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.

**Young Chemists tie the knot!** Last Saturday saw the marriage of two RACI young chemists

**Professor Thomas Maschmeyer leaves Western Sydney Section hopeful for our future,** with his presentation “Sustainability- some chemical solutions for a tricky problem”

**The RACI NSW Branch Committee strategy meeting** Saturday June 14th at the University of Sydney. **If you plan to attend please let Edwina know at RACINSW@chem.unsw.edu.au** - the event will be catered (free of charge), but she needs to know numbers!

**Call for Expressions of Interest:** Chemists in the Biotech Sector Dinner

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

**Nyholm 2008:** This years Nyholm lecture will be presented by Dr Peter Rutledge *Marvellous Molecules: Chemicals are good for you!*

**Analytik Jena | MEP Instruments Free Seminar:** Closing the Gap Between AAS and ICP and also Introducing the new Multi Elemental Analyser for C, N, S and Cl

**Website of the Week:** This week we look at **A new way to teach organic chemistry** *(you will need access to UTube to see this one)* **See:** http://www.youtube.com/watch?v=4rRA6fuS_JU Thank you to John Zavras Chief Chemist at Anotec who suggested this site – its quite amusing. If any of our readers find sites they like – you can let me know!

Deadline for next weeks edition is 5pm **Thursday June 12th.** We welcome all article suggestions and ideas
L’Oréal Australia For Women in Science Fellowships: Applications are now open for the 2008 L’Oréal Australia For Women in Science Fellowships.

PACIA workshops in Sydney on Energy Management in Practice.

STANDARDS AUSTRALIA CERTIFICATION AND TESTING STANDARD FORUM

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

Att: Especially Northern Rivers Region Royal Australian Chemical Institute Inc. (Qld Branch) has invited members of our branch to attend the Qld. Branch Dinner Seminar – 17th June 2008

RACI Conference: 3D at the Cove- Drug Discovery & Development, 13-17 July at Couran Cove Island Resort, Queensland

Advances in Heterocyclic Chemistry and Medicinal Chemistry: One-Day Halpern Symposium in Honour of Prof. John Bremner University of Wollongong Thursday 10th July 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 to receive over $15,000 in valuable offers, valid through 1 June, 2009. The Entertainment™ Book is your guide to the best restaurants, hotel accommodation, attractions, sports and leisure activities... all with 25% to 50% off or 2-for-1 offers. In NSW there are four books available

Newcastle, Central Coast and The Hunter (including Lake Macquarie, Port Stephens and the Hunter Valley)
Parramatta, The Hills, Blue Mountains and Macarthur
Sydney (includes Sydney CBD, Eastern Suburbs, Inner West, Southern Suburbs and more...)
Sydney North (includes North Sydney, the Northern Beaches, Upper and Lower North Shore and more...)

We can also obtain interstate editions if you have friends in other states.

Important Dates in Chemistry’s History June 6-12

Please scroll down for further details.....

Deadline for next weeks edition is 5pm Thursday June 12th. We welcome all article suggestions and ideas
Young Chemists tie the knot!

Last Saturday saw the marriage of two RACI young chemists – Natasha Sciortino and Dr Joseph Bevitt – who met at the School of Chemistry of the University of Sydney. The love affair crystallised during their postgraduate studies in the research group led by RACI stalwart Professor Cameron Kepert. Joseph is currently the Chair of Young Chemists for the RACI NSW Branch and is employed by the NSW Synchrotron Consortium at the University of Sydney. Natasha will complete her PhD research in molecular frameworks following the couple’s honeymoon that will take in the sights of Malta, Italy, Greece and France. Congratulations to Natasha and Joseph from all the members of the RACI.

Professor Thomas Maschmeyer leaves Western Sydney Section hopeful for our future, with his presentation “Sustainability-some chemical solutions for a tricky problem”

Tuesday 27th May, Professor Thomas Maschmeyer spoke at the RACI Western Sydney Section Meeting on Sustainability- some chemical solutions for a tricky problem at the University of Western Sydney. The 25 persons who attended enjoyed his talk immensely, particularly as he outlined some of his teams research photocatalytic splitting of water with sunlight to create hydrogen, 200 litres/(hour.m²). The presentation highlighted Chemistry’s role in a sustainable future – and those who attended were excited to hear how our area of interest (Chemistry) was making such positive advances in this arena.

The evening ended casually with attendees having dinner at the local Thai restaurant. The Section’s Next meeting will be held on 12 August 2008- keep an eye out in the weeks ahead for more details.

