



## WEEKLY "E" NEWS- from the RACI NSW 8th August 2008

Dear NSW RACI readers

Below are this week's announcements from the RACI NSW Branch, a summary is given and then scroll down for the full text.

### **RACI PHARMACEUTICAL SCIENCE GROUP (NSW) AUDIT PRACTICES AND REQUIREMENTS**

**Seminar:** 3 September, 2008 North Ryde RSL - Magdala Rd North Ryde

**Live Futures 2020: A World of Possibility** Join us on Sunday August 17 at Newtown Square (corner of King Street and Enmore Road opposite Newtown Station) in Sydney. A one-day festival to explore the future. RACI NSW will be taking part of the event – with a stand, our Marvelous Molecules display, and a showcase of winning Crystal Competition entries!

**Science Week has Begun** So What? I hear many of you say – but for those saw the front page of today's telegraph may start of comprehend what an opportunity Science Week can be for us. The article also announces the winning entry for our Suggest a Significant molecule challenge.....

**Members in the media** Listeners of ABC 702 this week informed our branch they were excited when they heard one of our members on the Air Ways (Tuesday). Dr Graham Trout (RACI Fellow) from the NMI and Australian Sports Drug Testing Laboratory was interviewed to explain the some aspects of testing athlete's blood samples.

**NSW Branch AGM – Sept 10 UNSW School of Chemistry** We will be trying to keep the formalities to a minimum for the AGM part of the evening. Rather it will be a night to celebrate the induction of some New Fellows to the institute, present some awards to for some outstanding contributions this year, and catch up on what the different groups and sections have done this year.

**NSW Branch AGM and Call for Nominations** If you wish to nominate someone as an office bearer (Secretary, Treasurer, etc), or committee member please contact the branch office [RACINSW@chem.unsw.edu.au](mailto:RACINSW@chem.unsw.edu.au) and a nomination form will be sent. We welcome new members to nominate, and all members to consider how they may get involved!

**Industrial Chemistry Division AGM at Chemeca 2008** The Industrial Chemistry Division will be holding its Annual General Meeting (AGM) Tuesday 30th September at the Chemeca Conference.

**23rd RACI Organic Division Conference, ORGANIC 08,** Hobart, Tasmania 7 – 12 December 2008 Early bird registration and *abstracts close 31st August*. Register online at <http://www.organic08.org/>

**NSW RACI and Science Week 2008!** The NSW branch will be out and about during Science Week appearing at two major events exhibiting the our involvement in Australia's Chemistry community and stimulating the wider community to consider that Chemicals are all around us through our Marvellous Molecules Activities. **Sunday August 17th- Live Futures 2020: A World of Possibility & Saturday August 30th- Ultimo Science Festival**

**ACROSS Symposium on Advances in Separation Science** Hobart, Tasmania, Australia, **8-10th of December 2008**. The conference website (<http://www.across.utas.edu.au/ASASS>) contains more detailed information on the conference including registration details.

*Deadline for next weeks edition is 5pm **Thursday Aug 21** We welcome all article suggestions and ideas*

**13<sup>th</sup> Annual RACI vs ASCC Golf Challenge 2008** at CARNARVON GOLF CLUB Nottinghill Road LIDCOMBE Wed 22<sup>nd</sup> Oct

**Chemistry Related Science Week activities of interest.** Many of you may be aware that the RACI has been actively involved in preparations for Science Week Activities in NSW this year, with representation on the National Science Week Committee and the two events we are taking part of as a branch. This article will highlight some events that are chemistry related (although not official RACI events). (Page 9-10)

**16<sup>th</sup> RACI R&D Topics conference** Macquarie University Saturday, December 6 - Tuesday, December 9 **The call for Poster and Oral Presentations has now gone out – Abstract Submissions will be accepted until Sept 15**

**Website of the Week:** This week we look at **Catchment Detox Sims**. This week's website was suggested on the ABC Science Webring. As a part of Science Week 2008, The ABC, CSIRO and the eWater CRC have developed an online sim to do with catchment management. It is designed for both students and members of the general public - and well worth a look. <http://catchmentdetox.net.au/>

**WATOC 2008:** Eighth Triennial Congress of the World Association of Theoretical and Computational Chemists Sydney, Sept 14-19

**Missed an edition of our weekly E-News?** We now have an archive of old editions! Please see

<http://www.chem.unsw.edu.au/RACI/News.html>

**RACI Electrochemistry Symposium: New materials and New Methods in Electrochemistry** Nov 27-28 @ UNSW

**NSW RACI Organic Symposium 2008** Location: School of Chemistry, University of Sydney, NSW 2006 Date: Wednesday December 3<sup>rd</sup>

**RACI NSW NATURAL PRODUCTS CHEMISTRY GROUP ANNUAL ONE-DAY SYMPOSIUM** Southern Cross University, Lismore, NSW, Friday, 3<sup>rd</sup> October 2008

**Its here!!! The New 2008/2009 Entertainment Book has arrived:** This book has been an important fundraiser for our branch the last few years. Purchase your brand new 2008/2009 Entertainment™ Book *now*

**Important Dates in Chemistry's History Aug 14-21** *Celebrate this week the pioneers of the periodic table and the birthday of a noble prizewinner*

**Please scroll down for further details.....**

*Deadline for next weeks edition is 5pm **Thursday Aug 21** We welcome all article suggestions and ideas*



## RACI PHARMACEUTICAL SCIENCE GROUP (NSW)

### AUDIT PRACTICES AND REQUIREMENTS

3 September, 2008

North Ryde RSL - Magdala Rd North Ryde

Self and external audits are integral tools of Quality Management in the manufacture, testing and release for sale of therapeutic goods. Compliance with GMP for initial and on-going licensing purposes is demonstrated by regular auditing by an Authority.

