WA BRANCH ANNUAL MEMBERS’ DINNER

Friday, 5th November 2010

Waterwall Function Room, Esplanade River Suites
112 Melville Parade, Como

The Evening will incorporate the AGM and the presentation of Membership and Long Service Awards. The winner of the Alton McAllan Batty Medal will present the after-dinner speech.

7pm Registration and pre-dinner drinks, 7.30pm AGM and 7:45 - 10:30 pm Dinner
Registration and pre-dinner drinks, subsidised by RACI WA.

Tickets: $65 member and partner, $50 student or retiree, $80 non-members
Please reply to Cath Miller, by Friday 29th October 2010

fax: 6210 1675 or e-mail: wabbranch@raci.org.au
POSITION DESCRIPTION
THE RACI WA BRANCH COORDINATOR

Title: Branch Coordinator Part-time
Reports to: State Branch President
Hours: Maximum of 20 hours per week dependent on the Branch requirements

The Royal Australian Chemical Institute Inc. (the RACI) is the qualifying body in Australia for professional chemists and a learned society promoting the science and practice of chemistry. The State Branch Coordinator is required to assist in the management and coordination of activities of the Branch, Groups and Sections.

The role of the RACI Branch Coordinator:
• Maintain a high level of service to the RACI membership;
• Promote, encourage and recruit members;
• Disseminate information via the newsletter, email, webpage;
• Liaise with the Branch, Group and Section Committees and the National Office;
• Undertake tasks as directed by the Branch President.

Branch Coordinator Duties may include:
Branch Committee Meetings and Annual General Meeting (AGM)
• Attend meetings including Branch Committee and AGM;
• Prepare agendas, compile reports including financial, take minutes at meetings;
• Ensure implementation of decisions in actions from minutes.

Financial
• Process monies for meetings and functions and balance the accounts;
• Prepare annual budget with the Branch Treasurer;
• Prepare and send invoices as required;
• Prepare statements of income and expenditure and bank reconciliation for the annual Branch audit.

Newsletter
• Organise content for the Branch Newsletter;
• Liaise with Groups, Sections, affiliated bodies and societies that supply material for the Newsletter.

Educational Activities
• Provide support for social and professional activities of the Branch, Groups and Sections;
• Coordinate activities to encourage students to study chemistry;
• Promote activities to enhance the understanding of chemistry to members, students and the general public.

Selection Criteria:
• Demonstrated high level of administrative and organisational skills with the ability to assign priorities to tasks and meet regular deadlines;
• Excellent interpersonal skills and communication skills both oral and written;
• Competency in word processing packages, the use of spreadsheets and financial statements;
• Ability to work independently with flexible working hours;
• A relevant tertiary qualification in chemistry or a related field is desirable but not essential;
• Competency with database and desktop publishing packages and event management is desirable;
• A detailed knowledge and understanding of the external and internal environment in which the RACI operates is desirable.

Salary:
The RACI shall pay the employee a salary in the range of $21 to $25 per hour plus superannuation of 9% subject to required duties, qualifications and experience.

Hours of duty:
This is a part-time position working up to 20 hours per week dependent on the Branch requirements. The position will report to the State Branch President.

Location:
The Branch Coordinator will work from home.

Contact:
For further information about the position please contact the WA Branch Coordinator at wabranch@raci.org.au or the Branch President paul@enviroskill.com.au

Closing date: Monday 6th September 2010
2010 Chemistry Careers Night

presented by
The Royal Australian Chemical Institute (RACI) WA
Management & Career Development Group
& Tertiary Chemistry Group

- Hear presentations from real chemists
- Discuss your options with industry representatives

This night is organised for tertiary students, studying chemistry at an advanced level, looking to explore the options available for a professional chemist on graduation.

Monday 6th September 2010  6.30 - 9.00pm
The Metro Hotel
61 Canning Hwy South Perth
$5 entry pp – Limited bar tab (cash bar available) and cocktail food supplied.

For more information please contact:
Alan Altham – RACI Tertiary Student Representative on 0435 530 527
RSVP to david.udy@evolvestcientific.com.au to book your place.

Major Sponsor
Evolve Scientific Recruitment
NATIONAL CHEMISTRY WEEK DINNER AND AWARDS NIGHT

Friday 23rd July, Stirling Room, Parmelia Hilton

Paul van der Beeke, President, RACI WA Branch, thanking Richard Meagher for his speech entitled “Art is I; Science is We”. Richard Meagher is a Senior Chemistry and Physics Teacher, Mt Lawley Senior High School and Science Educator of the Year.

