

**NEWSLETTER**  
DECEMBER - JANUARY 2017

**QUOTE OF THE MONTH:**

*"Progress is made by trial and failure; the failures are generally a hundred times more numerous than the successes; yet they are usually left unchronicled."*

William Ramsay, 1852 to 1916  
SOURCE: www.famousquotes.org



**CLEVER PERSON'S QUIZ.**

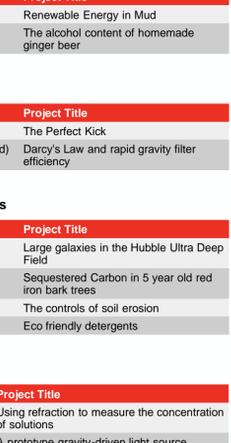
**QUESTION:**  
One of the essential minerals in the human body is salt. How much salt (NaCl) is in the average adult human body?

**DID YOU KNOW?**  
(Answer to last quiz)  
**Question:** How many currently living people have an element named after them?

**Answer:** One, although the name is currently in a public review period prior to official confirmation by the IUPAC. 118Og (Oganesson) is named after Russian nuclear physicist Professor Yuri Oganessian.

**SUPPORTING THE RFDS.**

Every purchase of Rowe Quantumclean (CQ1050, CQ1000, CB2600) 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 reach \$32,000 in the 2016-17 Financial Year!**

**ACT SCIENCE FAIR – DARAMALAN COLLEGE WINNERS.**

As part of Rowe Scientific Pty Ltd's support for Australian secondary school science education, via the Australian Science Teacher's Association, the following members from Daramalan College in the ACT, were recipients of prizes in the 2016 ACT Science Fair. (Note. The students below from Daramalan College are only an **example** of 49 students who received prizes, in the categories of Biology (18), Chemistry (8), Earth & Space (6), Engineering (6), and Physics (11). (We didn't have room for all the photos.))



Front Row (left to right): Jessica Bridgart, Hannah Shortt, Tom Hardy  
Back Row (left to right): Georgina Haig, Tahlia Jones, Ben Bethune, Austin Zerk, Nick Bilton, Mattia Bognolo, Charlie Curry, Mr Colin Price, Emma Johnson

The prize level, and title of project by each student, were as follows;

**BIOLOGICAL SCIENCES – winners**

Prize Level	Student Name	Project Title
Highly Commended	Hannah Shortt	How different exercises affect heart rate
Encouragement	Hayden Scott (not pictured)	Flashing emergency lights and night vision
Encouragement	Georgina Haig	Biomechanics of swimmers legs

**CHEMICAL SCIENCES – winners**

Prize Level	Student Name	Project Title
First	Austin Zerk	Renewable Energy in Mud
Highly Commended	Charlie Curry	The alcohol content of homemade ginger beer

**PHYSICAL SCIENCES – winners**

Prize Level	Student Name	Project Title
First	Thomas Hardy	The Perfect Kick
Highly Commended	Joseph Wright (not pictured)	Darcy's Law and rapid gravity filter efficiency

**EARTH AND SPACE SCIENCES – winners**

Prize Level	Student Name	Project Title
First	Ben Bethune	Large galaxies in the Hubble Ultra Deep Field
Second	Emma Johnson	Sequestered Carbon in 5 year old red iron bark trees
Highly Commended	Thu Vu (not pictured)	The controls of soil erosion
Encouragement	Jessica Bridgart	Eco friendly detergents

**ENGINEERING – winners**

Prize Level	Student Name	Project Title
Highly Commended	Nick Bilton	Using refraction to measure the concentration of solutions
Highly Commended	Mattia Bognolo	A prototype gravity-driven light source
Encouragement	Ramsay Needham (not pictured)	The Alibodragoin Paper Plane Design
Encouragement	Tahlia Jones	A Hygrometer with strands of hair

Congratulations to all students, their teachers, and to the ACT Science Fair organisers.