Speakers from different Authorities and the therapeutic goods manufacturing industry will present on the many aspects of the conduct and outcomes of auditing from both an auditor's and auditee's viewpoints and concerns.

#### PROGRAM

- 12.30 - 1.00 Registration
- 1.00 – 1.10 Chairman's Introduction  
*Mr Bruce Graham*
- 1.10 – 2.10 Common deficiencies observed in GMP inspections  
*Dr Andrzej Wozniak, Acting Chief Inspector, Office of Manufacturing Quality, TGA*
- 2.10 – 2.45 Audits of Veterinary Manufacturing Plants and Test Laboratories  
*Dr Bruce Johnson, Manager, Quality Assurance, GMP Section, APVMA*
- 2.45 – 3.15 Developing an Internal Audit Program  
*Mr Chris Hobson, QA Manager, GlaxoSmithKline Australia*
- 3.15 – 3.45 Afternoon Tea
- 3.45 – 4.15 Overseas Raw Material Manufacturers – On-site or desk audits?  
*Mr Peter Kissane, Quality & Technical Director, Lipa Pharmaceuticals Ltd.*
- 4.15 – 4.45 Surviving with Various Authorities and Client's Audits and Requirements  
*Mr Philip Elliott, Quality Manager, IDT*
- 4.45 – 5.15 Adverse Audit – Legal Implications to a Company  
TBA **ASIC**
- 5.15 – 5.45 Questions & Discussion
- 5.45 Dinner and drinks

*Deadline for next weeks edition is 5pm **Thursday Aug 21** We welcome all article suggestions and ideas*

# RACI Pharmaceutical Science Group – NSW



## GMP AUDITS 3 September 2008

### North Ryde RSL - Magdala Rd North Ryde

**Enquiries for Payment/Registrations Edwina Hine: 02 9663 4960 Fax: 02 9385 6141 or RACINSW@chem.unsw.edu.au**

For further information regarding the seminar, please contact David Edmonds at [dedmonds@peptech.com](mailto:dedmonds@peptech.com), or Jurgen Lindner at [Jurgen.Lindner@novogen.com](mailto:Jurgen.Lindner@novogen.com)

GST Inclusive **\$110.00** RACI Members  
GST Inclusive **\$145.00** Non RACI Members  
Cost includes both Seminar and Dinner

**Payment Options** – Cheques are preferred, Registrations close 28 August 2008

### TAX Invoice/Receipt ABN: 69 030 287 244

Title	Print First Name	Print Surname	RACI Member No.	Print Organisation ----- Print E-mail Address & Phone Number

Total Amount Payable: \$ \_\_\_\_\_  
Cheque Bankcard MasterCard Visa Amex

Cardholder Name: \_\_\_\_\_

Card Number: \_\_\_\_\_

Expiry Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Signature of cardholder: \_\_\_\_\_

or Please forward your cheque in Australian Dollars payable to **RACI**, along with this completed form to RACI (NSW), School of Chemistry UNSW Sydney 2052.

*Deadline for next weeks edition is 5pm **Thursday Aug 21** We welcome all article suggestions and ideas*

## Live Futures 2020: A World of Possibility

Join us on Sunday August 17 at Newtown Square (corner of King Street and Enmore Road opposite Newtown Station) in Sydney. A one-day festival to explore the future.

Explore the future with young people, futurists, climate experts, scientists, artists, designers, technologists, film-makers, performers. Create the future together. Workshops, interactive forums, exploration and expression spaces.

What kind of future do you want to live in? How will current technologies develop sustainable futures for all the world's people. What do nanotech, biotech, robotics and artificial intelligence really offer? How do these help us solve health, food, climate challenges, water and other resources and sustainability?

Explore virtual worlds Second Life and Vastpark. Design collaboration spaces for Global Youth Futures in Vastpark and be the first to populate it.

Hear from experts, futurists and artists coming in from all around the world into Jokaydia Island in Second Life. Pose questions and challenges.

Explore the universe with the World Wide Telescope.

See a printer that can print your cup and bowl. 3D printing that will change the face of manufacturing and impacts of transport carbon forever.

Take a team challenge, or set the teams a challenge, see how they address issues of the future. Give your answers and judge the winners!

Join talks on new cool things on the internet and share yours, an "unconference", a "twitterfest", Scinema - award-winning science cinema, the portable film festival (more portable than ever), alternative fuel cars, "how-tos" on alternative energy sources and reversing and reducing global warming.

**RACI NSW will be taking part of the event - with a stand, our Marvelous Molecules display, and a showcase of winning Crystal Competition entries!**

The Chair of NSW RACI Young Chemists, Joseph Bevitt will be centre stage with his presentation "*The Australian Synchrotron, Lighting the Future*."