Paul van der Beeke and Phil Jack after receiving his honorary Life Membership after over 50 years of membership.

Paul van der Beeke presenting Peter Pearson with the Walker Sponsored Door Prize.
The Analytical Chemistry Group is presenting a one-day seminar:

**What’s New in Laboratory Instrumentation**

*How up to date are you on the latest laboratory instruments?*
*Instrument manufacturers are presenting the latest innovations and developments.*
*Free Show Bag for all registered attendees.*

**Date:** Wednesday 22nd September  
**Time:** 9:00 am to 4:00 pm  
**Where:** Theatrette, Australian Resources Research Centre (ARRC)  
26 Dick Perry Avenue,  
Kensington, WA, 6151.  
**Cost:** This seminar is free as it is sponsored  
(but registration is necessary for catering purposes)  
The closing date for registration is the 15th September.

To register please e-mail secretary_acg@raciwa.org or call Peter Anstis (08) 9368 8421.  
Note that vegetarians are automatically catered for but we will need to be notified of any additional dietary requirements (such as gluten free).
The Alton McAllan Batty Medal for 2010

Nominations from RACI (WA) members are now required for the Alton McAllan Batty Medal. The award is made not more frequently than biennially to a member of the Western Australian Branch who has made an outstanding contribution to chemistry, in particular to the field of chemistry applied to industry, commerce, the environment or to the quality of human life.

Other awards made by the RACI are mostly oriented to those who have an academic role in the profession. The conditions of these awards are heavily weighted towards members in CSIRO and universities who have the opportunity to publish much of their research contributions. The intent of the Alton McAllan Batty award is therefore to recognise members of the RACI who have not had similar opportunities to publish their work.

CSBP & Farmers Ltd are acknowledged as having made a substantial contribution to the establishment of the medal in 1978. Alton McAllan (Bill) Batty died in 1984.

Previous medal winners are:
1978  Mr A McAllan Batty (CSBP/WAWA)
1980  Mr B Becher (Government Chemical Laboratories)
1982  Mr D T Rigden (BP Refinery/Clean Air Committee)
1984  No Award.
1986  Mr C W Hastie (Western Mining Corporation)
1988  Dr D Koch (CSIRO Division of Mineral Products)
1990  Mr K Thomson (CSBP)
1992  Dr D K Philp (Tiwest Joint Venture)
1994  Mr L C Stonehouse (Alcoa Australia Ltd)
1996  No Award.
1997  Dr G P Power (Alcoa Australia Ltd)
1999  Dr I D MacLeod (WA Maritime Museum)
2001  Dr J E Wajon (Kellogg Brown and Root)
2003  No Award.
2004  Dr Barry Chesson (Alcoa Australia Ltd)
2006  Mr C Eldridge (Ultra Trace Pty Ltd)
2008  Mr Paul Bannister (Ultra Trace Pty Ltd)

Nominations must be in writing and are to include a CV and background information indicating the candidate’s major contributions. Nominations must be submitted to the Hon Secretary, RACI (WA Branch), PO Box 421, Leederville WA 6903, before COB Friday, 1st October 2010.

Chemistry Jokes:
- A neutron walks into a restaurant and orders a couple of cokes. As she is about to leave, she asks the waiter how much she owes. The waiter replies, “For you, No charge!!!”
- A sign outside the chemistry hotel reads “Great Day Rates, Even Better NO3-’s”
- Why does hamburger have lower energy than steak? Because it’s in the ground state.
- Why are chemists great for solving problems? They have all the solutions.
- Did you hear about the chemist who was reading a book about Helium? He just couldn’t put it down.
- What did the Cowboy Chemist tell his horse? HIO Ag!!!!
- If H2O is water what is H2O4? Drinking, bathing, washing, swimming . . .
- All that glitters is not gold, but at least it contains free electrons.
- Not all chemicals are bad. For instance, without hydrogen and oxygen we cannot make water, an essential ingredient in beer.
IT’S BACK!!
BIGGER AND BETTER THAN EVER!!

The

2010 RACI “HACKERS” GOLF DAY

1pm Tuesday October 19th
At
HILLVIEW GOLF COURSE

$60 gets you nine holes, golf cart and a BBQ

As usual, severe penalties apply to those exhibiting proper dress, equipment or any skill whatsoever!!

Places are limited, so please register your interest ASAP!!