**Buy this centrifuge and get a FREE rotor**



was \$3,002  
now \$1,950

**BE QUICK ONLY 4 LEFT AT THIS PRICE**

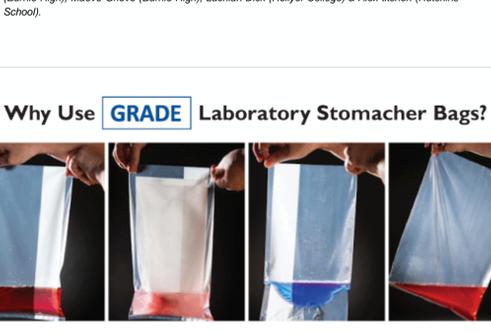
Centrifuge High Speed 15,000rpm, 2200RCF (G) for micro centrifuge tubes 0.2 to 2.2mL. Centurion brand centrifuges feature:

- Extra thick stainless steel bowl
- Quality European brushless motor
- Multi-point lid locking
- Overspeed detection
- Simple touch screen

**Rowe Code: IC0008**  
\*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 and/or repair charges.

**Buy now**

**2016 ROWE SCIENTIFIC PTY LTD SCHOLARSHIP AWARDS AT THE WESTERN SYDNEY UNIVERSITY.**



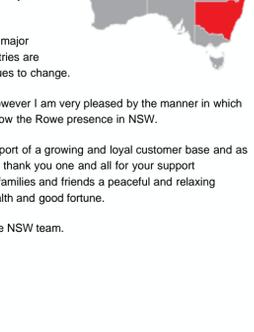
Congratulations to Ms Bronwyn McGhie the inaugural recipient of the Western Sydney University Rowe Scientific Chemistry Scholarship, Bachelor of Medical Science (Advanced). The Award was presented by Mr John Dwyer from Rowe Scientific Pty Ltd Sydney.

*"My whole life I have been extremely interested in science and its applied use. Although I have long since moved away from the classic backyard science experiments (I must say my vinegar volcano scans are a great achievement of mine) I still have the same excitement entering the lab or the classroom which has led to me achieving many awards in science. Now I am looking to continue in science by doing my Masters and after that my PhD.*

*Receiving this scholarship will mean that I have the funds to do an unpaid (or minimally paid) internship over the summer to further my career and knowledge in science."*

**Ms Bronwyn McGhie** – inaugural recipient of the Rowe Scientific Chemistry Scholarship Bachelor of Medical Science (Advanced).

**Automatic Solvent Extractor SER I58 Series**



**Exceptional Versatility and Scalability**

- Great range of applications for fat determination and sample preparation
- Vast set of accessories for a wide range of applications
- Up to 4 SER 158 units controlled with a single ControlPad managing up to 24 active positions
- Works with the majority of solvents

**High Productivity**

- Fast fat determination
- Extraction process with Randall technique is 5 times faster than traditional Soxhlet
- 24/7 unattended operations with automatic shutdown to ensure high throughput

**High Performance**

- Fully automated extraction process
- Titanium condensers (Patent pending) for unparalleled performance
- State-of-the-art sensors and technology
- Conforms to Good Laboratory Practice standards

**Extreme Safety**

- SolventPress™: the smart and hermetically sealed solvent dispensing system
- SafeEnd™: to prevent the overheating of the soluble matter
- Safety Guard: to ensure operator safety

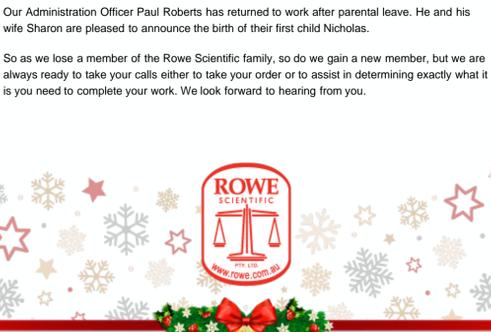
**Smart User Interface**

- One click "Load & Go"
- Easy analysis program setting
- LED guidance for active positions
- Multi-lingual support
- Several Predefined Methods
- Balance connection

**Rowe Code: IS0168 & IS0169**

**Find out more**

**SASTA – OLIPHANT SCIENCE AWARDS IN ADELAIDE.**



As part of Rowe Scientific Pty Ltd's support for Australian secondary school science education, via the Australian Science Teacher's Association, Ms Margaret Jackson receives a Rowe Scientific Country School Award from Mr Doug McPhee. Margaret is the 2016 Oliphant Science Award winner at the Wudinna Area School (Secondary) in South Australia. Oliphant is the Rowe Scientific Pty Ltd SA and NT State Manager. (Unfortunately, we do not have the space for the details of the other 137 recipients of awards to which we contributed, but congratulations to them all, and to their teachers, and the Oliphant award organisers.

