MONTH:

Ameropa Australia - Impact Fertilisers

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 Ameropa Australia:

Impact Fertilisers is the wholesale side of Ameropa Australia, selling its products and services through an extensive dealer network in Eastern Australia.

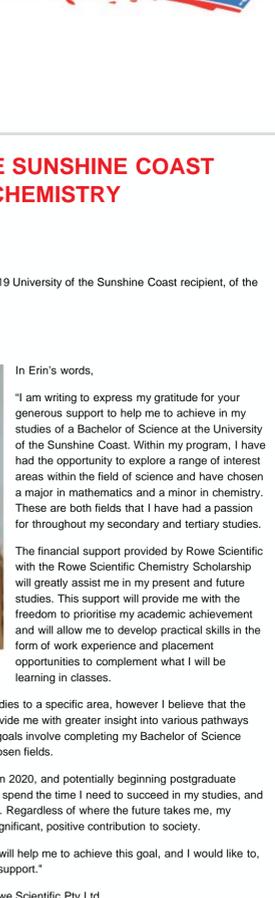
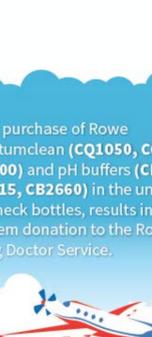
There are nine Impact Fertilisers distribution plants on the mainland and eight depots in Tasmania, providing a convenient despatch footprint for wholesale customers.

Our infrastructure also includes an SSP manufacturing plant in Hobart, Tasmania. We make it easy for dealers to supply a wide range of quality fertiliser products to Australian growers.

Our products include Urea, SSP, MAP, DAP, MOP and SOA.

We are also supply specialty products designed to improve farming productivity even further: ZincStar®, MAPStar® and Agromaster®.

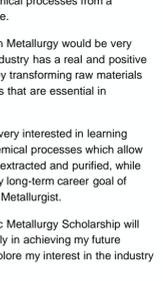
Impact Fertilisers offers blending services and can provide product as bulk or bagged, depending on the plant of despatch."



CLEVER PERSON'S QUIZ

Question:

There are only two metallic elements that are not silvery in colour, what are they?



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

Did you know the answer to the last quiz question?
"What is the lowest melting point metallic alloy?"

Answer:

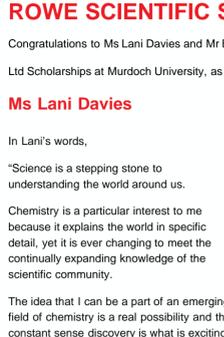
A eutectic alloy of 73.71% Cesium, 22.14% Potassium, and 4.14% Sodium has the lowest documented melting point at -78.2°C

References

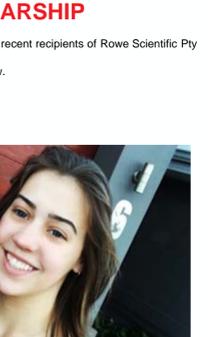
- 1. Gao, Y., Wang, L., Li, H., & Liu, J. (2013). "Liquid metal as energy transportation medium or coolant under harsh environment with temperature below zero centigrade". *Frontiers in Energy*, 8(1), 49-61. doi:10.1007/s11708-013-0285-3
- 2. Oshe, Ed. R. W., "Handbook of Thermodynamic and Transport Properties of Alkali Metals", Oxford, UK, Blackwell Scientific Publications Ltd, 1985, p. 987

SUPPORTING THE RFDs

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



Help us raise \$32,000 for the 2018-19 Financial Year!



UNIVERSITY OF THE SUNSHINE COAST ROWE SCIENTIFIC CHEMISTRY SCHOLARSHIP

Congratulations to Ms Erin Medland, the 2019 University of the Sunshine Coast recipient, of the Rowe Scientific Chemistry Scholarship.

Ms Erin Medland



In Erin's words,
"I am writing to express my gratitude for your generous support to help me to achieve in my studies of a Bachelor of Science at the University of the Sunshine Coast. Within my program, I have had the opportunity to explore a range of interest areas within the field of science and have chosen a major in mathematics and a minor in chemistry. These are both fields that I have had a passion for throughout my secondary and tertiary studies.

The financial support provided by Rowe Scientific with the Rowe Scientific Chemistry Scholarship will greatly assist me in my present and future studies. This support will provide me with the freedom to prioritise my academic achievement and will allow me to develop practical skills in the form of work experience and placement opportunities to complement what I will be learning in classes.

