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

**Reminder - RACI NSW Branch Committee strategy meeting this weekend** Saturday June 14th at the University of Sydney.

**NSW Scientist of the Year Awards** recognise and reward the state’s leading researchers for cutting edge work that generates economic, health, environmental or technological benefits for NSW.


**Special Nyholm Invitation** Our first Nyholm Lecture for the year will be held next Monday (16th June). Any members interested in attending this first lecture would be most welcome to attend.

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

**16th Royal Australian Chemical Institute R & D Topics Conference** This year it is being held again in NSW! Macquarie University Saturday, December 6 - Tuesday, December 9

**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 The Marie Curie Actions (a group from the European Commission Research) See: [http://ec.europa.eu/research/mariecurieactions/index.htm](http://ec.europa.eu/research/mariecurieactions/index.htm) & their promotional careers in chemistry video (you will need UTube for this one) [http://www.youtube.com/watch?v=HDw4gk5pYl8](http://www.youtube.com/watch?v=HDw4gk5pYl8)

**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.

Deadline for next week’s edition is 5pm Thursday, June 19th. We welcome all article suggestions and ideas.
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 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 13-19

Please scroll down for further details.....
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 29th 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. 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:

Dr. Myrna A. Deseo  Ph +61-2 6622 3211  Email: myrna.deseo@scu.edu.au
Dr. Naresh Kumar  Ph +61-2 9385 4698  Email: N.Kumar@unsw.edu.au
A/Prof. Joanne Jamie  Ph +61-2 9850 8283  Email: joanne.jamie@mq.edu.au

REGISTRATION:

The RACI Natural Products Chemistry Group
Annual One-Day Symposium
Southern Cross University, Lismore campus, NSW
Friday, 3rd 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 5th 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
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, 26th September 2008.

Deadline for next week's edition is 5pm Thursday, June 19th. We welcome all article suggestions and ideas.
**Reminder: Strategy meeting - Saturday June 14th**

The RACI NSW Branch Committee will be holding a strategy meeting this weekend- Saturday June 14th at the University of Sydney. Starts at 10am will finish by 2pm. Lunch will be included. Meet at the Badham theatre (School of Pharmacy)

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**NSW Scientist of the Year Awards**

The NSW Scientist of the Year Awards recognise and reward the state’s leading researchers for cutting edge work that generates economic, health, environmental or technological benefits for NSW. The inaugural NSW Scientist of the Year 2008 Awards consist of two inter-related components which are designed to engage and involve the general public and high school students as well as the NSW research community, to promote the value of science and encourage science careers.

NSW Scientist of the Year Award Categories
Nine awards of $5,000 each will be granted to individuals in the following categories:
1. Environment, water and climate change sciences
2. Mathematical sciences
3. Physics & astronomy
4. Biomedical sciences
5. Plant & animal sciences
6. Chemistry
7. Computer sciences
8. Engineering sciences
9. Leadership in secondary science teaching

The main award of $40,000 for the NSW Scientist of the Year will be granted to the overall winner, selected from the first eight categories.

Awards in categories 1-8 will be granted to individuals on the basis of:
* Excellence of research;
* Work that has been undertaken in the last five years;
* Work that addresses a significant, health, environmental or technological challenge facing NSW; and
* Work that has the potential to impact on priorities set out in the NSW State Plan and the NSW Innovation Statement.

The selection committee may also identify scientific endeavours that have not been put forward for consideration through the nomination process.

The award for science teaching (category 9) will be granted to a science teacher on the basis of outstanding ability, leadership and inspiration in their contribution to secondary school science education. The recipient of this award will also be offered a visiting placement at a NSW university.

Nominations
Nominations for the NSW Scientist of the Year Awards will be accepted from 28 April to 20 June 2008.

More information can be obtained at

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**Deadline for next weeks edition is 5pm Thursday June 19th. We welcome all article suggestions and ideas**
Deadline for next week's edition is 5pm Thursday June 19th. We welcome all article suggestions and ideas.
Special Nyholm Invitation

Our first Nyholm Lecture for the year will be held next Monday (16th June). Any members interested in attending this first lecture would be most welcome to attend.Whilst it is directed at High School age students – we would love for our members to get a feel for how the RACI does serve the education community. The lecture also encourages students to consider a career in chemistry – the presence of enthusiastic RACI members and chemists will serve as a great advertisement! Lets break down the rotten stereotype that we a pile of stuffy “boffins in white coats” LECTURE BEGINS AT 3.30pm (duration 90min) The venue is Chemistry Lecture Theatre 3, which is on level 2 of the School of Chemistry. Those needing directions to the School of Chemistry please see: <http://db.auth.usyd.edu.au/directories/map/building.stm?location=17K> , and once at the entrance to the School of Chemistry, enter through the front door and walk straight ahead to the lecture theatre block.