**2016 ROWE SCIENTIFIC PTY LTD SCHOLARSHIPS AT THE UNIVERSITY OF ADELAIDE.**

Rowe Scientific have a policy of distributing its profits to assist in the science education of students from the states where their business came from. Equally, scholarships are awarded to students who will work in those industries from which the business came from.

Congratulations to the following students from The University of Adelaide, who were awarded the following scholarships in 2016;

**Rowe Scientific Chemistry Scholarship**  
**Jake Andersen, Carly Hibble**

**Rowe Scientific Viticulture & Oenology Scholarship**  
**Victoria Schwarz, Jackson Jansz**



(Left Photo) From left to right are Carly Hibble, Jake Andersen, Doug McPhee (Rowe Scientific SA & NT manager) and Victoria Schwarz.  
(Right Photo) Jackson Jansz was unavailable for the group photo, being on a vacation job.

**Nordic Lab Freezers are now available at Rowe Scientific Ltd Pty**



**Email us for more info**

**SCIENCE TEACHERS ASSOCIATION OF TASMANIA TASMANIAN SCIENCE TALENT SEARCH PRESENTATION OF PRIZES. FOR 2016**



Congratulations to Lachlan Dick of Hellyer College, Burnie, Tasmania, who is this year's senior recipient of the *Rowe Scientific Most Promising Young Scientist of the year Award.*

Lachlan's Research is titled "Salinity Solutions". This is an investigation into the impacts of salinity on the growth rates and biomass of potato cultivators, given their known variation in salt tolerance and furthermore, into the capacity for salinity-prone soils to be remediated for further potato cropping.

Lachlan has been invited to represent Tasmania in the BHP Billiton Science and Engineering Awards and the Tasmanian Science Education community wishes him well.

Rowe Scientific also sponsored several other awards including Connor van der Ploeg of Marist Regional College, who was the 2016 Young Junior Scientist (years 7/8) with his entry titled "Bloomin' Algae", and Charlie Moss, Fergus Charles and Alex Titchen of the Hutchins School, who shared the most promising young scientist Award in the Intermediate Sections (years 9/10) with their collaborative research on "Increasing Wind Turbine Efficiency".

Other students, also supported by Rowe Scientific, conducted research in a wide variety of disciplines. [14 of them are shown below.]



**Recipients of the Rowe Scientific Awards:** Zach Torok (Rose Bay High); Thomas Young (Hutchins School); Thomas Durbabin (Hutchins School); Mene Farnum (Kingsford High); Isobel Kuo (St Mary's College); Fergus Charles (Hutchins School); Charlie Moss (Hutchins School); Eloise Deaconick (St Mary's College); Connor van der Ploeg (Marist College); Bronson Billing (Launceston Christian School) and Heather Russell (Wynyard High School).  
**Absent (exams):** Wrawuwi Chomkul (Hellyer College); Lucas Pilkington (Burnie High); Jennifer Wild (Burnie High); Maeve Grieve (Burnie High); Lachlan Dick (Hellyer College) & Alex Titchen (Hutchins School).

**Why Use GRADE Laboratory Stomacher Bags?**



- The bags are consistently reliable, robust and have a negligibly low failure rate.
- GRADE Products are a world leading quality brand of laboratory stomacher bags.
- The bags are easy to open and use.
- Over 40 years of manufacturing know-how makes the GRADE range successful.

**Find out more**

**2016 'ROWE SCIENTIFIC HDR CHEMISTRY SCHOLARSHIP' AT CURTIN UNIVERSITY.**

Congratulations to Mr Ben Austen, who was awarded the inaugural "Rowe Scientific HDR Chemistry Scholarship" for 2016. ("HDR" is "Higher Degree by Research", a PhD in Ben's case). In Ben's own words;

*"My name is Ben Austen and I am the proud recipient of the Rowe Scientific HDR Scholarship for 2016. I graduated with BSc Honours studying a Physics-Chemistry double major in 2015 and in 2016, began my PhD research under Professor Damien Arrigan at Curtin University's Nanochemistry Research Institute (NRI) in the Department of Chemistry.*

*The work involves a fundamental investigation of the interface between immiscible electrolyte solutions (ITIES) confined within nanoscale pores. Specifically, I will be using a combination of electrochemical techniques and atomic force microscopy (AFM) to characterise these small liquid-liquid interfaces. This work will progress the development of sensors as well as fundamental research outcomes."*



**Left to Right:** Professor Mark A. Buntine FRACI C Chem (Head/Department of Chemistry, School of Science, Faculty of Science and Engineering, Curtin University), Mr Ben Austen (scholarship recipient), Mr Reg Rowe FRACI C Chem MBA (MD of Rowe Scientific Pty Ltd) and Professor Chris Moran, Deputy Vice-Chancellor (Research) Curtin University.

