



WEEKLY "E" NEWS- from the RACI NSW 3rd October 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.

WSS 2008 Honours Prize presentation evening and Careers Night. When: Tuesday
14th October 2008 Venue: University of Western Sydney Campbelltown Campus (Building 22, Conference Room 5)

NSW Branch Meeting – Next Week 8th Oct (Wednesday) **Where?** School of Pharmacy Badham theatre 3 **University of Sydney** **Time?** 5.45 for a **6pm start** *We invite other RACI members to attend the meeting if they are interested in the CSIRO's Scientists in Schools Program.* Rachel Rothwell (the Programs co-ordinator) will present a 15 min presentation about how the current system works and changes that are being planned.

Chemists in the Biochemistry and Biotech Sectors Dinner Many of our 1400 NSW RACI members work within the Biotech sector, or have an interest in this ever expanding industry. The branch is holding a dinner Wednesday October 22, which will bring together our members who have such an interest in this industry for an enjoyable and interesting evening. (read page three for full details)

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See Page 5 of the Newsletter for more Details.

Should you require any further information on the Restek range of Chromatography products please don't hesitate to contact us on +61 (02) 9894 5955 or via email martin_schaut@leco.com

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

Position Vacant Associate Lecturer/Lecturer in Chemistry School of Chemistry, University of Tasmania, Launceston Page 7 for more details

Website of the Week: This week we look at **The Top 10 Australian Scientific Achievements**
<http://www.abc.net.au/catalyst/extras/quizzes/top20.htm>

SamplePrep '08: On behalf of the Royal Australian Chemical Institute, NSW Analytical Chemistry Group, it gives us great pleasure to invite you to attend SamplePrep '08 to be held in Sydney on October 14, 2008.

Upcoming RACI Conferences and Symposia As evidenced by the lengthy E News' of late there is an awful lot going on at the moment. This article summarises all the upcoming conferences and symposia

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>

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 Oct 3-9 *We will celebrate a number of birthdays of notable chemists – including noble prize winner responsible for the Synthesis of Sugars and Caffeine , not to mention the guy who came up with fullerene synthesis and hence is partly responsible for the humorous ChemEd NSW mugs!!!*

Please scroll down for further details.....



RACI WESTERN SYDNEY SECTION

Chemistry Honours Prize and Careers Evening

2008

The RACI WSS would like to acknowledge the extremely high standard of the many entries received for the 2008 Honours Prize. To do this, we have arranged 3 of the talented young chemists to give short presentations on their Honours projects.

In addition, the evening will conclude with some valuable career and job preparation advice for new chemistry graduates. This will be presented by a representative from **Techstaff**, a specialist recruitment company.

When: Tuesday 14th October 2008
Venue: University of Western Sydney
Campbelltown Campus
(Building 22, Conference Room 5)

Programme:

- 5.30 Wine & Cheese
- 6.00 RACI WSS Honours Prize Presentations
Andrew McLeod, University of Sydney –
Vanadium metabolism in the treatment of diabetes
James Hennell, University of Western Sydney –
Analysis of Anthocyanidins in Bilberry
Anwen Krause-Heuer, Uni. of Western Sydney –
Encapsulated Pt(II) Anti-cancer Drugs
- 7.00 Careers advice for new chemistry graduates
Ms Melanie Wilson (NSW Manager, Techstaff)
- 7.20 Questions & Discussion
- 7.30 Close

Dinner at Local Restaurant. All Welcome (own expense)

For additional information please contact:

Dr Gary Bowman Tel. 9857 – 2372
Email: gary.bowman@reckittbenckiser.com

NSW Branch Meeting – Next Week 8th Oct (Wednesday)

Our next meeting is **next Wednesday 8th of October**

Where? School of Pharmacy Badham theatre 3 University of Sydney

Time? 5.45 for a 6pm start

Where possible- if group chairs cannot attend can they send a proxy (another of their committee members). If possible please send a small report (a paragraph will do) of your groups activities before next week so it can be included into the agenda.

Section chairs – if you cant attend please notify us, if you could send a small report (a paragraph will do) of your activities

We invite other RACI members to attend the meeting if they are interested in the CSIRO's Scientists in Schools Program.

Rachel Rothwell (the Programs co-ordinator) will present a 15 min presentation about how the current system works and changes that are being planned.

For those who have read the National Office Newsletter you will note they advise of some possible changes to the RACI Constitution. We encourage all members to take note of these – if you wish to comment you may like to send your comments to the branch meeting. If you have any ideas also you wish the NSW Branch to take to the National Assembly now is the time to do so also- as the branch will be discussing ideas that can be raised at the Assembly in November.

We will adjourn for dinner at the conclusion of the meeting (Almustafas in Glebe Point Rd)

Please let Edwina know if you are attending the meeting and if you intend to join us for dinner (so she can book appropriate numbers)

Chemists in the Biochemistry and Biotech Sectors Dinner

Many of our 1400 NSW RACI members work within the Biotech sector, or have an interest in this ever expanding industry. The branch is holding a dinner Wednesday October 22, which will bring together our members who have such an interest in this industry for an enjoyable and interesting evening.



