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Contact the RACI WA Branch:
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ARBN: 102 726 429

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National Science Week Dinner 2017
18 August 2017

RACI WA Branch
National Science Week Dinner 2017
to celebrate Science Week,
present the 2017 Wilf Ewers Citation
and honour new life members

Friday 18th August, 6.30pm at the Bentley Pines Restaurant

The price below is for dinner only
(drinks not included) and seating is limited,
so please register ASAP to avoid disappointment.
- Members and Partners: $25
- Students (members): $20
- Non members: $35

Registration: Science week dinner register here

Chemistry news wanted!
The RACI WA Newsletter aims to inform WA chemists of relevant chemistry news.
If your company/organisation is moving, merging, expanding,
receiving awards, developing major new capabilities or anything else of interest to chemists, tell us.
Drop a line to raciwanewsletter@gmail.com and an item can be included
in the next Newsletter to let all chemists know.
**RACI Monthly Meetings**

Please come to the RACI Members Monthly Meeting. This is a great chance to meet fellow members and be entertained by guest speakers. **All welcome – membership is not a prerequisite to attendance (so please bring a friend).**

<table>
<thead>
<tr>
<th>Date: Usually 3rd Tuesday of every month</th>
<th>Time: From 5.30pm. Seminar/presentation commences at 6.15pm. Refreshments prior and at seminar conclusion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venue: Exhibition Area, Building 500, Curtin University</td>
<td>Cost: $5 charge to cover refreshments (limited drinks and snacks) (receipts can be provided)</td>
</tr>
<tr>
<td>RSVP: <a href="mailto:wabbranch@raci.org.au">wabbranch@raci.org.au</a> to assist with catering purposes Or register online (preferably by Friday before meeting)</td>
<td></td>
</tr>
</tbody>
</table>

**AUGUST 2017**

No Members Monthly Meeting. National Science Week Awards Dinner will be held Friday 18th August at the Bentley Pines Restaurant.

**SEPTEMBER 2017**

**Tues 19th**

50th Members Monthly Meeting
"What I Did on My Holidays - Scientific Artefacts in the Bowels of the World's Museums" - Alistair Day (Leco)

These days we associate museums, and especially science museums, with attracting and educating young people. But to the science enthusiast who's prepared to dig just a little, bits and pieces of the original equipment used by the giants of our profession are out there, waiting to be discovered.

[Sep_MMM_Register_Here](#)

**OCTOBER 2017**

**Thurs 12th**

Note different day (to fit with the international speaker’s timetable)

RACI WA AGM

"Aquatic biogeochemistry - Environmental drivers and analytical challenges” Paul Worsfold (Plymouth University)

To improve our understanding of the linkages between trace element biogeochemistry and aquatic processes, e.g. eutrophication, climate change, productivity and ocean circulation, and human health impacts a detailed knowledge of their distribution, sources, sinks and cycling is required. This presentation overviews the application of flow injection techniques to the determination of important trace elements, e.g. phosphorus, iron, cobalt, zinc, aluminium and plutonium, in marine and riverine waters. Shipboard and laboratory based strategies with spectrophotometric, luminescence and ICP-MS detection are discussed. The importance of quality assurance, including estimates of measurement uncertainty, is also considered.

[Oct_MMM_AGM_Register_Here](#)

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I am the beginning of the end, the end of time and space.
I am essential to creation and I surround every place.
What am I? (Answer bottom of page 6)
Join us for the 2017 RACI Chemistry Careers Night! Browse company stalls, meet industry professionals and hear our guest speakers.

The Exhibition Space, Building 500, Curtin University
August 28th 6:30pm

$5 entry (refreshments included)
RSVP to Ben Fletcher
0403 022 968 / ben.fletcher@raci.org.au
If you poison us, do we not die?

Professor Simon Lewis, Department of Chemistry & Curtin Institute for Functional Molecules and Interfaces, Curtin University

The use of poisons to carry out murder has a long and sordid history. The well known science author John Emsley has described analytical chemists as the “unsung heroes” of poisoning investigations. In this centenary year of the foundation of the Royal Australian Chemical Institute, join Curtin University’s Professor Simon Lewis as he gives an account of the history and science of analytical chemistry applied to forensic toxicology illustrated by some notorious poisoning cases.