Currently, I have not narrowed down my studies to a specific area, however I believe that the final year of my Bachelor of Science will provide me with greater insight into various pathways that I may choose to pursue. My academic goals involve completing my Bachelor of Science program and continuing with study in my chosen fields.

This will likely involve applying for Honours in 2020, and potentially beginning postgraduate research. I am excited for the opportunity to spend the time I need to succeed in my studies, and I look forward to continuing this in the future. Regardless of where the future takes me, my aspiration is to inspire others and make a significant, positive contribution to society.

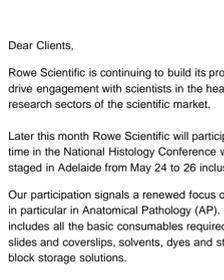
The Rowe Scientific Chemistry Scholarship will help me to achieve this goal, and I would like to, again, express my sincere gratitude for this support."

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

CURTIN UNIVERSITY SCHOOL OF MINES 2019 ROWE SCIENTIFIC METALLURGY SCHOLARSHIP

Congratulations to Ms Sarah Montague, the 2019 recipient of the Rowe Scientific Metallurgy Scholarship.

Ms Sarah Montague



In Sarah's words,
"My interest in Metallurgical Engineering began through my passion for chemistry and understanding chemical processes from a practical perspective.

I believe a career in Metallurgy would be very rewarding as the industry has a real and positive impact on society by transforming raw materials into precious metals that are essential in everyday life.

As a student, I am very interested in learning more about the chemical processes which allow these metals to be extracted and purified, while working towards my long-term career goal of becoming a Senior Metallurgist.

The Rowe Scientific Metallurgy Scholarship will assist me immensely in achieving my future career goals by allowing me to focus on my studies and further explore my interest in the industry with minimal financial stresses.

For these reasons, I'd like to sincerely thank Rowe Scientific for this prestigious scholarship."

Well done Sarah and good luck in your future metallurgical career, from all the national staff of Rowe Scientific Pty Ltd.

UNIVERSITY OF SOUTHERN QUEENSLAND ROWE SCIENTIFIC CHEMISTRY SCHOLARSHIPS

Congratulations to the following recipients of inaugural Rowe Scientific Chemistry Scholarships, at the University of Southern Queensland.

Ms Wendy Pieper

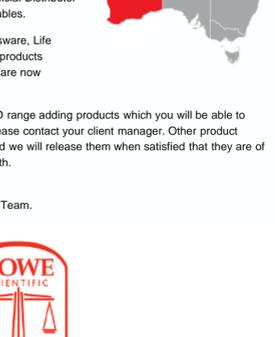
In Wendy's words,
"I am in my final year of studying a Bachelor of Science Degree and have found my studies in Food Science to be very interesting.

I have enjoyed learning about the chemical reactions different components of food undergo during cooking, storage and processing and how these reactions may impact the taste, texture, nutritional quality and shelf life of foods.

The potential benefits of functional foods and nutraceuticals in promoting health and preventing and treating disease is an exciting area which requires more research to gain further understanding of these compounds working.

I consider working in the field of Food Science important as everyone needs a safe, nutritious, affordable and accessible food supply and I am extremely grateful to be awarded this prize. It will be a huge financial help for me as I work towards completing my degree this year."

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



Mr Travis Craig

In Travis's words,
"The aspects of my chemistry related work that interested me most was the use of chemical compounds in the treatment of many conditions.

Along with that my interests regarding chemistry also reside in the chemical basis of how homeopathic treatments due to many homeopathic treatments being quite effective in the treatment of many conditions while producing very few if any side-effects.

With regards to any homeopathic treatments if they do have side-effects, it is likely those side-effects are far less severe than those of normal pharmaceutical treatments which is likely due to the biocompatibility of those homeopathic treatments.

As well as the chemical basis of how homeopathic treatments work I'm interested in research regarding the efficacy of homeopathic treatments seeing as there are many people, like myself, who react adversely to many pharmaceutical treatments even basic painkillers such as Panamax would yield adverse for some people such as myself while yielding minute pain reduction."