*With a price tag of \$260 million, the AS is Australia's largest ever single investment in research infrastructure. With potential applications toward optimising chocolate manufacturing, developing new textiles, anti-cancer pharmaceuticals, the Phar Lap mystery and flat-panel televisions, the AS is set to revolutionise the way in which research is conducted in the Australian university and commercial sectors.*

*This presentation is aimed at introducing the principles of high intensity synchrotron light production, its applications to cutting edge technologies and emergent synchrotron based technologies already (!) in general household use.*

*Dr Joseph Bevitt, Chair of the RACI NSW Young Chemists Committee, is a research chemist by trade.*

*Recently shifting into the field of Research Administration and Management, he is the Executive Officer of AUSyn14, a consortium of 13 Australian universities and the NSW Government. In this capacity Joseph responds to the needs of the user community and represents these users to the AS. Joseph is also involved in the assessment of Higher Education Research as the Federal Government's Excellence in Research Australia framework (ERA) Liaison at the University of Sydney. Most importantly, Joseph's passion is the teaching of high school science, thus providing inspiration to the researchers of tomorrow."*

*Deadline for next weeks edition is 5pm **Thursday Aug 21** We welcome all article suggestions and ideas*

## Science Week has Begun

So What? I hear many of you say – but for those who saw the front page of today's telegraph may start to comprehend what an opportunity Science Week can be for us. National Science week hit the front page today – with a story about the “Big Cats” activities that will launch the week. Yes I understand Big Cats has nothing to do with the RACI, but the story is largely down to the work of the NSW Science Week committee..... A committee has an NSW RACI representative and has engaged with our branch for the last six months in their planning. The RACI NSW has also been contacted this week by the “Sunrise” program (Channel 7). The RACI was asked to provide chemistry expertise for a Science Week Segment, which may go to air next week. (If the segment looks like it will go ahead I will let you know). The week is a great opportunity for the RACI to have its voice heard.

Thank you to Brian Young from EnviroSafe who submitted a winning suggestion for our Science Week activities. Brian suggested dimethyl ether,  $\text{CH}_3\text{OCH}_3$  – a simple molecule - but one with great potential! The reason for submitting dimethyl ether is its importance as a potential alternative fuel, say for diesel given dimethyl ether's high cetane number, its low toxicity and very low pollutant emissions on burning, and its production from natural gas, firstly to methanol, or from biomass.

## Members in the media

Listeners of ABC 702 this week informed our branch they were excited when they heard one of our members on the Air Ways (Tuesday). Dr Graham Trout (RACI Fellow) from the NMI and Australian Sports Drug Testing Laboratory was interviewed to explain some aspects of testing athlete's blood samples. During this period around the Olympic Games this area of Chemistry is considered very topical – the interview was of great interest to the audience.



## **NSW Branch AGM – Sept 10 UNSW School of Chemistry**

This Year our AGM will be held Wed Sept 10 at the University of UNSW.

We will be trying to keep the formalities to a minimum for the AGM part of the evening. Rather it will be a night to celebrate the induction of some New Fellows to the institute, present some awards to for some outstanding contributions this year, and catch up on what the different groups and sections have done this year.

We are lining up a riveting guest speaker for the night and have arranged a simple catered function for the close of the evening. Please put this night down in your diary – it would be great if our old and new members could use this night to catch up and hear about some of the great things that the branch has taken part in this year.

***WATCH this SPACE as the details are finalised in the next few days***

### **NSW Branch AGM and Call for Nominations**

If you wish to nominate someone as an office bearer (Secretary, Treasurer, etc), or committee member please contact the branch office [RACINSW@chem.unsw.edu.au](mailto:RACINSW@chem.unsw.edu.au) and a nomination form will be sent. We welcome new members to nominate, and all members to consider how they may get involved!

### **Industrial Chemistry Division AGM at Chemeca 2008**

The Industrial Chemistry Division will be holding its Annual General Meeting (AGM) Tuesday 30th September at the Chemeca Conference. The AGM will include election of Office Bearers - Chair, Treasurer, Secretary – who must be Australian residents and RACI Corporate Members.

The call for Office Bearer nominations is open from Friday 8th August and closes Friday 5th September.

Please forward nominations by Friday 5th September to the Returning Officer: [RACINSW@chem.unsw.edu.au](mailto:RACINSW@chem.unsw.edu.au)





## 23rd RACI Organic Division Conference, ORGANIC 08, Hobart, Tasmania 7 – 12 December 2008

Early bird registration and **abstracts close 31st August**. Register online at

<http://www.organic08.org/>

### NSW RACI and Science Week 2008!

The NSW branch will be out and about during Science Week appearing at two major events exhibiting our involvement in Australia's Chemistry community and stimulating the wider community to consider that Chemicals are all around us through our Marvellous Molecules Activities.