When: Wed Oct 22 start 7pm

Where: Yak and Yeti Nepalese Restaurant 41 Glebe Point Rd Glebe.

Cost: \$35 –RACI members and their partners, \$40 non members (Three course Nepalese Banquet including Soft Drink, Beer and Wine)

To reserve your place email (racinsw@chem.unsw.edu.au)



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http://www.leco.com.au/files/air_monitoring.pdf
[A Guide to Passive Air Sampling](#)
[Thermal Desorption Tubes vs. Canister Sampling](#)
- **Surface Treated and Deactivated Stainless Steel Products**
- Siltek Deactivated Surface Treatment for your components and a wide selection of off the shelf parts.
http://www.leco.com.au/files/restek_performance_coatings.pdf

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- Specialized SPE Extraction Cartridges and Disks for QuEChERS, NDMA EPA Method 52, Petroleum Hydrocarbon, Environmental Applications extraction and a full range of accessories.
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http://www.restek.com/advantage/adv_2005_03_11.pdf
- **GC Columns and Accessories**
Contact LECO Australia for a copy of this catalogue
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Should you require any further information on the Restek range of Chromatography products please don't hesitate to contact us on +61 (02) 9894 5955 or via email martin_schaut@leco.com

*Kind regards,
Martin Schaut
Sales Manager*



presents the

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



The Australian Society
Of Cosmetic Chemists

Wednesday 22nd 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

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

**Associate
Sponsors**



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 Tel. (02) 9663 4960 or Fax. (02) 9385 6141

Position Vacant

Associate Lecturer/Lecturer in Chemistry
School of Chemistry, University of Tasmania, Launceston
(Ref No LA 258/08)

\$28,804 - \$47,656 p.a. including 17% superannuation.

50% of full-time fixed-term for up to 3 years, to undertake teaching in units primarily in the areas of introductory general Chemistry and Organic Chemistry at first year level. This position would provide the opportunity for the appointee to undertake a number of complementary professional activities, including part-time PhD studies, consultancies with local industry or government bodies, or other employment or lifestyle arrangements.

Closing date: Monday 13 October 2008

Please see the following for more info:

http://jobs.admin.utas.edu.au/positions/pd_detail.aspx?PositionId=754



Website of the Week

The Top 10 Australian Scientific Achievements

<http://www.abc.net.au/catalyst/extras/quizzes/top20.htm>

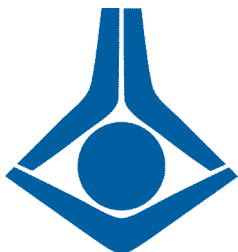
Catalyst have surveyed their Australian audience and provide a list of biographies for 10 great Australian Scientists. Many of those listed utilised chemistry for their outstanding achievements! The brief Bios are interesting the site also provides a short film describing the top three scientists.

SamplePrep2008- 14th October 2008

Following the success of Chromatography 2006, the NSW Analytical Group is holding a one day seminar on sample preparation techniques for chromatography with speakers from Government, University and suppliers.

CSIRO Lehany Theatre, Lindfield Sydney

**Website: <http://www.raci.org.au/national/events/SamplePrep08d.pdf>
(Registration Form Next Page)**



The Royal Australian Chemical Institute Incorporated

New South Wales Branch

School of Chemistry, UNSW, SYDNEY, 2052

Tel: (02) 9663 4960

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ABN: 69 030 287 244

Inc Reg Number: A0040386D

REGISTRATION & TAX INVOICE

Enquiries for further information & Payment/Registrations:

Edwina Hine (02) 9663 4960 RACINSW@chem.unsw.edu.au

Clarrie Ng (02) 9874 1055 clarrieng@optusnet.com.au

Registrations can be faxed on (02) 9385 6141

I/We wish to register for the RACI Seminar: -

“Sample Prep 2008”

to be held at the Lehany Theatre, National Measurement Institute,
Bradfield Rd, Lindfield NSW 2070

Tuesday 14th October 2008

REGISTRATION COSTS (GST EXEMPT):

Attendance	Registration	GST	Total Cost
RACI Member	\$100	\$10	\$110
Non-members	\$118.20	\$11.80	\$130
Students	\$27.30	\$2.70	\$30

ORGANISATION: _____

ADDRESS: _____

Postcode _____

CONTACT TELEPHONE OR EMAIL:

Title	First Name	Surname	Member No. RACI or Affiliate Society	Member/Non- member	

Cheque MasterCard Visa

Cardholder Name: _____

Card Number: _____

Expiry Date: _____ / _____ Signature of cardholder: _____

Or

Please forward your cheque in Australian Dollars payable to Royal Australian Chemical Institute Inc, along with this completed form to Sample Prep 2008, RACI (NSW), School of Chemistry UNSW Sydney 2052.