Professor Simon Lewis BSc (Hons), PhD, CChem FRSC FRACi is Professor of Forensic and Analytical Chemistry at Curtin University where he teaches undergraduate analytical chemistry and forensic science. He leads the Forensic and Analytical Chemistry Research Group within the Curtin Institute of Functional Molecules and Interfaces and Department of Chemistry, Curtin University at Curtin, with his research interests focused on chemical techniques applied to forensic analysis. This research has been carried out with a number of forensic service providers including ChemCentre and the WA Police. Simon is currently the Chair of the RACI (WA) Branch Chemical Education Group and is enthusiastically involved in outreach, using forensic science and analytical chemistry as vehicles to engage children and the general public in science. He can be followed on Twitter @SimonWLevis.

Murdoch University, Rockingham Campus, Room 104.1.024 – Rockingham Lecture Theatre 1: 6:00 pm, Wednesday 16 August 2017

To book, visit https://raci_wa_natsciweek_2017.eventbrite.com.au
This public lecture is free but bookings are essential and places are limited. Please direct any enquiries to: Debbie Hoey, Kwinana Industries Council (Debbie.Hoey@kic.org.au) or Ben Fletcher, RACI WA Branch Coordinator (ben.fletcher@raci.org.au)

Follow RACI WA Chemical Education Group: www.facebook.com/RACIWACHEMEd

The RACI - what do you get for your membership dollar?

- Professional Recognition - use of the MRACI or FRACI post nominal which improves your professional status;
- Code of Ethics - establishes and maintains high standards;
- Knowledge - improves your efficiency and opportunity for promotion;
- Education - broadens your understanding;
- Professional Development activities keep you informed of current technologies, research and applications;
- RACI Publication *Chemistry in Australia* - keeps you current within the wider chemical community;
- Eligibility for The RACI National, Branch or Divisional awards: Achievement in these areas can enhance your CV;
- Access to a wide range of local functions for networking with colleagues from all sectors - improve your contacts and knowledge;
- Discounted registration to RACI lectures, functions and conferences;
- Special interest groups;
- Global Access - access to RACI network expands your access to others.

The RACI is actively promoting the value of professional qualifications to employers for consideration at employment, promotion and salary review occasions. In addition to professional qualifications, a magazine and professional development activities, The RACI offers Financial Members, a range of other incentives which are listed here www.raci.org.au/national/membership/benefits.html

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**Star light, star bright**  
**First star I see tonight**  
**I wish I may, I wish I might**  
**Oh wait, it’s just a satellite**  
**Q** Why do subatomic particles hate electrons?  
**A** Because they are so negative.
WILF EWERS AWARD 2017

Nominations from RACI (WA) members are now required for the W E Ewers Citation Award. The citation recognises contributions made to furthering the profession of chemistry. It is expected these contributions will normally be made by virtue of the nominee’s activities within and for the RACI Western Australian Branch. The Wilf Ewers citation is not meant to cover achievements in chemical science and technology since these are recognised by other RACI awards such as the H G Smith and Applied Research Medals.

Previous Wilf Ewers award winners are:
1990  Dr David Phillips, Curtin University (Editor, Branch Newsletter)
1991  Mrs Margaret Martin, Aquinas College (BYL activities)
1992  Mr Reg Wray, Wray Associates (WA Branch President)
1993  Mr Chris Dodd, CCWA (Analytical Chemistry Group activities)
1994  Mrs Jan Hosking, CSIRO (12AC/3EC Chair and organiser)
1995  Dr Armand Zurhaar, Zedcon Scientific Services (NCW activities)
1996  Mr Harry Douglas, E&DG Consultancy (WA Branch Coordinator)
1997  Professor Mel Sargent, UWA Chemistry Dept. (SAC Chair for WA)
1998  Mr Ian Sills, Curtin University (Chair, Analytical Chemistry Group)
1999  Dr Steve Errington, Curtin University (WA Branch activities)
2000  Mr Roger Schulz, CCWA (Health, Safety & Environmental activities)
2001  Dr Mauro Mocerino, Curtin University (Chair Chem. Ed. Group)
2002  Mr Stewart Jones, Aust. Govt Analytical Labs (WA Branch activities)
2003  Mrs Oana Chirila, Aust. Govt Analytical Labs (WA Branch activities)
2004  Mr Peter McCafferty, CCWA (WA Branch activities)
2005  Mr Mike Rowe, Dept of Industry and Resources (Services to the WA Branch)
2006  Dr Paula McLay, National Measurement Institute (Branch Newsletter Editor)
2007  Mr Rick Staker, SGS Australia Pty Ltd (Chair, Analytical Chemistry Group)
2008  Mr Reg Rowe, Rowe Scientific Pty Ltd. (WA Branch Committee, Treasurer, Sponsor)
2009  Mr Kelvin Lord, Lord & Co (WA Branch Committee, Treasurer, Sponsor)
2010  (not awarded)
2011  Dr Maree Baddock - St Hilda’s Anglican School for Girls (Chemical Ed Group activities)
2012  Dr Kathryn Linge, Curtin Uni (WA Branch Activities)
2013  Mr Shane Koenig, Nufarm (WA Branch Activities)
2014  Professor Simon Lewis – Curtin Uni (WA Branch & Chemical Education Group activities)
2015  Mr Peter Anstis, NMI (Analytical Chemistry Group)
2016  (not awarded)