**STATE NEWS**

**NEW SOUTH WALES**

A Year of Consolidation and Growth.

2016 will soon be consigned to history and in the annals of the Rowe Scientific business in NSW it will point to a year which delivered consolidation in the initial six months followed by strong growth which intensified as the year drew to a close.

In fact, the business continues to go through a major transformation as new customers in new industries are continually added and the business mix continues to change.

The growth has presented many challenges however I am very pleased by the manner in which the team has responded as we continued to grow the Rowe presence in NSW.

None of this would be possible without the support of a growing and loyal customer base and as we edge closer to the end of 2016 it is fitting to thank you one and all for your support throughout the year and to wish you and your families and friends a peaceful and relaxing Christmas and a New Year filled with good health and good fortune.

Best Wishes for the Christmas Season from the NSW team.

**QUEENSLAND**

Dear Clients,

As the year draws to a close we would like to thank all of our clients for your continued support.

We wish you and your loved ones a very Merry Christmas and a safe and Happy New Year.

It has been a year full of challenges and for many who are doing it tough we hope that the year ahead brings you good health and improved circumstances.

Reminder: We will be here to service your needs throughout the festive season and our office will only be closed for the gazetted public holidays.

Please contact us for any requirements you may have and keep in mind that delivery times often slow down as transport companies operate with skeleton crews over the Christmas/New Year period.

Cheers from the Queensland team: Yvonne Dive, Martin Bullock, Brian Bishop, Sean Wyatt, Josephine Cabagui, Leon Dive, John DeRuyter, Steve Taylor, Adam Bergman and Colin Silk.

**SOUTH AUSTRALIA & NORTHERN TERRITORY**

Greetings from the South Australian office.

I am sure many of us are looking forward to the warmer weather settling in. By the time you read this, many of our Winery Clients may have received the new 2016/17 Vintage Price List. There have been many new line additions to the catalogue this year. One of the biggest inclusions is the introduction of the Vintessential Enzyme test kits. If you don't have your copy, please call our office.

Thank you to all clients who stopped to share some morning tea with us at the CSIRO Land and Water campus. It was great for Daniel Giardi to have an opportunity to meet all of you.

Just a reminder to clients in the Adelaide market, we are your official Millipore Lab Water distributor. Please let us know what type of cartridge you need for your system and when you are due for one. We can also take care of any service or maintenance needs you may have.

All the best from,  
Doug, Steve, Mark, Michael, Daniel S, Paula, Goidy and Daniel G.

**VICTORIA & TASMANIA**

Dear Clients,

On behalf of all the team here in Victoria, as this year draws to a close, we thank you for your business and continued support and would like to wish all of you and your families a safe and Merry Christmas and a Happy New Year.

As in previous years, we remain open during the holiday season on all days except for public holidays. We would encourage you to look at your stock levels and consider a top up before manufacturers shut down for Christmas and freight companies have only skeleton crews.

For all our winery customers, this season's Vintage Catalogue will be in circulation soon and we look forward to helping you fill your requirements before and during this busy time.

Hope to hear from you soon.

Your team in Victoria,  
Garry, Mango, Nic, Daniel, Adam, Brian and Amanda

**WESTERN AUSTRALIA**

Greetings from the team in Perth.

This month we farewell Rudi Kapiteyn who many of you would have spoken to over the years. Rudi joined us in January 1996 as a Scientific Sales Consultant after having already been in the science industry for 29 years with Selby Scientific. Rudi retires as our Senior Product Group Manager with his clients being looked after by Padma Vara and his Product Manager duties being taken on by Phil Sherwood. We wish Rudi a long and happy retirement.

Our Administration Officer Paul Roberts has returned to work after parental leave. He and his wife Sharon are pleased to announce the birth of their first child Nicholas.

So as we lose a member of the Rowe Scientific family, so do we gain a new member, but we are always ready to take your calls either to take your order or to assist in determining exactly what it is you need to complete your work. We look forward to hearing from you.



Email: NSW & ACT | QLD | SA & NT | VIC & TAS | WA