Upcoming Conferences and Symposiums



23rd RACI Organic Division Conference, ORGANIC 08, Hobart,

Tasmania 7 – 12 December 2008

Register online at

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

ACROSS Symposium on Advances in Separation Science



8-10th of December 2008. (<http://www.across.utas.edu.au/ASASS>)

The key dates for the conference

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

16th RACI R&D Topics Student Conference. This year it is being held again in NSW! Macquarie University Saturday, December 6 - Tuesday, December 9
<http://www.cbms.mq.edu.au/rdtopics/index.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

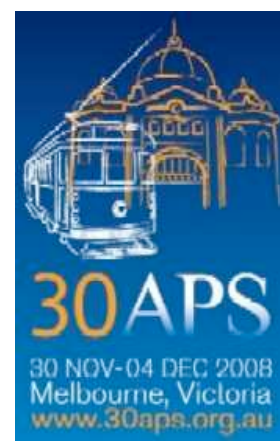
NSW RACI Organic Symposium 2008 Location: School of Chemistry, University of Sydney, NSW 2006 Date: Wednesday December 3rd

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

ChemEd 08 Notre Dame University, Fremantle, Western Australia Final Registration: Closes 21 November 2008

<http://www.raci-chemed08.org>

30 APS - 30th Australasian Polymer Symposium The Albert Park Sebel Hotel, Melbourne, Victoria <http://www.30aps.org.au>



Important Dates in Chemistry's History Oct 3-9

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b. 1904 Charles J. Pedersen, found that alkali metal ions could be bound by crown ethers in a rigid layered structure; Nobel Prize (1987) with Jean-Marie Lehn and Donald J. Cram for their development and use of molecules with structure-specific interactions of high selectivity.

➤ A long article on spontaneous combustion by A. S. (Adam Seyfert) appears in Philadelphia newspaper, Aurora; second article submitted by the Columbian Chemical Society, 1811.

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b. 1918 Kenichi Fukui, developed frontier orbital theory of reactivity; Nobel Prize (1981) with R. Hoffman "for their theories, developed independently, concerning the course of chemical reactions".

➤ Sputnik I, first artificial earth satellite, launched by USSR, 1957.

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b. 1872 Emil Votocek, introduced concept of epimerism; researcher in sugars; chemist-composer.

b. 1889 Dirk Coster discovered hafnium (Hf, 72) with Georg von Hevesy, 1923.

➤ The Chemical Society of Union College, precursor of the American Chemical Society, founded in 1861.

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b. 1783 François Magendie performed classic studies in nutrition and experimental pharmacology, importance of proteins, effects of morphine, strychnine and other chemical agents on human beings.

b. 1897 Florence B. Seibert studied biochemistry of tuberculosis; awarded Garvin Medal, 1942.

➤ Humphry Davy at the Royal Institution isolated potassium (K, 19), 1807.

➤ William Remington of Boston received U.S. Patent 82,877 for nickel electroplating, 1868.

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b. 1885 Niels Bohr proposed "solar system" model of atom, 1913, based upon Planck's quantum law; Nobel Prize (1922) for his services in the investigation of the structure of atoms and of the radiation emanating from them.

b. 1886 Neil E. Gordon, founder and editor of the *Journal of Chemical Education*; founder of the Gibson Island Conferences, later known as the Gordon Research Conferences.

b. 1939 Harold W. Kroto, researched carbon chain molecules by using combination of synthesis, spectroscopy, and radioastronomy; Nobel Prize (1996) with R. F. Curl, Jr., & R. E. Smalley for their discovery of fullerenes.

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b. 1850 Henry Le Chatelier discovered the law of reaction governing the effect of pressure & temperature on equilibrium (Le Chatelier's Law); researcher on specific heat of gases at high temperature, mass action in explosives, & chemistry of silicates.

b. 1883 Otto H. Warburg, researcher on respiration & cancer; Nobel Prize in Physiology & Medicine (1931) for his discovery of the nature and mode of action of the respiratory enzyme.

b. 1917 Rodney R. Porter, researched structure of antibodies; 1972 Nobel Prize in Medicine (1972) for their discoveries concerning the chemical structure of antibodies.

b. 1918 Jens C. Skou, discovered enzyme promotes directed (vectored) transport of substances through cell membrane, Na⁺, K⁺-ATPase; Nobel Prize (1997) with P. D. Boyer & J. Walker for elucidation of the enzymatic mechanism underlying the synthesis of adenosine triphosphate (ATP).

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b. 1718 Pierre J. Macquer studied platinum (Pt, 78); discovered arsenates of potassium & sodium.

b. 1852 Emil H. Fischer synthesized sugars, caffeine, uric acid, & other organic chemicals; Nobel Prize (1902) in recognition of the extraordinary services he has rendered by his work on sugar and purine syntheses.

b. 1879 Max von Laue, researcher in x-rays and crystal structure; suggested crystals diffract x-rays, 1912; Nobel prize in Physics (1914) for his discovery of the diffraction of X-rays by crystals.

Ref: Monthly Historical Events In Chemistry by Leopold May, The Catholic University of America

<http://faculty.cua.edu/may/Chemistrycalendar.htm>