Nominations must be submitted to the RACI WA Coordinator, wabranch@raci.org.au, before COB Friday, 21 July 2017. All nominations will be considered by a selection committee consisting of the Past President, current President and two non-Branch Council RACI members. The award is a cheque for $250 and an official scroll which will be presented at the National Science Week Dinner on 18th August 2017.

Chemistry in Australia online
Did you know you can read Chemistry in Australia online?
Find a free pdf of each month’s full issue here:

Answer to puzzle on page 2: The letter E
The 2017 WA Titration Stakes Competition was held in the labs of the Department of Chemistry at Curtin University on the evening of 20 June. Over 70 teams from 31 schools from across Perth and surrounding regions took part. As always, the standard was very high, with very little separating the top teams which were:

<table>
<thead>
<tr>
<th>Rank</th>
<th>Team Name</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Carey Baptist College Team 3</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>La Salle College Team 2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Guildford Grammar School Team 2</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>Helena College Team 2</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Sacred Heart College Team 3</td>
<td>3</td>
</tr>
</tbody>
</table>

The top 15 teams will now go forward to the National Titration Stakes Challenge, the WA leg of which will take place later in the year at Murdoch University.

The Titration Stakes is only possible due to the hard work of the volunteers: Associate Professor Mauro Mocerino, Dr Maree Baddock, Suzanne Ahern, Dr Alison Blyth, Matthew Boon, Rhiannon Boseley, Emily Byrne, Rhys Carter, Ron Fernandez, Natalya Garcia, Dr Mark Hackett, Karina Khambatta, Dr Brenda Rohl, Aswin Rajagopalan, Dr Georgina Sauzier, Sorour Shahbazi, Zuo Tong How.

We would like to thank Prof Mark Ogden and staff of the Department of Chemistry Curtin University for providing the lab space and preparing all of the solutions required on the night: Dr Kirsty Blyth, Robert Herman, Tomoko Radomirovic, Edi Twiss, Dr Ching Yong Goh and Joyce Wong.

We also extend our gratitude to Colin Priddis (ChemCentre) for presenting the trophies to the winning teams.

The Titration Stakes is supported by Curtin University and ChemCentre.

A selection of photographs of the action on the night:

Simon Lewis, FRACI
The Bayliss Youth Lecturer for 2018 will be Dr Tristan Clemons. After completing a BSc (Nanotechnology) (Hons) Degree at Curtin University, Tristan completed his PhD studies in 2014 as a part of the BioNano research group led by Iyer Swaminathan at the University of Western Australia. Tristan was successful in obtaining a NHMRC Peter Doherty Australian Biomedical Research Fellowship which he begun in late 2014 investigating nano applications for wound healing and scar treatments. His research interests focus on targeted nanoparticle delivery of therapeutics for a range of diseases including scarring, heart disease and cancer.

Tristan is also a keen hockey player and is a member of the Australian Mens Hockey Squad, the Kookaburras. He has represented his nation on a number of occasions at tournaments both here in Australia and abroad and has also recently played in the professional Hockey India League for the Punjab Warriors. In 2018 Tristan will not only be focussing on the Bayliss Lecture series but will also be aiming to gain selection to attend the Commonwealth Games in April on the Gold Coast.