Well done Travis, from the national staff of Rowe Scientific Pty Ltd

MURDOCH UNIVERSITY ROWE SCIENTIFIC SCHOLARSHIP

Congratulations to Ms Lani Davies and Mr Bailey Brooks, recent recipients of Rowe Scientific Pty Ltd Scholarships at Murdoch University, as pictured below.

Ms Lani Davies

In Lani's words,
"Science is a stepping stone to understanding the world around us.

Chemistry is a particular interest to me because it explains the world in specific detail, yet it is ever changing to meet the continually expanding knowledge of the scientific community.

The idea that I can be a part of an emerging field of chemistry is a real possibility and the constant sense of discovery is what is exciting about science."

Mr Bailey Brooks

In Bailey's words,
"To me science has always been an intriguing and exciting topic.

To simply take something at face value wasn't an ability I had, I always needed to understand more and go beyond the basis of 'yeah that's how it works' and to actually understand the why behind everything.

To be able to understand how the world around us works on a macro and micro level is truly another level of enlightenment, being able to apply all these scientific principles of how things work on a fundamental level to everyday is the true reason why I study science and enjoy it so much."

Well done Lani and Bailey, from the national staff of Rowe Scientific Pty Ltd

WE'RE CLEARING STOCK!

Save on selected laboratory instruments listed below

LABORATORY CULTURE INCUBATORS

BIOCELL INCUBATOR POLAR SERIES
Biozell "Polar" variant programmable incubators offer an accurate and reliable temperature control from 0°C to 50°C, with a true one-pass air circulation system, to ensure an optimum and repeatable result.

- Flexible laboratory usage, suitable for incubation, storage or testing.
- Accurate and reliable control from 0°C to 50°C for repeatable results
- Easy to read digital display with an accuracy of 0.1°C set point increments
- CFC free with auto defrost
- Engineered for a wide range of ambient conditions

REFRIGERATED 100L IH0016 was \$8,489
\$2,774

REFRIGERATED 150L IH0017 was \$9,211
\$3,010

SPECTROPHOTOMETERS

UV AND VISIBLE SPECTROPHOTOMETER

The V-120 visible spectrophotometer is a single beam general purpose instrument designed to meet the needs of analytical laboratories. It is ideal for various applications within the fields of, chemistry, medicine, environmental protection, food and beverage, wine industry and quality control.

- Large LCD display (128 x 64 dots)
- Wavelength readout from screen
- Pre-aligned design ensures easy lamp replacement
- 4-Position 10mm Cuvette holder included
- 4nm bandwidth capability
- Windows basic software expands the applications to Standard Curve and Kinetics

VISIBLE 325-1000nm IS0094 was \$1,765
\$1,430

UV/VISIBLE 200-1000nm IS3195 was \$3,727
\$2,950

LABORATORY HOTPLATES

GRAPHITE HOTPLATES, RACKS AND ACCESSORIES

The graphite series of hotplates are ideal for digestion and evaporation of samples, and general laboratory hotplate use within the lab. Our AP product range continues to grow and now includes all the basic consumables required in a histology environment including microscope slides and coverslips, solvents, dyes and stains, embedding cassettes plus slide and paraffin block storage solutions.

The option of a programmable controller offers reliable and safe control of the hotplate, allowing multi-step programming with temperature ramp and hold functionality.

Racks are also available to uniformly heat containers and beakers to avoid the risk of losing the sample by reducing temperature differential gradients, bubbling and boil overs.

HOTPLATE 250 °C +/- 2 °C WITH RIM WITHOUT REGULATOR 320mm X 220mm MODEL A4 IC0302

- PFA graphite coating inert to most acids
- Ideal for digestion and evaporation of samples
- Integrated PTFE thermal barrier protection saves your lab bench and fume hood from radiant heat
- 320mm X 220mm hotplate size

was \$4,120
\$3,210

PROGRAMMABLE CONTROLLER REGULATOR (PXG4) FOR ANALAB HOTPLATE MODEL A4 IH0131

- Accurate and stable temperature (within +/- 2°C) for repeatable results
- Multi step programming with temperature ramp and hold functionality.

was \$2,558
\$1,990

HEATING RACK 24 PLACE FOR 50mL CONICAL TUBES 28.5mmD X 110mmH FOR MODEL A4 IR0094

- PFA graphite coating inert to most acids
- Uniform temperature up to 250°C
- Uniformly heats containers and tubes to avoid sample loss

was \$2,413
\$1,880

Valid until June 30th or while stocks last
Contact your Rowe Scientific representative to take advantage of these savings.

