



The Royal
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NSW

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Weekly E News – NSW

Jan 23rd 2009

News from Chem Ed conference in Fremantle (late 2008)

The NSW Branch wishes to congratulate Ms Alexandra Yeung, PhD student from the University of Sydney, who won the prize for best student oral presentation at the recent RACI Chemistry Education Division conference in Fremantle, WA.

NSW Members receive 2009 RACI Organic Division Lectureships

Dr. Danielle Skropeta, University of Wollongong, and Fei Liu, Macquarie University, have won the 2009 RACI Organic Division Lectureship for Recently Appointed Staff.

Danielle and Fei will be visiting and giving lectures to as many centres around Australia in 2009 as possible. Danielle and Fei should be contacting your seminar program coordinators soon to discuss suitable dates.

Please join with me to congratulate the winners and support their visits to your School or Department next year.

Professor Stephen Pyne
Chair, RACI Organic Division

REQUEST FOR PROPOSAL

Opportunity Type: Supply, contract research, proof of concept leading to scale-up to manufacturing, joint development, supplier agreement. Freedom to practice will be important for the target application.

Program Objective: a Global Consumer Products Company, invites proposals for chemical formulations for reducing urogenital itching and irritation and for mechanisms for delivering relief via a feminine care consumer product.

Contact john@anotec.com.au for more detailed information.



The Royal Australian Chemical Institute Incorporated

New South Wales Branch

INVITATION

All NSW RACI members and their partners

The President of The Royal Australian Chemical Institute Incorporated. NSW
Branch,

Prof. Mary Collins cordially invites you to attend the

2009 Presidents Dinner

'Celebrating Achievements and Excellence in Chemistry'

***Presentation of the various awards including RACI FELLOWSHIPS, Citations, the
"PRESIDENTS AWARD" and recognition of our 50 year members. We will also hear
from some of NSW members their outstanding work they have done.***

**Come and be part of our celebration of Chemistry at an exciting venue;
The GreenGate Hotel, Cnr Pacific Highway & Greengate Road, Killara
Friday, 20th February 2009, 7.00pm for 7.30pm start**

RSVP by Thursday 12th February 2008

Edwina Hine

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Dress semi formal (Jacket and Tie)

BOOKING FORM

**RACI member and partner \$60.00 per person (includes GST)
3 course meal, beer, wine & soft drinks**

Non Member \$70.00 per person (includes GST)

Names of People Attending:

1. _____

2. _____

Please find enclosed credit card details/cheque (payable to The RACI) for \$____

Cheque, Cash, M/C, Visa. (Circle)

Credit Card No.

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Cardholders Name: _____ Signature: _____ Expiry Date: _____

Dangerous Goods information for Industrial Chemicals

(Thanks to John Zavras who supplied the information)

Dangerous Goods Code available for free download

Article Date: 22 Dec 2008

Following a recommendation by the Productivity Commission's research report on chemicals and plastics regulation, the Australian Transport Council has agreed to make the 7th Edition of the Australian Dangerous Goods Code (ADG7) available for free download.

“Making the Dangerous Goods Code available for free internet download ensures the industry has ready access to the new laws,” said National Transport Commission (NTC) Chief Executive Nick Dimopoulos.

“The decision by Ministers will promote wider understanding of ADG7's new requirements and smooth the transition for industry.”

Australia's Transport Ministers also agreed to implement legislation for the ADG7 on 1 January 2009. The delay supports uniform implementation across all states and territories (except Tasmania and ACT).

A national transition period of 12 months will expire on 31 December, 2009. The 6th Edition of the Australian Dangerous Goods Code (ADG6) applies as an alternative to ADG7 during the transition period

NTC will post links to the local laws implementing the ADG7 as they are passed. Until then, please contact your local competent authority. Contact details can be found here:
<http://www.ntc.gov.au/ViewPage.aspx?DocumentId=00919>

To download the ADG7

<http://www.ntc.gov.au/ViewPage.aspx?DocumentId=01147>

ADG6 can also be downloaded from the (NTC) website until 31 December 2009 here:

<http://www.ntc.gov.au/ViewPage.aspx?DocumentId=01147>

In addition, Ministers agreed on amendments necessary for the effective functioning of the legislation. The changes will be available for download from the Federal Register of Legislative Instruments shortly.

ADG7 is also available in a two volume hard copy version for RRP \$139.95 or a single electronic CD-ROM version for \$119.95 (prices GST inclusive). Please contact Can Print Communications to place your order (copies cannot be ordered through the NTC direct).

SCIENCE MEETS PARLIAMENT

Science Meets Parliament (SmP) is an annual event organised by the Federation of Australian Scientific and Technological Societies (FASTS). SmP brings up to 200 scientists from around Australia for face-to-face meetings and forums with Parliamentarians in Canberra.



Science meets Parliament (SmP) will be on Tuesday 17th and Wednesday 18th March 2009. There will be a dinner in the Great Hall on Tuesday evening, 17th March.

Participants

The only people who can participate in Science meets Parliament are members of associations/societies who are members of FASTS or nominees of sponsoring organisations. The RACI is a member of FASTS. The participants are ‘ambassadors’ for their society and the scientific community.

A review of Science Meets Parliament commissioned by FASTS in 2007 had a clear message; the importance of SmP as a professional development program. First time attendees from early and mid-career scientists and technologists will be encouraged to participate.