Tristan can be followed on Twitter @clemo_11.
RACI ANNUAL WA BRANCH COMMITTEE ELECTIONS

Nominations are invited for the following positions on the RACI Western Australian Branch Committee for the year 2017/2018: PRESIDENT, VICE PRESIDENT, HON SECRETARY, HON TREASURER, AND FOUR BRANCH COMMITTEE MEMBERS.

Nominations are also invited for the positions of:
Chair (Ex Officio Branch Committee member), Secretary, Treasurer and Committee Members for the following Groups: Analytical Chemistry; Chemical Education; Management and Career Development.

A candidate for the Branch Committee must be nominated by two Corporate Members and indicate her/his willingness to accept office by signing as nominee on the nomination form below. Nomination forms can be emailed to wabranch@raci.org.au by Friday 29th September 2017.

(Please detach here)

WA NOMINATIONS FOR 2017/2018 BRANCH COMMITTEE

BRANCH COMMITTEE MEMBERS AND EX-OFFICIO MEMBER GROUPS – ANALYTICAL CHEMISTRY; CHEMICAL EDUCATION; MANAGEMENT AND CAREER DEVELOPMENT.

We,..................................................................................(Member/Fellow)
and.....................................................................................…....(Member/Fellow)

hereby nominate.................................................................………........................
for the position of..........................................................………............................
(specify office)

for the 2017/2018..... WA Branch Committee...or.........................Group
(if not Branch, specify Group)

........................................................................
(Signature of Nominators)

........................................................................
(Signature of Nominators)

I consent to this nomination ............................................................……………..
(Signature of Nominee)

Date: ...........................................
Congratulations to Dr Dino Spagnoli, who is a Lecturer and Coordinator of First Year Studies in Chemistry and Biochemistry at UWA (on the left in photo), for winning the UWA Faculty of Science Excellence in Coursework Teaching (Level 1) award for 2016.

(If you are wondering, our Bayliss Speaker for 2018, Dr Tristan Clemons was the speaker at the recent awards breakfast where Dino recived his award.)

Our branch president Annette Larwood was also at the same breakfast presenting the Royal Australian Chemical Institute Prize in Chemistry to Nicholas Sokolich.

Congratulations to Dr Alexandra Yeung and Dr Alan Payne on the occasion of their wedding, which was held at the Fremantle Maritime Museum on Saturday 21 May.
The optimist sees the glass half full.
The pessimist sees the glass half empty.
The chemist sees the glass completely full, half in the liquid state and half in the vapor state.

A Higgs Boson particle walks into a church, and the priest asks "Why did you come?"
Boson replies "Are you kidding? You can't have mass without me!"

A biologist, a chemist, and a statistician are out hunting.
The biologist shoots at a deer and misses 5 feet to the left.
The chemist takes a shot and misses 5 feet to the right.
The statistician yells, Yes! We got 'em!

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E-MAIL ADVERTISING RATES

Three-quarters of the total RACI WA Branch membership and Environmentalists (totalling about 500 of a select and highly targeted group) are registered to receive e-mail notices from the Branch Committee. Those RACI members who have a need to circulate an urgent message or advertisement of general interest to WA Branch members can request approval (wabranch@raci.org.au) to have the advert (sans attachment) circulated free of charge. If the advert is of a revenue producing nature then a charge of $120 +GST will be made.

NEWSLETTER ADVERTISING RATES

SINGLE ADVERTISEMENT: $120 +GST for one-quarter A4 page, $160 +GST for one-third A4 page, and multiples thereof, for print ready artwork or a print ready MS Word file.

MULTIPLE ADVERTISEMENTS: for three or more consecutive newsletter issues, a discount of 25% applies.

PAYMENT for all issues must be made in advance and within 7 days of receipt of invoice.

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Branch Newsletter Deadlines For 2017

<table>
<thead>
<tr>
<th>Month of Journal</th>
<th>Deadline Date</th>
<th>Deadline is close of business (5 pm) on the nominated dates. Please submit all articles to <a href="mailto:raciwane_newsletter@gmail.com">raciwane_newsletter@gmail.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>September</td>
<td>Fri 25 August</td>
<td></td>
</tr>
<tr>
<td>October</td>
<td>Fri 22 September</td>
<td></td>
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