Secretary acg@raciwa.org  9368 8421

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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
Brain Break Morning Tea for National Science Week

The Management & Career Development Group entered the spirit of National Science Week by hosting a “Brain Break” at the Resources & Chemistry Precinct on 18th August. Around thirty people attended the event, with the focus being on the Chemistry Program at Curtin University and how the modern facilities at the new precinct are facilitating the development of the chemists of the future.

The attendees were greeted with morning tea provided from the Fusion Coffee Shop and the networking was spirited, as new and old acquaintances were formed and renewed. Moving into the formal presentation area, Professor Mark Ogden, Director of the Nanochemistry Institute and Professor of Chemistry spoke to the group about the current direction of chemistry teaching and how the modern chemistry degrees are structured. With an increased industry focus, coupled with teaching and research laboratories that would rival any in the country, students studying at Curtin have everything they need to become the next generation of chemistry professionals in Australia.

Dr Peter Sheppard, Infrastructure Planning Manager from the School of Science and Engineering, discussed the planning, building and managing of a multi-faceted scientific precinct. Planned back in 2004 and completed in 2009 the Resources & Chemistry Precinct is now home to around 200 scientific and support staff from Curtin University and ChemCentre. The overriding design requirement for the precinct was to provide a safe working environment for all staff and students, and nothing has been spared to ensure this is the case. Apart from state of the art instruments and equipment the precinct also boasts a central meeting hub with a modern and up-market coffee shop on site.

Dr Sheppard then led the group on a tour of the Curtin teaching laboratories, highlighting the modern appointments and safety features that make the laboratories state of the art. The level of interest was high and the feedback from the attendees was that the event had been highly interesting and worthwhile.

Our thanks go to the staff from Curtin University and the Resources & Chemistry Precinct who helped to organise and run the event.

David Udy
DAVID KOCH POSTGRADUATE STUDENT TRAVEL GRANT

awarded by
RACI Western Australian Branch

The RACI Western Australian branch invites applications for the annual David Koch Postgraduate Student Travel Grant. The award, up to a maximum value of $3000, is available to Honours, Masters and PhD students in WA with the purpose of sponsoring national or international travel to an approved conference. The successful applicant will be required to write a report on the conference for the RACI WA Branch Newsletter. Applications close on **Friday 25th February 2011**. Application forms are available from the RACI WA Branch Coordinator (wabranch@raci.org.au or PO Box 421 Leederville WA 6903). Applications will be evaluated by Dr Phillip Fawell, CSIRO Process Science and Engineering and Dr Harry Linge, Past Chair of the RACI Surface Science Group.

To be considered eligible:

1. The student must present either a talk or a poster. Oral papers will be given precedence.
2. The research must fall within the remit of the RACI.
3. The student must be a member of the RACI (Associate RACI membership is $70) and be enrolled at a WA-based Institution.

**Background to the Award**

The David Koch Postgraduate Student Travel Award has been offered annually to WA students since 1994. Whilst initially focusing on surface science and physical chemistry, the award has recently been opened to all students undertaking pure or applied chemistry-based research.

The David Koch Postgraduate Student Travel Grant commemorates the late Dr David Koch, former Chief of Mineral Chemistry, who initiated the move of CSIRO from Melbourne to Perth in 1984 and fostered and supported WA-based co-operative research in Hydrometallurgy and other related sciences. He is also commemorated by the Koch Building at the CSIRO Waterford site, adjacent to the Curtin University Resources and Chemistry Precinct.

The award is made possible by the efforts of RACI WA Branch Surface Science Group, which was formed in 1984 when members of the then CSIRO Division of Mineral Chemistry relocated from Melbourne to Perth to form the nucleus of what is now CSIRO Process Science and Engineering at Curtin University. Surface Science was the key expert area underpinning much of the early hydrometallurgical/mineral processing/mineral science work of CSIRO and the group coordinated contact with staff at Curtin University, WASM, Murdoch and UWA and held annual conferences to facilitate technology transfer and student participation in research.
Media Release: Major new glass reprocessing plant opened with State support

Glass recycling got a major boost in Western Australia with the launch of a new reprocessing plant, the first of its kind in the State, in Kewdale. In opening the new Colmax Glass facility on 26th August during Keep Australia Beautiful Week, Environment Minister Donna Faragher said it was a positive step to managing waste and increasing recycling rates. “This state-of-the-art complex transforms glass into high-value products suitable for a variety of practical uses, including bottle manufacture; insulation bats; surface coatings for road markings and swimming pools; blasting abrasives; filtration; and cement additives,” Mrs Faragher said. “The plant will initially divert 20,000 tonnes of glass each year, increasing to about 40,000 annually when fully operational, equivalent to 100-250 million glass jars taken out of landfill. “This significant project is co-funded by the State Government which contributed $1.95 million through the WA Waste Authority. Industry through the National Packaging Covenant and Colmax Glass contributed the balance of the $5.4 million project.”