Expression of Interest in Attending SmP

In the past the RACI has been able to send a maximum of 5 participants. This is a good opportunity to meet senior politicians. RACI members interested in participating in Science Meets Parliament must have an interest in public policy and be respected in their scientific field. The registration fee and dinner will be paid for by the RACI.

Participants will be required to send a brief report to the Board on SmP. If you would like to attend please send your name, a brief CV and area of expertise to the Honorary General Secretary, Jan Hosking, email janhosking@bigpond.com by **31st January 2009**.

Website of the Week



Fizzics Education

<http://www.fizzicseducation.com.au/index.html>

Interesting site- that may be useful for some of our teacher members – easy ideas for class demonstrations

Advertise with the NSW RACI

RACI Advertising packages 2009

Gold Package: \$2000 Includes 6 adverts in the Monthly Hardcopy NSW Newsletter (1/3 A4 page) and 12 adverts in the Weekly E-news (A4) over a 12 month period (the issues you wish to advertise in is completely up to you!)

Silver Package: \$1500 Includes 3 adverts in the Monthly Hardcopy NSW Newsletter (1/3 A4 page) and 10 adverts in the Weekly E-news (A4) over a 12 month period (the issues you wish to advertise in is completely up to you!)

Bronze Package: \$500 Includes 6 adverts in the Weekly E-news over a 12-month period (the issues you wish to advertise in is completely up to you!) (A4)

Individual Advertising rates

Adverts in the Monthly Hardcopy NSW Newsletter (1/3 A4 page) **\$250** (include GST)

Adverts in the Monthly Hardcopy NSW Newsletter (A4 page) **\$500** (include GST)

Adverts in the Weekly E-news (A4) **\$110** incl GST

*****20% discount will apply to regular clients of *Chemistry in Australia***

Important Dates in Chemistry's History Jan 23-29

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b. 1872 Paul Langevin, researcher on molecular structure of gases, analysis of secondary emission of X-rays from metals exposed to radiation and for his theory of magnetism

b. 1876 Otto Paul Hermann Diels developed the diene synthesis & practical method for making ring compounds from chain compounds (Diels-Alder Reaction); Nobel Prize (1950) with Kurt Alder for their discovery and development of the diene synthesis.

b. 1918 Gertrude B. Elion, researcher on the synthesis and development of therapeutic agents; Nobel Prize (1988) in Medicine with James W. Black and George H. Hitchings for their discoveries of important principles for drug treatment.

b. 1929 John C. Polanyi, researcher using infrared chemiluminescence to follow the excited reaction products; Nobel Prize (1986) with Dudley R. Hersbach & Yuan T. Lee for their contributions concerning the dynamics of chemical elementary processes.

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b. 1847 Joseph-Achille LeBel, first to present a theory on the relationship between molecules and how they absorb or reflect light; theorized (1874) that optical activity is due to an asymmetric carbon atom bound to four different groups; regarded as the cofounder of stereochemistry, with Jacobus H. van't Hoff

b. 1872 Morris W. Travers codiscovered krypton (Kr, 36) 1898, neon (Ne, 10) 1898, & xenon (Xe, 54) 1898, with William Ramsay; researcher on low temperature.

➤ Gold discovered at Sutter's Mill in northern California setting off the '49er Gold Rush, 1848.

➤ Beer first sold in cans, 1935.

➤ B. B. Cunningham, et al., made first reported observation of absorption spectrum of compound of einsteinium (Es, 99) at University of California, Berkeley, 1966.

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b. 1627 Robert Boyle defined an element; discovered Boyle's Law; stated that matter was composed of corpuscles which themselves were differently built up of different configurations of primary particles; suggested alcohol as biological preservative.

b. 1865 William D. Horne, innovator in refining & manufacturing of sugar.

b. 1917 Iya Prigogine, researcher in irreversible processes; Nobel Prize (1977) for his contributions to non-equilibrium thermodynamics, particularly the theory of dissipative structures.

b. 1923 Arvid Carlsson shared Nobel Prize in Physiology and Medicine (2000) with Paul Greengard for their discoveries concerning signal transduction in the nervous system and Eric R. Kandel for discoveries of how efficiency of synapses can be modified and molecular mechanisms take part in memory.

➤ Martin H. Klaproth reported to the Berlin Academy of Sciences, 1798, the discovery of a new element by Müller von Reichenstein in 1782 & named it tellurium (Te, 52).

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b. 1881 Claude S. Hudson, researcher in chemistry of sugars.

➤ Niels Bohr reported the discovery of nuclear fission by Otto Hahn & Fritz Strassman at Fifth Washington Conference on Theoretical Chemistry, 1939.

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b. 1870 Louis A. Kahlenberg, studied solutions, dialysis, gas electrodes, and the activation of gases by metals; investigated potentiometric titrations, boric acid in the treatment of blood poisoning, the use of colloidal gold in treatment of malignancies, and the use of dichloroacetic acid in medicine; his criticisms of Arrhenius' theory of ionization led to Debye's and Hückel's modifications of the theory to account for the electrical interactions of the ions.

➤ F. August Kekulé presented his benzene structure to Société Chimique, Paris, 1865.

➤ Chevron incorporated, 1926.

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b. 1843 Henry C. Bolton, writer & bibliographer of history of chemistry; studied the action of organic acids on minerals.

b. 1929 Edith Marie Flanigan, developed molecular sieves as catalysts; Perkin Medal, 1992.

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b. 1838 Edward W. Morley performed ether drift experiments with Albert A. Mickelson; made extremely accurate determination of combining weights of hydrogen (H, 1) & oxygen (O, 8).

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

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