Contact us today.

STATE NEWS

NEW SOUTH WALES

Dear Clients,
Rowe Scientific is continuing to build its product portfolio and drive engagement with scientists in the healthcare and research sectors of the scientific market.
Later this month Rowe Scientific will participate for the first time in the National Histology Conference which will be staged in Adelaide from May 24 to 26 inclusive.
Our particular signals a renewed focus on developing a presence in the pathology market and in particular in Anatomical Pathology (AP). Our AP product range continues to grow and now includes all the basic consumables required in a histology environment including microscope slides and coverslips, solvents, dyes and stains, embedding cassettes plus slide and paraffin block storage solutions.
We look forward to meeting many of our existing clients from NSW and to develop new partnerships with scientists in the histology community throughout Australia as a result of our participation in the conference.
Finally, for the research community, keep an eye out for our new tissue culture plastic ware range which will launch next month following arrival of stock from our initial order due before the end of the month. It is exciting times in Rowe Scientific as we forge ahead and seek to support our scientists in advancing Australia in science.

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

QUEENSLAND

Dear Clients,
The close of another financial year is almost upon us.
During the past 12 months, we have worked hard to find as many cost savings as possible from manufacturers and suppliers so we can pass them on to you.
Since moving into our new premises we have increased our stock holdings for those products that are essential for your everyday operations, and continued to add new product agencies to our portfolio.
Many businesses are doing it tough and in order for us to continue to be of service to you, our clients, we depend on your continued support. If there are any products you need that are critical to your daily work, then please talk to your Rowe Scientific account manager and we will do our best to make sure we have those products in stock for when you need them.
Reminder: We are offering many cost saving specials for the "End of Financial Year" that you may wish to take advantage of while stocks last. Check our web site or contact our very friendly team who always look forward to serving you.

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

SOUTH AUSTRALIA & NORTHERN TERRITORY

Dear Clients,
Autumn is quickly fading into the cooler months of the year, as "Winter is Coming". A nod to Game of Thrones fans out there.
Mark Ames is settling in well to his role, as is Katelynn, who I'm sure many of you have already conversed with her. As this goes out I will be on a 4 week break for the birth of our second child. I will be back at work on the 11th of June.
Paula will be overseeing my work during this period.
We have upcoming trade shows that we will be exhibiting in Adelaide this year. The first of which will be in Adelaide for the "Histology Conference" from the 24th to the 26th of May. We are again attending the "Inter Winery Analysis Group" meeting on the 14th of June. We will also be at the "WineTech" event from the 21st of July to the 24th.

If you're in the market for laboratory ovens and incubators, we are the distributor in Australia for the MMM group who have a fantastic range to suit your laboratory needs.
We have recently been informed that Contherm are going into liquidation, which has prompted us to stock up on spare parts prior to their inevitable shut down. It is advisable for those of you who possess old Contherm units to factor in a new unit into your budget submissions.

All the best from:
Doug, Daniel, Dannielle, Joanne, Katelynn, Mark A, Mark H, Michael, Paula, Steve.

VICTORIA & TASMANIA

Dear Clients
It was not long ago that we were complaining about the drought & heat. Whilst there are still districts in drought, many areas have had reasonable rains to give us all some optimism.
We would like to take this opportunity to remind you about our e-commerce facility. If you do not yet have a log-on and password, simply contact your Account Manager and all can be arranged.
Our web store can be used to:
• Check price and availability of products including your special pricing
• Check local stock in Melbourne and display the national stock availability
• Search by manufacturer's part number or your own material number
• Check your back orders along with updated ETA's
Keep your eyes peeled for the new product lines and agencies to be introduced soon!

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

WESTERN AUSTRALIA

Dear Clients,
Last newsletter I advised you of some new agencies that we were evaluating.
Today I can update you about one that you already know and trust. We have been appointed as an official Distributor for the BRAND range of laboratory consumables.
All of the products including volumetric glassware, Life Science plasticware and the liquid handling products Dispensette S and Transperette S and tips are now available from Rowe Scientific.
We are working our way through the BRAND range adding products which you will be able to review on our website or, if not available, please contact your client manager. Other product ranges are being reviewed by our clients and we will release them when satisfied that they are of a standard that we wish to be associated with.

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