The Minister said the new plant would crush and clean waste glass which was previously sent interstate for processing. “Before this plant was built, glass had to be transported to South Australia for processing and the transport costs and the fact that some of the material was not clean enough to be recycled meant much was simply placed in landfill,” she said. Glass has an estimated life of one million years, is perfectly suited to recycling and may be recycled many times without loss of quality. Recycling a single glass jar saves enough energy to light a bulb for four hours.

Media Release: CSIRO grants global license for new polymer technology

CSIRO recently signed a global licensing agreement for its patented RAFT technology. Reversible Addition-Fragmentation chain Transfer (or RAFT) technology is an elegant and powerful polymerisation process that has given rise to a new branch of polymer chemistry. RAFT enables the development of very complex molecules that can be used for a wide range of products. The technology is already generating major improvements in the areas of coatings and paints, electroactive materials, fuel additives, biomaterials, polymer synthesis, personal care, drug delivery agents and car components. About 3200 papers have been published on RAFT developments, coupled with over 200 patents granted to research and commercial institutions globally.

CONFERENCES

• **Chemeca 2010** (Adelaide 26-29 September 2010)
  [www.chemeca2010.com](http://www.chemeca2010.com)

• **Australian Association for Environmental Education (AAEE) Conference: Leading Change - Living for One Planet**, will be held at the **Australian National University (ANU) 27-30 Sept 2010**. Confirmed speakers include Carmen Lawrence, Tim Flannery, Clive Hamilton, Greg Bourne (CEO WWF). Further information about the conference and call for papers can be found at: [https://www.conferenceco.com.au/aae/Abstract_Submission_Information.asp](https://www.conferenceco.com.au/aae/Abstract_Submission_Information.asp)
CALENDAR OF EVENTS FOR 2010
Presented by Rowe Scientific Pty Ltd
www.rowe.com.au

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<td>06.09.2010</td>
<td>Student Career's Night</td>
<td>Metro Inn, Como</td>
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<td>22.09.2010</td>
<td>What's New in Lab Instrumentation</td>
<td>Held at NMI, Kensington</td>
<td>AC Group</td>
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<td>12.10.2010</td>
<td>Branch Committee Meeting</td>
<td>Held at NMI, Kensington</td>
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<td>19.10.2010</td>
<td>Hackers Golf Afternoon</td>
<td>In conjunction with M&amp;CD Group, Hillview Golf Course,</td>
<td>AC Group</td>
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<td>05.11.2010</td>
<td>AGM &amp; Symposium Dinner</td>
<td>Esplanade River Suites, Como</td>
<td>WA Branch RACI</td>
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<tr>
<td>13.11.2010</td>
<td>National Assembly Meeting</td>
<td>Held at Holiday Inn, Melbourne</td>
<td>National Office</td>
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Enquiries to: Cath Miller: Phone: 0416 289 075, e-mail: wabranch@raci.org.au

How chemists do it...

- Chemists do it reactively.
- Chemists do it in test tubes.
- Chemists do it in equilibrium.
- Chemists do it in the fume hood.
- Chemists do it in an excited state.
- Chemists do it periodically on the table.
- Chemists do it organically and inorganically.
- Electrochemists do it with greater potential.
- Polymer chemists do it in chains.
- Pharmaceutical chemists do it with drugs.
- Analytical chemists do it with precision and accuracy.

E-MAIL ADVERTISING RATES

Three-quarters of the total RACI WA Branch membership and Environmentalists (totalling about 700 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 the following charges apply:

ADVERTISEMENT WITHOUT ATTACHMENT, i.e. the message is contained within the body of the e-mail, a charge of $120 +GST will be made.

ADVERTISEMENT WITHIN AN ATTACHMENT, i.e. the message is contained in an attachment to the e-mail, a charge of $167 +GST will be made.

PAYMENT for advertisements must be made within 7 days of receipt of invoice.

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.

Branch Newsletter Deadlines For 2010

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<td>October</td>
<td>Fri 24 September</td>
<td>Deadline is close of business (5 pm) on the nominated dates. All articles must be in MS Word. PC format preferred. Please submit all articles to <a href="mailto:paula.mclay@measurement.gov.au">paula.mclay@measurement.gov.au</a></td>
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<tr>
<td>November</td>
<td>Fri 22 October</td>
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