**Sunday August 17<sup>th</sup> - Live Futures 2020: A World of Possibility.** A one-day festival to explore the future. Newtown Square (corner of King Street and Enmore Road opposite Newtown Station) in Sydney. We will be joining a vast cross-section of the community - exploring the possibilities that the future holds. In particular we will highlight the important role that chemistry will have in the next decade. Young Chemist's Chair Joseph Bevitt has been invited to give a presentation "The Australian Synchrotron, Lighting the Future". We hope to engage the younger audience at our Marvellous molecule display - having them construct the molecules that they come into contact with during their everyday lives. Our presence and our display at this festival will encourage them to have an interest in Chemistry - and letting them know they can be the "Chemists of the Future". We also hope to display some of the winning crystals from local schools for this year's Crystal Growing Competition, and hence to encourage more schools to enter next year's comp.

**Saturday August 30<sup>th</sup> -** We have again been invited to take part in the Ultimo Science Festival. Ultimo TAFE have asked us "to come and flaunt our sciencey goodness in their forecourt" (direct quote) This is a larger festival. Like last year we will again take our Marvellous Molecule display and spend time engaging with the festival participants and assisting them build molimod molecules. The neighbouring UTS Campus is also having its careers day so it will be a chance for our members to encourage potential chemistry students and discuss potential careers involving chemistry.

**Member Involvement:** If any members would like to be involved at either event we would love to hear from them! If you could spare an hour or two on either the 17<sup>th</sup> or 30<sup>th</sup> August please contact Edwina at [racinsw@chem.unsw.edu.au](mailto:racinsw@chem.unsw.edu.au)

 **national science week**

Deadline for next weeks edition is 5pm **Thursday Aug 21** We welcome all article suggestions and ideas





## ACROSS Symposium on Advances in Separation Science



The organizing committee of the **ACROSS Symposium on Advances in Separation Science - ASASS** in Hobart, Tasmania, Australia, would like to inform you about and invite you to attend this conference, which is being held between the **8-10th of December 2008**. The conference website (<http://www.across.utas.edu.au/ASASS>) contains more detailed information on the conference including registration details.

This two day international symposium on Advances in Separation Science will focus on all areas of separation science and will include a number of thematic sessions. The symposium will be of interest to academics, researchers, PhD students, government and private sector scientists working in separation science. **ASASS will be held at the School of Chemistry, University of Tasmania, Hobart, Tasmania, Australia**, with details being available on the conference website at: <http://www.across.utas.edu.au/ASASS/Venue.html>

The ACROSS Symposium on Advances in Separation Science (ASASS) will provide an excellent opportunity to interact with key local and international researchers. A range of new and exciting research will be presented in the areas of chromatographic and electrophoretic analysis, flow injection analysis, microfluidics, stationary phase development, proteomics and genomics, detection, environmental analysis, chemometrics, theory and modelling, pharmaceutical analysis, etc.

Major drawcards for this conference will be the high profile speakers invited to give presentations. This meeting therefore presents a very rare opportunity to hear such eminent speakers without the need for extensive travel. **Moreover, the registration fee (only AUD \$200 and AUD \$70 for the conference dinner) has been set to cover costs only, with the intention of providing**

The list of invited speakers includes\*:

Prof Peter Schoenmakers (Netherlands)  
Prof Frantisek Svec (USA)  
Prof Pat Sandra (Belgium)  
Prof Gert Desmet (Belgium)  
Prof Luigi Mondello (Italy)  
Prof Hian Kee Lee (Singapore)  
Prof Attila Feller (Hungary)  
Prof Sandy Dasgupta (USA)  
Dr Miroslav (Mirek) Macka (Ireland)  
Assoc Prof Brett Paull (Ireland)  
Prof Wolfgang Buchberger (Austria)  
Prof Shigeru Tanaka (Japan)  
Prof Phillip Marriott (RMIT University)  
A Prof Andrew Shalliker (University of Western Sydney)  
Prof Brynn Hibbert (University of NSW)  
Prof Neil Barnett (Deakin University)  
Prof Milton Hearn (Monash University)  
Prof Paul Haddad (University of Tasmania)

### The key dates for the conference

<b>17th of October 2008</b>	<b>Abstract Deadline for Oral and Poster Presentations</b>
<b>31st of October 2008</b>	<b>Notification of abstract acceptance and finalisation of the program</b>
<b>14th of November 2008</b>	<b>Deadline for Early Registration</b>
<b>8th of December 2008</b>	<b>Opening of the Symposium</b>

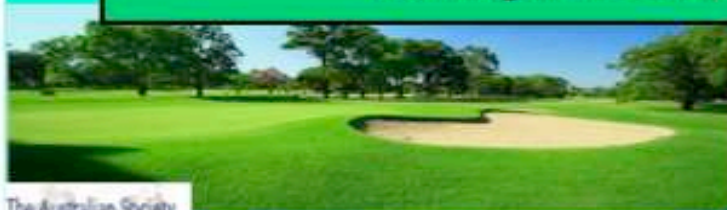


**MGK ASIA-PACIFIC Pty. Ltd.**



presents the

**13<sup>th</sup> Annual RACI vs ASCC Golf Challenge 2008  
at CARNARVON GOLF CLUB  
Nottinghill Road LIDCOMBE**



The Australian Society  
Of Cosmetic Chemists

**Wednesday 22<sup>nd</sup> October 2008**



**Program**

11 am Registration, Snack & Putting Competition.  
11.30 am Tee - Off (Times will be advised) Golf and Dinner  
5 pm Drinks  
6 pm Dinner & Presentation  
Bookings: Edwina Hine Tel. (02) 9663 4960  
[RACINSW@chem.unsw.edu.au](mailto:RACINSW@chem.unsw.edu.au)