Strategy meeting - Saturday June 14th

The RACI NSW Branch Committee will be holding a strategy meeting on Saturday June 14th at the University of Sydney. The aim of this exercise is to examine the relevance of NSW Branch activities to its members and how these can be improved. If you have criticisms of the current Branch operations and/or ideas for improvements in the delivery of services to RACI members, please contact Adam Cawley (Secretary) by email: a.cawley@usyd.edu.au, phone: 0407 127 388

Deadline for next weeks edition is 5pm Thursday June 12th. We welcome all article suggestions and ideas
Expressions of Interest: Chemists in the Biotech Sector Dinner

Many of our 1350 NSW RACI members work within the Biotech sector, or have an interest in this ever expanding industry. The branch is planning to hold a dinner during Science Week (Tentatively set for the Wednesday Aug 20) that will bring together our members who have such an interest in this industry for an enjoyable and interesting evening. We are corresponding with the Victorian RACI Branch who have a Biotech interest group to secure a speaker for evening, which will be held in a Sydney Restaurant. What we need is to find out who of our members would be interested in such event so that we may secure a venue that will hold our numbers.

Please register your interest – or feedback via the email (racinsw@chem.unsw.edu.au)  
Interested persons may also find the article located at  http://www.ptasiapacific.com/ptasiapacific/content/contentDetail.jsp?id=505866  a fascinating read. The article will certainly generate some spirited conversation at our planned dinner!

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

Program highlights will include presentations by international plenary speakers (7 confirmed to date), the Birch Lecturer and other invited speakers and session speakers. Topics covered will include metal and organocatalysts, synthetic methodology, supramolecular chemistry and nanotechnology, natural products and total synthesis and drug design and synthesis.

Sessions will be run in parallel along with two poster presentations and a continuous trade display. For more information http://www.organic08.org/

Deadline for next week's edition is 5pm Thursday June 12th. We welcome all article suggestions and ideas.
THE ROYAL AUSTRALIAN CHEMICAL INSTITUTE Inc

Nyholm Lecture 2008 - it's Back!

This year's Nyholm lecture will be presented by Dr Peter Rutledge

Marvellous Molecules: Chemicals are good for you

The Nyholm Youth Lecture series is an annual event in the NSW school calendar and has the aim of 'bringing chemistry to life' for high school students. This lecture is one of the most important activities organised by the NSW Branch of the RACI.

These lectures offer an opportunity for Year 10 students to hear a chemist speak about their research/field of work at a level they will comprehend. Much of these lectures directly address various aspects of the Science Curriculum.

This year's lecture is on the chemistry of our everyday lives, and will cover aspects of section 5.10, 5.12, 5.24, 5.25, 5.26, 5.3, and 5.25 of the NSW Science Syllabus. Experiments will be conducted, and participation with the audience encouraged through vital questions.

The Presentation: Chemicals in our world don’t always get good press, and thus the catch phrase “chemical free” is often bandied around. But, is this a fair assessment? And how can things really be chemical free when it is chemical molecules that are the backbone of the world around us, and life itself? Dr Rutledge will discuss some vital chemicals that have been of great benefit, including antibiotics, and analgesia. Incorporating some exciting demonstrations he will inform and enthuse your students with the wonders of chemicals in our world today and their potential for the future.

The Speaker: Dr Peter Rutledge is a lecturer in the School of Chemistry at The University of Sydney. He received his BSc (Chemistry & Biochemistry) from the University of Auckland, and completed his DPhil with Professor Sir Jack Baldwin at the Dyson Perrins Laboratory and Magdalen College in Oxford, working on penicillin biosynthesis. In 2003 he moved to a Lectureship in Chemical Biology in the newly established Centre for Synthesis & Chemical Biology at University College Dublin. Peter took up his current position in Sydney in February 2006.

Aims and objectives of the lecture:
1. To give students confidence that they already know some chemistry that they themselves can apply to everyday problems
2. NOT to be a ‘sage on the stage’ as much as a facilitator of improving students’ understanding of how simple concepts can be used as a basis for solving (and/or understanding) complex scientific problems (one of the aims of the syllabus).