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!

Deadline for next weeks edition is 5pm Thursday June 19th. We welcome all article suggestions and ideas
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).

R&D Topics is unique in that it is a conference attended and organised by postgraduate students and early career researchers, with supervisors and companies welcome to attend.

Previous conferences, hosted by various universities around Australia, including Flinders University (2007), Wollongong University (2006) Monash University (2005), University of Melbourne (2004) and the University of Western Sydney (2003), have registered over 100 delegates in the fields of analytical and environmental chemistry, with students highlighting their research through oral seminars and poster sessions.

The long running status (now in its 16th year) of the R&D Topics is a tribute to the great success of this conference format, with many former students now attending the conference as supervisors.

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

The website is still under construction but a however still worth a look http://www.cbms.mq.edu.au/rdtopics/programme.html

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 weeks edition is 5pm Thursday June 19th. 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 19th. 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
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 19th. 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

The Marie Curie Actions (a group from the European Commission Research)

See:  http://ec.europa.eu/research/mariecurieactions/index.htm

& their promotional careers in chemistry video (you will need UTube for this one)
  http://www.youtube.com/watch?v=HDw4qk5pYl8

This originally came to our attention via the Science ABC Web-ring, highlighting the you tube footage as a good laugh – upon further investigation it is a genuine promotional for the Marie Curie Actions (a group from the European Commission Research), promoting chemistry in the EU. It is prefaced with the following intro on their website “Embarking on a research career is not always easy. And yet today’s young researchers are vital to Europe’s future. At Marie Curie Actions, we are well aware of that. So we want to make research careers more attractive to young people. “

Both the U-tube footage and the Marie Curie Website are worth a look.

L’Oréal Australia For Women in Science Fellowships.

Applications are now open for the 2008 L’Oréal Australia For Women in Science Fellowships. There’s more information online at <http://www.scienceinpublic.com/loreal> . The closing date is Friday 20 June 2008.

Deadline for next weeks edition is 5pm Thursday June 19th. We welcome all article suggestions and ideas
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.

**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

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**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

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

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

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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
<table>
<thead>
<tr>
<th>Sydney edition (the best of the city, east, south and inner west)</th>
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<tr>
<td>• Cafe Sydney</td>
<td>• Watermark Restaurant</td>
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<td>• Forty One Restaurant</td>
<td>• The Bathers’ Pavilion</td>
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<td>• Astral</td>
<td>• Pilu at Freshwater</td>
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<td>• La Sala</td>
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<td>• Manta</td>
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<td>• Wolfie’s Grill</td>
<td>• La Grillade</td>
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<td>• Assiette</td>
<td>• Terrace on Pittwater</td>
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<td>• Restaurant Sojourn</td>
<td>• Orso Bayside Restaurant</td>
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<td>• Coast</td>
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<td>• Waterfront Restaurant</td>
<td>• Limani Seafood Restaurant</td>
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<td>• Ecco Ristorante</td>
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<td>• Da Gianni Trattoria</td>
<td>• Banjo Paterson Cottage Restaurant</td>
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<td>• Caveau</td>
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<td>• The Ginger Room</td>
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### Restaurant and Café Dining
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<td>• Wagamama</td>
<td>• PJ Gallagher’s’</td>
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<td>• Hog’s Breath Café</td>
<td>• Café Brisa</td>
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<td>• Blackbird Café</td>
<td>• Wood and Stone</td>
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<td>• Bite Me Burger Co.</td>
<td>• The Newport Arms</td>
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<td>• The Barn Cafe &amp; Grocery</td>
<td>• The Barn Cafe – Headland Park</td>
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<td>• Cine Restaurant and Bar</td>
<td>• Flying Fox Café</td>
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<td>• Löwenbräu Bier Hall</td>
<td>• The Moody Chef</td>
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<td>• Café Monz</td>
<td>• On Shore Café Brasserie</td>
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<td>• Mike’s Grill and Bar</td>
<td>• The Claypot</td>
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<td>• The Rocks Cafe</td>
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<td>• Nikos</td>
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<td>• Pancakes on The Rocks</td>
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<td>and many more...</td>
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The following appear in both the Sydney and Sydney North editions

### Informal Dining and Takeaway Restaurants

- 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...