**Fees: (include GST)**

Golf only (includes snack & drinks) \$ 75  
\$ 100  
Dinner only (includes drinks) \$ 60

Enquiries Gary Bowman Tel. (02) 9857-2372  
[gary\\_bowman@reckittbenckiser.com](mailto:gary_bowman@reckittbenckiser.com)

**Associate  
Sponsors**



patents, trade marks, ip law

**Registration:** (Any number of players can register- groups will be assigned. Please indicate if you have a preference for partners)

Names: ..... E-mail: ..... Golf  Dinner  Amount \$.....  
Names: ..... E-mail: ..... Golf  Dinner  Amount \$.....  
Names: ..... E-mail: ..... Golf  Dinner  Amount \$.....  
Names: ..... E-mail: ..... Golf  Dinner  Amount \$.....

Total \$ .....

**Payments by 15 October 2008:**

I wish to pay by cheque (payable to RACI NSW) or  
Please debit my credit card  Visa  MasterCard  American Express

Card number: \_\_\_\_\_ Expiry date: \_\_\_/\_\_\_ Amount  
\$ \_\_\_\_\_

**SEND TO:** Edwina Hine; RACI NSW Branch, School of Chem. UNSW Sydney NSW 2052  
[RACINSW@chem.unsw.edu.au](mailto:RACINSW@chem.unsw.edu.au) Tel. (02) 9663 4960 or Fax. (02) 9385 6141

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## Chemistry Related Science Week activities of interest.



Many of you may be aware that the RACI has been actively involved in preparations for Science Week Activities in NSW this year, with representation on the National Science Week Committee and the two events we are taking part of as a branch. This article will highlight some events that are chemistry related (although not official RACI events).

### **The art of Nanomaterials – clean energy, environmental and health care applications:**

Nanomaterials are materials constructed using nanoscale building blocks with molecular precision. The ARC Centre of Excellence for Functional Nanomaterials (ARCCFN) conducts research into the synthesis and application of these materials.

Often, this research is inspired by nature, such as the way sea shells are formed. By studying and building on these “natural” synthesis techniques, the Centre is creating new materials that show great promise for use in clean energy, environmental and health care applications.

The “artworks” in this exhibition are artificially-coloured electron microscope images that show some of the amazing variety of structures that can be formed from a few basic compounds just by controlling the synthesis conditions.

When: Aug 19 to 31, 10am-4pm Where: Ultimo TAFE Bld C, The Muse Gallery, cnr Harris and Mary Anne Streets, Ultimo. [www.ultimosciencefestival.com](http://www.ultimosciencefestival.com)

**CSI: Sydney at USF:** Fingerprints, illicit drugs, DNA profiling, fire investigation, trace evidence, investigation of human remains and crime scene investigation are just a handful of the research areas of the UTS science forensic unit. Get a sneak peek into the world of forensics by joining this tour of state-of-the-art laboratories. Tours run on the hour from 10am to 3pm and last tour departs at 3pm. Admission is free but seats are limited. Tickets are available one hour before the tour from the Science Info Desk. When: 10am-3pm, Saturday August 30 Where: UTS City Campus, Building 4 - meet on level 2, Harris Street, Ultimo. [www.ultimosciencefestival.com](http://www.ultimosciencefestival.com)



**Casino Science Shows.** *\*\*\*Regional Event\*\*\** This event will be conducted at Casino High School. We and Indigenous students from the High School will run interactive Science Shows for Year 7 students, some primary school students and the public. The activities will allow exploration of the chemistry of common household items, discovery of the microbes we harbour, reveal the local Aboriginal bush foods and medicines, and give students a chance to see the hidden beauty of insects first hand.

Student demonstrators from Casino High School will be trained on the morning, Monday 18th August. Shows will run on the Monday and Tuesday in school hours after the training. Any public interested in attending the shows, please contact Joanne Jamie 0439170683 or David Harrington 0434916778.

<http://www.scienceweek.info.au/Lists/ApprovedScienceWeekEvents/DispForm.aspx?ID=191&Source=http://www.scienceweek.info.au/Pages/EventsMap.aspx?state=nsw>

(you may have read about this event in the latest Chem in Aus. Aug Iss Pg 14-16)

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**Experimentations Exhibition** When 19 Aug 2008 10:00 AM - 31 Aug 2008 5:00 PM Where Powerhouse Museum <http://www.ultimosciencefestival.com> Exploring the principles of electricity, magnetism, light, nuclear science and chemistry. Free with entry to Powerhouse Museum.