Confirmed Venues include:
1. Mon 16 June - University Sydney 3.30pm start
2. Wed 18 June - University of Wollongong 1.30pm
3. Fri 20 June - Armidale Region: Kindly hosted at UNE 1pm
4. Tue 24 June - Lismore Region: Kindly hosted at Southern Cross University 11am
5. Thu 26 June - Penrith and Western Sydney Region: Kindly hosted at Penrith Girls High School 11am
6. Tue 1 July - Dubbo/ Central West Region: Kindly hosted at Charles Sturt University Dubbo Campus 11am
7. Fri 4 July - Central Coast/Newcastle Region: Kindly hosted at Mackillop Catholic College WARNERVALE 4pm
8. Wed 23 July - Mittagong/ Southern Highland Region: Kindly hosted at Frensham College Mittagong 11am

Deadline for next week's edition is 5pm Thursday, June 12th. We welcome all article suggestions and ideas
**Analytik Jena | MEP Instruments**

**Free Seminar:**

**Closing the Gap Between AAS and ICP**

and also

**Introducing the new Multi Elemental Analyser for C, N, S and Cl**

Analytik Jena has more than 150 years of experience in the fields of optical spectroscopy and elemental analysis (AAS, UV-VIS, EA & TOC).

Analytik Jena provides a 10 year warranty on optical components lending reliability to innovation.

In June 2008 MEP Instruments Pty Ltd will be offering a series of free seminars on Atomic Absorption Spectroscopy using the latest generation of Analytik Jena Spectrometers.

An international group of expert speakers will present and guide through the presentations and workshops:

**Speakers:**

- Dr Burzu Ozmen, Analytik Jena, Germany
- Andrea Glomb, Analytik Jena, Germany
- Ritthirong Wongprachan, Analytik Jena, Thailand
- Atipong Saiyud, Analytik Jena, Thailand
- Bancha Veokeki, Analytik Jena, Thailand

The full day event will cover:

- The Fundamentals of High Resolution Continuum Source AAS
- New Applications in flame and graphite furnace techniques using the contraAA.
- Demonstration of Aspect CS Software and ContrAA Video
- Experience tomorrow's technology today with the multi EA 5000 for C, N, S and Cl
- Applications in multi element analysis

**Venues and dates:**

16th June Auckland Parnells
18th June Brisbane Riverview Hotel
20th June Melbourne Metropole Hotel
23rd June Sydney ANZ Stadium
25th June Perth Rendezvous Observation City Hotel

**Full details and seminar registration:**

Online: [www.mep.net.au/seminars/?ref=231b](http://www.mep.net.au/seminars/?ref=231b) >> Email to Katherine kh@mep.net.au or call MEP Instruments Pty Ltd, PO Box 1880, North Ryde 2113, Phone 02 98786900. Fax: 02 98786999

Deadline for next weeks edition is 5pm **Thursday June 12th**. We welcome all article suggestions and ideas.
Website of the Week

This is a new section of the newsletter where we will review a useful or interesting website that one of our members will have recommended. (Opinions expressed in this article are not those of the RACI as a whole, rather the author of the article)

This week we look at

A new way to teach organic chemistry (you will need access to UTube to see this one)

See: http://www.youtube.com/watch?v=4rRA6fuS_JU

This video link came to me by a college in the USA, this is one funny organic chemistry lecture.

John Zavras Chief Chemist at Anotec

L’Oréal Australia For Women in Science Fellowships.

Applications are now open for the 2008 L’Oréal Australia For Women in Science Fellowships. The Fellowships recognise scientific excellence by early-career women in the life sciences, material sciences, physical sciences, mathematics or engineering, who have completed their PhD or equivalent in the last five years. The Fellowships are supported by the Australian National Commission for UNESCO and endorsed by the Australian Academy of Science.

Three Fellowships will be awarded, each for $20,000. The Fellowships are intended to help early career women scientists to consolidate their careers and rise to leadership positions in science. The Fellowships are awarded to women who have shown scientific excellence in their career to date and who have an appropriate research plan that will be assisted by the one-year Fellowship.

There’s more information online at <http://www.scienceinpublic.com/loreal> . The closing date is Friday 20 June 2008.

PACIA workshops in Melbourne and Sydney on Energy Management in Practice.

The Energy Management in Practice course is a 'hands-on' way to help your organisation be more sustainable by reducing energy and water use, waste generation and your CO2 emissions. The course is presented in three distinct sessions; the first session involves the STOCKTAKE; the second session is HOW TO stage and the third session is the PLANNING stage.