### Arts, Sports and Attractions

- 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
and many more...

### Retail, Travel, Leisure and Accommodation

- 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...

For a complete listing of participating businesses or more information about Entertainment™ Books for other cities, please visit [www.entertainmentbook.com.au](http://www.entertainmentbook.com.au). Contact Edwina Hine NSW Branch Coordinator, [RACINSW@chem.unsw.edu.au](mailto:RACINSW@chem.unsw.edu.au)

Deadline for next week's edition is 5pm Thursday June 19th. We welcome all article suggestions and ideas.
Important Dates in Chemistry’s History June 13-19

13
b. 1827 Charles A. Goessmann made an analysis of peanuts, research in chemistry of sorghum and sugar beets; president of ACS.
b. 1831 James Clerk Maxwell, researcher in electromagnetic theory (Maxwell's equations), thermodynamics (Maxwell relations), and kinetic theory of gases (Maxwell velocity distribution); devised the "Maxwell's demon".
b. 1923 Lloyd Conover, invented tetracycline; US patent 2,699,054.

14
b. 1862 Johann Ulrich Nef, “Father of Physical Organic Chemistry”; discovered the valence of carbon; research on free radicals and transition state in organic reactions.
b. 1868 Karl Landsteiner, discovered the human blood groups; Nobel Prize in Physiology or Medicine (1930) for his discovery of human blood groups
➢ The paper “Hard and Soft Acids and Bases” by Ralph G. Pearson, which was published in the Journal of American Chemical Society (1965, 83, 3533), was received on this date, 1965.

15
b. 1754 Juan José D’Elhuyar, discoverer of tungsten (W, 74) from wolframite ore (1783). Died 20 Sep 1796
b. 1755 Antoine François de Fourcroy, chemical nomenclature with Lavoisier and Berthollet; described salts such as calcium chloride.
b. 1879 Samuel C. Lind, researcher in radioactivity & photochemistry; invented an electroscope for radium measurements (Lind Electroscope); discovered the ionization theory of the chemical effects of radium rays.
b. 1906 Byron Riegel, researcher on oral contraceptives.
➢ Auer von Welsbach announced separation of didymium into Nd & Pr, 1885.
➢ Patent No. 3,633 on vulcanized rubber awarded to Charles Goodyear as “improvement in India-rubber fabrics”, 1844.

16
b. 1880 Otto Eisenschiml, devised means to determine whether vegetable oils contaminated with fish oils; American Civil War historian.
b. 1897 Georg Wittig, researcher in conversion of C=O to C=C (Wittig reaction); research on ylides and phosphorus ylides; Nobel Prize (1979) with Herbert C. Brown for their development of the use of boron- and phosphorus-containing compounds, respectively, into important reagents in organic synthesis.
➢ Henry E. Roscoe announced isolation of metallic vanadium, 1869.

17
b. 1832 William Crookes, discovered thallium (Tl, 81), 1861; separated uranium into two parts, naming the new one, uranium-X.
b. 1860 William Perkin, Jr., synthesized terpenes and alkaloids.

18
b. 1870 Charles Baskerville developed processes for refining & hydrogenation of oils, plastic compositions, & reinforced lead; researcher in anesthetic chemistry.
b. 1906 Edward D. Hughes, researcher in physical organic chemistry.
b. 1918 Jerome Karle developed methods for determination of crystal structures with x-rays; Nobel Prize (1985) with Herbert A. Hauptman for their outstanding achievements in the development of direct methods for the determination of crystal structures.
b. 1932 Dudley R. Herschbach developed molecular beams to study products of collisions that occur; Nobel Prize (1986) with Yuan T. Lee & John C. Polanyi for their contributions concerning the dynamics of chemical elementary processes.
b. 1906 Maria Goeppert Mayer developed the shell model of the nucleus; research in isotopes effect; Nobel Prize Physics (1963) with J. H. D. Jensen for discoveries concerning nuclear shell structure.

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b. 1868 Karl Landsteiner discovered the human blood groups; Nobel Prize in Medicine (1930) for his discovery of human blood groups.
b. 1897 Cyril N. Hinshelwood, researcher in chemical kinetics; Nobel Prize (1956) with Nikolai N. Semenov, for their researches into the mechanism of chemical reactions.
b. 1910 Paul J. Flory researcher in physical chemistry of macromolecules; Nobel Prize (1974) for his fundamental achievements, both theoretical and experimental, in the physical chemistry of the macromolecules.

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 19th. We welcome all article suggestions and ideas