**Maclean Science Shows: \*\*\*Regional Event\*\*\*** This event will be conducted at Maclean High School. We and Indigenous students from the High School will run interactive Science Shows for Year 7 students, some primary school students and the public. The activities will allow exploration of the chemistry of common household items, discovery of the microbes we harbour, reveal the local Aboriginal bush foods and medicines, and give everyone a chance to see the hidden beauty of insects first hand. Student demonstrators from Maclean High School will be trained on the morning, Thursday 21st August. Shows will run on the Thursday and Friday in school hours after the training. For any public interested in attending the shows, please contact Joanne Jamie 0439170683 or David Harrington 0434916778. (you may have read about this event in the latest Chem in Aus. Aug Iss Pg 14-16) <http://www.scienceweek.info.au/Lists/ApprovedScienceWeekEvents/DispForm.aspx?ID=192&Source=http://www.scienceweek.info.au/Pages/EventsMap.aspx?state=nsw>

**CSIRO: Forensic Frenzy** When 27 Aug 2008 4:00 PM - 27 Aug 2008 5:30 PM Where Ultimo Library 40 William Henry Street, Ultimo <http://www.ultimosciencefestival.com> Analyse evidence to solve an intriguing crime in this practical workshop delving into forensic science. Activities include fingerprinting, computer facial ID, soil analysis, chemical tests for fabric and microscopy. Pick up your Police Report to pre-read when you book your place. Bookings essential - suitable for 8-12 year olds. Ultimo Library: Phone: 9298 3110 Email: [library@cityofsydney.nsw.gov.au](mailto:library@cityofsydney.nsw.gov.au)



**Science of Wine: An Organoleptic Examination** When 29 Aug 2008 6:00 PM - 29 Aug 2008 8:00 PM Where The Loft Bar UTS Sydney <http://www.ultimosciencefestival.com> Enjoy an educational evening of wine tasting and discussions into the science of wine with author of 'A Top Drop - Everything You Need to Know About Australian Wine' Ian G. Bailey. The Loft Bar-UTS. \$40 per person plus booking fee Tickets available online at [www.unitix.com.au](http://www.unitix.com.au)





## 16th Royal Australian Chemical Institute R & D Topics Conference



The RACI R&D Topics conference, initiated in 1992 by Professor Neil Barnett (School of Biological & Chemical Science, Deakin University), is based on a similar conference for postgraduate students held by the Royal Society of Chemistry (UK).

**This year it is being held again in NSW! Macquarie University Saturday, December 6 - Tuesday, December 9**

**The call for Poster and Oral Presentations has now gone out – Abstract Submissions will be accepted until Sept 15**

<http://www.cbms.mq.edu.au/rdtopics/index.html>

### Website of the Week

#### Catchment Detox Sims

<http://catchmentdetox.net.au/>

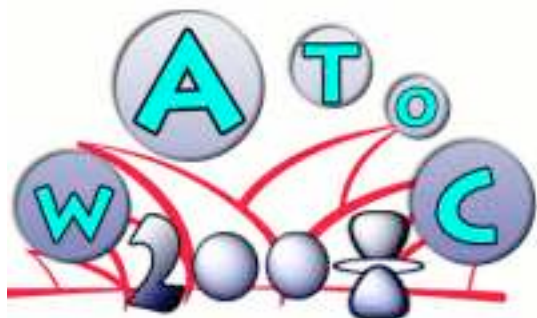
This weeks website was suggested on the ABC Science Webring. As a part of Science Week 2008, The ABC, CSIRO and the eWater CRC have developed an online sim to do with catchment management.

It is designed for both students and members of the general public - and well worth a look. Could you sustainably manage a virtual river catchment? Can you build a thriving economy as well as maintain a healthy natural environment? Take up the challenge with Catchment Detox - an online game where you are responsible for an entire river catchment. It's up to you what activities you undertake in your catchment - you can plant olives or grapes, run cattle or sheep, grow trees, grow cotton, irrigate or log - it's your decision. But you might be surprised what impact your decisions have!

Have you seen a website you have liked or found useful – let us know!



# WATOC 2008: Eighth Triennial Congress of the World Association of Theoretical and Computational Chemists, Sydney, Sept 14-19



<http://www.watoc2008.com/>

## Missed an edition of our weekly E-News?

We now have an archive of old editions! Please see

<http://www.chem.unsw.edu.au/RACI/News.html>

## RACI Electrochemistry Symposium: New materials and New Methods in Electrochemistry Nov 27-28 @ UNSW

[http://www.chem.unsw.edu.au/RACI/RACIElectrochemDiv%20webpage/raci\\_electrochemistry\\_symposium.htm](http://www.chem.unsw.edu.au/RACI/RACIElectrochemDiv%20webpage/raci_electrochemistry_symposium.htm)

The poster features a photograph of a modern glass skyscraper at night, illuminated from within. Text on the poster includes:

RACI Electrochemistry Symposium:  
New Materials and New Methods in Electrochemistry  
Sponsored by MEP Instruments

• November 27-28, 2008  
• University of New South Wales

**Organizers:**  
• The Royal Australian Chemical Institute  
Incorporated: Electrochemistry Division  
• University of New South Wales; School of Chemistry  
<http://www.edaq.com/EDRACI/>

Logos for MEP instruments and UNSW are also present.