Deadline for next weeks edition is 5pm Thursday June 12th. We welcome all article suggestions and ideas
Sydney: May 14 – Afternoon, May 28 – Full Day, July 2 – Afternoon
This course provides the opportunity to analyse and try things, then to reflect on outcomes in order to make improvements. The trainers provide advice and support as you map your current energy, water and materials use, and then build the commitment needed for real savings. We will help you identify opportunities for improvement, and develop the skills to assess these.
Contact Marrianne Pearce for further details: training@pacia.org.au

STANDARDS AUSTRALIA CERTIFICATION AND TESTING
STANDARD FORUM

The RACI Board is calling for expressions of interest from members to represent the RACI at this Forum. There will be no payment for travel to the meeting, so the representative who does not live in the Sydney area should be prepared to pay the travel expenses to the Forum.

Please send your expression of interest to Jan Hosking, the RACI Honorary General Secretary, janhosking@bigpond.com by Friday, 20 June 2008.

This Forum, which meets in Sydney twice a year, offers to the senior management of bodies in Australia involved in certification and testing an opportunity to exchange ideas, to coordinate their activities and to contribute to the standards and conformance issues.
The Forum's current membership consists of representatives from Accredited Certification Bodies, Australian Wool Testing Authority, CSIRO, Electrical Compliance Testing Authorities, Joint Accreditation System of Australia and New Zealand, National Association of Testing Authorities, National Measurement Institute, and Standards Australia. At its last meeting the Forum considered its membership and decided that it would like to broaden it to obtain greater input from chemical and clinical sectors in Australia.

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

Deadline for next weeks edition is 5pm Thursday June 12th. We welcome all article suggestions and ideas.
"Starch Structure: Your Dinner & Your Life Expectancy"

The Qld Branch invites us all – and especially members in Northern NSW

All RACI members, colleagues and interested persons are invited to attend the Queensland Branch Dinner Seminar.

Registration Forms are available from the Qld Branch Office. Please return completed forms, with payment, to Ruth Meaney (RACI Qld Branch Coordinator) by email, fax, or mail by **THURSDAY 12TH JUNE 2008** for catering purposes.

Ruth Meaney, RACI Qld Branch Coordinator PO Box 667 Mt Gravatt Qld 4122 Email: qld-raci@raci.org.au Phone / fax: (07) 3420 4223

---

**The RACI 3D at the Cove- Drug Discovery & Development, 13-17 July at Couran Cove Island Resort, Queensland**

Please register online at [http://www.3datthecove.org/?page=8](http://www.3datthecove.org/?page=8)

---

**Advances in Heterocyclic Chemistry and Medicinal Chemistry**

**One-Day Halpern Symposium in Honour of Prof. John Bremner University of Wollongong**

**Thursday 10th July 2008**

**McKinnon Building, 67.104**

**8.30 a.m. registration – 9.00 a.m. start**

For more information please contact: The School of Chemistry, University of Wollongong. Louisa Willdin at louisa@uow.edu.au

---

Deadline for next weeks edition is 5pm **Thursday June 12th**. We welcome all article suggestions and ideas
Purchase your brand new 2008/2009 Entertainment™ Book now to receive over $15,000 in valuable offers, valid through 1 June, 2009. At the same time, you’ll be helping community fund-raising!

The Entertainment™ Book is your guide to the best restaurants, hotel accommodation, attractions, sports and leisure activities... all with 25% to 50% off or 2-for-1 offers. Plus, My Bookings™... Compare rates, check availability and book your accommodation online. Here is a sample of the many well known businesses providing valuable offers in the new Sydney and Sydney North Entertainment™ Books...

### Fine and Contemporary Dining

**Sydney edition** (the best of the city, east, south and inner west)

- Cafe Sydney
- Forty One Restaurant
- Astral
- La Sala
- Manta
- Wolfie’s Grill
- Assiette
- Restaurant Sojourn
- Kingsley’s
- Coast
- Waterfront Restaurant
- Ecco Ristorante
- Bayblu Seafood Restaurant
- Bavarian Bier Café
- Blue Ginger
- and many more...

**Sydney North edition** (the best of the north, upper and lower north shores, northern beaches and a selection of the city)

- Watermark Restaurant
- The Bathers’ Pavilion
- Pili at Freshwater
- Milson’s
- Alchemy 731
- La Grillade
- Terrace on Pittwater
- Orso Bayside Restaurant
- Berowra Waters Inn
- MuMu Grill
- Limani Seafood Restaurant
- Beach Road
- Banjo Paterson Cottage
- Restaurant
- Nilgiri’s
- Bavarian Bier Café
- Catalonia
- The Ginger Room
- and many more...