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# NSW RACI Organic Symposium 2008

Location: School of Chemistry, University of Sydney, NSW 2006 Date: Wednesday  
December 3<sup>rd</sup>

**NSW RACI Organic One Day  
Symposium 2008**  
<http://www.chem.unsw.edu.au/RACI/SIGS/organic.html>

*Date: December 3rd*  
*Venue: University of Sydney*  
*Organisers: RACI NSW  
Organic Chemistry Group &  
University of Sydney*

<http://www.chem.unsw.edu.au/RACI/NSWOrganic2008.pdf>

Deadline for next weeks edition is 5pm **Thursday Aug 21** We welcome all article suggestions and ideas

# THE ROYAL AUSTRALIAN CHEMICAL INSTITUTE INCORPORATED



## NATURAL PRODUCTS CHEMISTRY GROUP ANNUAL ONE-DAY SYMPOSIUM Southern Cross University, Lismore, NSW 2480 Friday, 3<sup>rd</sup> October 2008

### CALL FOR PAPERS AND POSTERS:

This is a call for abstracts for either **15 minute oral or poster presentations** with a deadline for submissions of **Monday 29<sup>th</sup> August 2008**. Abstracts need to be in **MS Word or rtf** format, to be sent by e-mail as an attached file to: [myrna.deseo@scu.edu.au](mailto:myrna.deseo@scu.edu.au). Please use the attached abstract template for further instructions on **Abstract formatting**.

As is our custom, students giving an oral presentation will have their registration fee waived.

The program commences at 9.00 am and finishes at 5.00 pm and will comprise the latest research updates on the chemistry and biology of natural products.

### Further enquiries to:

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### REGISTRATION:

The RACI Natural Products Chemistry Group  
Annual One-Day Symposium  
Southern Cross University, Lismore campus, NSW  
Friday, 3<sup>rd</sup> October 2008

Name:	Address:
Email Address:	
Title:	
Name For Badge:	
Organisation:	
Phone Number:	Fax Number:
I wish to present orally (circle) YES NO	I wish to present a poster (circle) YES NO

**Registration Fee** (Includes lunch, morning and afternoon teas and the abstract booklet)

#### Please check one box:

- \$50 (RACI member)       \$60 (Non-member)  
 \$25 (RACI student member)       \$30 (Student non-member)

#### Pay by:

- Cheque *or*  Money Order

Made payable to: **RACI NSW Natural Products Group**

Prices shown are for registration up to **5<sup>th</sup> September 2008**.

After this date, registration costs are \$5.50 extra.

#### Send completed form and payment to:

Dr. Myrna A. Deseo  
Centre for Phytochemistry and Pharmacology  
Southern Cross University  
P.O. Box 157, Lismore, NSW 2480  
Email: [myrna.deseo@scu.edu.au](mailto:myrna.deseo@scu.edu.au)  
Fax No.: +61-2-6622-3459

**NB: The completed registration form must be received by the organisers by fax, email or post NO LATER THAN C.O.B Friday, 26<sup>th</sup> September 2008.**

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<ul style="list-style-type: none"> <li>• Cafe Sydney</li> <li>• Forty One Restaurant</li> <li>• Astral</li> <li>• La Sala</li> <li>• Manta</li> <li>• Wolfie's Grill</li> <li>• Assiette</li> <li>• Restaurant Sojourn</li> <li>• Kingsley's</li> <li>• Coast</li> <li>• Waterfront Restaurant</li> <li>• Ecco Ristorante</li> <li>• Da Gianni Trattoria</li> <li>• Caveau</li> <li>• Bayblu Seafood Restaurant</li> <li>• Bavarian Bier Café</li> <li>• Blue Ginger</li> <li><b>and many more...</b></li> </ul>	<ul style="list-style-type: none"> <li>• Watermark Restaurant</li> <li>• The Bathers' Pavilion</li> <li>• Pilu at Freshwater</li> <li>• Milson's</li> <li>• Alchemy 731</li> <li>• La Grillade</li> <li>• Terrace on Pittwater</li> <li>• Orso Bayside Restaurant</li> <li>• Berowra Waters Inn</li> <li>• MuMu Grill</li> <li>• Limani Seafood Restaurant</li> <li>• Beach Road</li> <li>• Banjo Paterson Cottage Restaurant</li> <li>• Nilgiri's</li> <li>• Bavarian Bier Café</li> <li>• Catalonia</li> <li>• The Ginger Room</li> <li><b>and many more...</b></li> </ul>	<ul style="list-style-type: none"> <li>• Wagamama</li> <li>• Hog's Breath Café</li> <li>• Blackbird Café</li> <li>• Bite Me Burger Co.</li> <li>• The Barn Cafe &amp; Grocery</li> <li>• Cine Restaurant and Bar</li> <li>• Löwenbräu Bier Hall</li> <li>• Café Monz</li> <li>• Mike's Grill and Bar</li> <li>• The Rocks Cafe</li> <li>• Encasa</li> <li>• Nikos</li> <li>• Cafe Bo Bo</li> <li>• Clovelly Hotel</li> <li>• Bay Tinh</li> <li>• il Goloso</li> <li>• Pancakes on The Rocks</li> <li><b>and many more...</b></li> </ul>	<ul style="list-style-type: none"> <li>• PJ Gallagher's</li> <li>• Café Brisa</li> <li>• Wood and Stone</li> <li>• The Newport Arms</li> <li>• The Barn Cafe – Headland Park</li> <li>• Flying Fox Café</li> <li>• The Moody Chef</li> <li>• On Shore Café Brasserie</li> <li>• The Claypot</li> <li>• The Stoned Crow</li> <li>• Chilli Lime Too</li> <li>• Fink Chocolate Café</li> <li>• Basil and Mint</li> <li>• Brewhaha</li> <li>• Ironbark</li> <li>• Wok on Inn</li> <li>• Bar Asia</li> <li><b>and many more...</b></li> </ul>
The following appear in both the Sydney and Sydney North editions			
Informal Dining and Takeaway Restaurants	Arts, Sports and Attractions	Retail, Travel, Leisure and Accommodation	
<ul style="list-style-type: none"> <li>• McDonald's</li> <li>• Gloria Jean's Coffees</li> <li>• Hungry Jack's</li> <li>• Domino's Pizza</li> <li>• Oporto</li> <li>• Krispy Kreme</li> <li>• Subway</li> <li>• Pizza Hut</li> <li>• Ogalo Portuguese Chicken</li> <li>• McCafé</li> <li>• Kick Juice Bars</li> <li><b>and many more...</b></li> </ul>	<ul style="list-style-type: none"> <li>• Greater Union Cinemas</li> <li>• Taronga Zoo</li> <li>• Sydney Aquarium</li> <li>• Hoyts Cinemas</li> <li>• Sydney Symphony</li> <li>• Luna Park</li> <li>• Sydney Wildlife World</li> <li>• Sydney Theatre Company</li> <li>• Sydney Tower Skywalk</li> <li>• Sydney Swans</li> <li>• The Australian Ballet</li> <li><b>and many more...</b></li> </ul>	<ul style="list-style-type: none"> <li>• Hamilton Island</li> <li>• BreakFree, Mantra Resorts</li> <li>• Golden Door Health Retreats</li> <li>• Rydges Resorts</li> <li>• Avis/Budget/Europcar/Hertz</li> <li>• Movieworld, Sea World, Wet'n'Wild</li> <li>• Fountain Cosmetics</li> <li>• Vogue Magazines</li> <li>• Voyages Ayers Rock</li> <li>• Heron Island</li> <li><b>and many more...</b></li> </ul>	



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## Important Dates in Chemistry's History Aug 15-21

15

- b. 1842 **William A. Tilden**, researcher on organic bases, alkaloids, & specific heats of elements.
- b. 1875 **Charles A. Kraus**, researcher on electrolytes.
- b. 1896 **Gerty T. Cori** discovered how glycogen is catalytically converted; Nobel Prize in Medicine (1947) with husband, Carl F. Cori for their discovery of the course of the catalytic conversion of glycogen and Bernardo A. Houssay for his discovery of the part played by the hormone of the anterior pituitary lobe in the metabolism of sugar.
- b. 1919 **Arthur W. Adamson**, researcher in photochemistry of coordination chemistry and surface chemistry; "Father of inorganic photochemistry". (d. 7/22/04)

16

- b. 1845 **Gabriel Lippmann**, developer of capillary electrometer; general theory of his process for the photographic reproduction of color; Nobel Prize in Physics (1908) for his method of reproducing colors photographically based on the phenomenon of interference.
- b. 1904 **Wendell M. Stanley**, researcher on chemical nature of viruses; crystallized tobacco mosaic virus; Nobel prize (1946) with John H. Northrop for their preparation of enzymes and virus proteins in a pure form and James B. Sumner for his discovery that enzymes can be crystallized.

17

- b. 1893 **Walter K. F. Noddack** co-discovered rhenium (Re, 75), 1925, with his wife, Ida E. Noddack & O. Berg.
  - •Aldrich Chemical Co. established 1951 by Alfred Bader, which later became part of Sigma-Aldrich Corporation.

18

- The manuscript, "The determination of Enzyme Dissociation Constants", by Hans Lineweaver and Dean Burk was received by the *Journal of the American Chemical Society* on this date, 1933.
- Hewlett Packard incorporated, 1947.

19

- b. 1745 **Johan G. Gahn** discovered & isolated manganese (Mn, 25) 1774; discovered phosphoric acid in bones with Karl W. Scheele, 1770.
- b. 1830 **Lothar Meyer** developed periodic table independently of Dimitri Mendeleev at same time, 1869; showed the dependence of atomic volume on atomic weight, 1870.

20

- b. 1779 **Jöns Jacob Berzelius** discovered selenium (Se, 48) 1817, silicon (Si, 14) 1817, & thorium (Th, 90) 1828; introduced name halogen; represented elements by initial letter(s); introduced allotropy, catalytic action & isomerism; used Dalton's atomic theory & composed the first accurate table of atomic weights.
  - B. B. Cunningham & L. B. Werner isolated first macroscopic amount of plutonium (Pu, 94) at wartime Metallurgical Laboratory, University of Chicago, 1942.

21

- b. 1813 **Jean S. Stas** developed methods for determination of atomic weights & analysis; His aim to prove the hypothesis of Prout, that all atoms were conglomerations of hydrogen atoms, could not become achieved; he and **Dumas** determined the atomic weight of carbon.
- b. 1816 **Charles F. Gerhardt**, researcher on theories of homologous series.
- b. 1882 **Warren K. Lewis**, researcher

Ref: Monthly Historical Events In Chemistry by Leopold May, The Catholic University of America  
<http://faculty.cua.edu/may/Chemistrycalendar.htm>

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