### Restaurant and Café Dining

**Sydney edition** (the best of the city, east, south and inner west)

- Wagamama
- Hog’s Breath Café
- Blackbird Café
- Bite Me Burger Co.
- The Barn Cafe & Grocery
- Cine Restaurant and Bar
- Löwenbräu Bier Hall
- Café Monz
- Mike’s Grill and Bar
- The Rocks Cafe
- Encasa
- Nikos
- Cafe Bo Bo
- Clovelly Hotel
- Bay Tinh
- il Goloso
- Pancakes on The Rocks
- and many more...

**Sydney North edition** (the best of the north, upper and lower north shores, northern beaches and a selection of the city)

- PJ Gallagher’s
- Café Brisa
- Wood and Stone
- The Newport Arms
- The Barn Cafe – Headland Park
- Flying Fox Café
- The Moody Chef
- On Shore Café Brasserie
- The Claypot
- The Stoned Crow
- Chilli Lime Too
- Fink Chocolate Café
- Basil and Mint
- Brewhaha
- Ironbark
- Wok on Inn
- Bar Asia
- and many more...

### Informal Dining and Takeaway Restaurants

**Sydney edition**

- McDonald’s
- Gloria Jean’s Coffees
- Hungry Jack’s
- Domino’s Pizza
- Oporto
- Krispy Kreme
- Subway
- Pizza Hut
- Ogalo Portuguese Chicken
- McCafé
- Kick Juice Bars
- and many more...

**Sydney North edition**

- Greater Union Cinemas
- Taronga Zoo
- Sydney Aquarium
- Hoyts Cinemas
- Sydney Symphony
- Luna Park
- Sydney Wildlife World
- Sydney Theatre Company
- Sydney Tower Skywalk
- Sydney Swans
- The Australian Ballet
- Hamilton Island
- BreakFree, Mantra Resorts
- Golden Door Health Retreats
- Rydges Resorts
- Avis/Budget/Europcar/Hertz
- Movieworld, Sea World, Wet’n’Wild
- Fountain Cosmetics
- Vogue Magazines
- Voyages Ayers Rock
- Heron Island
- and many more...

---

**Deadline for next weeks edition is 5pm Thursday June 12th.** We welcome all article suggestions and ideas.
**Important Dates in Chemistry’s History June 6-12**

6
b. 1918 Edwin G. Krebs, Nobel Prize in physiology or Medicine (1953) with Edmond H. Fischer for their discoveries concerning reversible protein phosphorylation as a biological regulatory mechanism.
b. 1943 Richard E. Smalley, research in supersonic beam laser spectroscopy; discovered fullerenes; Nobel Prize (1996) with Robert F. Curl and Harold W. Kroto for their discovery of fullerenes.

7
b. 1811 James Y. Simpson, an obstetrician who was first to use chloroform as an anesthetic and introduced the use of ether in Great Britain.
b. 1896 Robert Sanderson Milliken researcher in molecular orbital and electronic structure of molecules; Nobel Prize (1966) for his fundamental work concerning chemical bonds and the electronic structure of molecules by the molecular orbital method.

8
b. 1916 Francis H. C. Crick determined structure of deoxyribonucleic acid (DNA); Nobel Prize in Medicine (1962) with James D. Watson & Maurice H. F. Wilkins for their discoveries concerning the molecular structure of nuclear acids and its significance for information transfer in living material.
b. 1918 John D. Roberts, research on molecular orbital calculations and the application of nuclear magnetic resonance to organic chemistry.
> Édwin M. McMillan & Philip Abelson announced discovery of neptunium (Np, 93), 1940.

9
b. 1862 Herbert B. Baker, researcher on effect of water on chemical change; authority on desiccating gases & poison gases.

10
b. 1832 Nikolaus A. Otto invented and patented four-stroke internal-combustion engine (first practical alternative to steam engine as a power source).
b. 1848 Johann C. W. F. Tiemann, elucidated the structure of the interrelated terpenes, Reimer-Tiemann reaction (1876) and the Tiemann rearrangement of amide oxides (1891).

11
b. 1842 Carl von Linde constructed equipment by which air could be liquefied on commercial scale, 1895.
b. 1885 Frederick G. Keyes, researcher on thermodynamic properties of matter, kinetic theory, & application of thermodynamics to equilibria.

12
b. 1900 Wallace R. Brode, authority on chemical spectroscopy, president of ACS.
b. 1899 Fritz A. Lipmann discovered coenzyme A & central role of ATP in metabolism; Nobel Prize in Medicine (1953) for his discovery of co-enzyme A and its importance for intermediary metabolism.

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

Deadline for next weeks edition is 5pm Thursday June 12th. We welcome all article suggestions and ideas