

Royal Australian Chemical Institute

Cereal Chemistry Division

ANNUAL REPORTS

2011

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Annual Report from the Chair of the RACI CCD

Ian Brown, CCD Chair

During the past year the CCD has been involved in discussions on a number of important issues with the RACI and their potential impact on CCD.

However first I would ask that our thoughts and wishes be with Helen Taylor whose husband recently passed away quite suddenly. Helen has been a wonderful supporter and worker in the CCD for many years.

2011 is the UN designated International Year of Chemistry and the RACI has organised many activities this year to promote the importance of chemistry to the general population, professionals and the government. Details of these activities can be found on the RACI website – www.raci.org.au or through www.iyc2011.org.au and include;

- Celebrating women in chemistry.
 - Survey of women in the scientific research workforce.
 - Women in chemistry leadership development awards.
- Global water experiment.
- Five regional travelling exhibitions on 'Materials Futures', 'Nature's Chemical Diversity', 'Chemistry & the Nucleus', 'Eat, Drink & Chemistry, and 'Healthy Chemistry'.
- Art of chemistry – the periodic table.
- The International Australian National Chemistry Quiz.
- International Lecture Tours by 'Dr Peter Tregloan', 'Professor Lynn Francesconi', 'Dr Peter Wothers', 'Professor Martyn Poliakoff', 'Dame Julia Higgins' and "Professor martin Chalfie'.
- Chemistry Awards Night in November 2011.
- Community Grants.

CCD is celebrating the 2011 IYC with the presentation of a special F.B. Guthrie Award. The awardee will announced on Monday 5 September 2011 at the Australasian Grain Science Association Conference to be held at the Twin Towns Clubs and Resorts, Coolangatta – Tweed Heads. The award will be presented immediately before the RACI CCD Annual General Meeting. I hope that all members of the CCD can attend to support the presentation of the most prestigious award of the Division, participate in the AGM and take part in the AGSA cereal conference.

The RACI is in the process of revising its membership criteria. The proposed structure is designed to simplify the membership procedure, in the case of students to offer a low cost introduction to the RACI and for Associates to allow the inclusion of professionals whose primary training is not in chemistry. This is advantageous for members of the CCD for whom many do not have chemistry as their primary discipline.

Also RACI is currently assessing whether it should hold the National Conference on a more frequent basis, potentially every one or two years. Since this would require the involvement of the divisions, including the CCD, opinions are now being sought. CCD will be reviewing this proposal to ascertain if the proposal will advance Cereal Chemistry. The RACI has indicated that the next National Conference is likely to be held in South Australia in 2014.

During the year the CCD Newsletters has kept members of the Division up to date with the activities of the Division and its members.

During the year the income from the Division was \$1,768.54 with total expenses of \$11,619.93. Although a three year cash neutral budget has been provided to the RACI it is evident that additional sources of income for the Division need to be identified. One project is in response to the expressed need of Division members and other people participating in the cereal industry to have additional training in statistics. Ian Batey has prepared an introductory statistics workshop that will be conducted later this year.

2011 continues to be an interesting and busy year for the CCD and the RACI.

Ian Brown

RACI CCD TREASURER'S REPORT 2010-2011

New financial record keeping and budgeting systems were introduced in 2010. As a result, balance sheets are no longer provided by RACI Head Office. Activity reports including profit and loss statements are provided on a monthly basis. As of 30 June 2011, Year to date total income was \$1768.54, total expenses were \$11,619.93.

A Treasurer's report was provided at the committee meeting held 25th February 2011 in Sydney. In addition, in line with the new financial system, a three year cash neutral budget was provided to RACI Head Office for the period 2012-2014.

Submitted 19th July 2011

Sophia Roumeliotis

RACI CCD Membership Report 19 August 2011

There are 300 (incl. Concessional Members 42 -unable to breakdown categories) current members. This is down from 308 members of last year. The breakdown of the group is shown in Table 1.

Table 1: RACI Members Cereal Chemistry Division in the financial year of 2011-2012.

Country	State	Number of Members	
		This Year	Change since last year
Australia	Australian Capital Territory (ACT)	6	(same)
Australia	New South Wales (NSW)	112	(-6)
Australia	Queensland (QLD)	34	(-1)
Australia	South Australia (SA)	17	(-1)
Australia	Tasmania (TAS)	3	(+1)
Australia	Victoria (VIC)	84	(-4)
Australia	Western Australia (WA)	29	(+4)
<i>Sub Total for Australia</i>		285	(-7)
Brazil	Not Applicable (NA)	1	(same)
India	NA	1	(same)
Japan	NA	1	(same)
Malaysia	NA	1	(same)
New Zealand	NA	1	(same)
Singapore	NA	2	(+1)
Sri Lanka	NA	2	(-1)
Switzerland	NA	1	(same)
United Arab Emirates	NA	0	(-1)
United Kingdom	NA	1	(same)
United States of America	NA	3	(-1)
<i>Korea</i>	<i>NA</i>	<i>1</i>	<i>(+1)</i>
<i>Sub Total for International</i>		15	(-1)
Grand Total		300	

The breakdown by professional status is;

HLM	30 (is a mixture of Fellows and MRACI CChem))
Fellows	20
MRACI	29
Assoc/students	114
MRACI CChem	107

The information in this report was provided by Regina Colleluori – Memberships, RACI. Her input is recognised and greatly appreciated.

Jodi McLean

19 August 2011

Communications Report

In the past year, 3 newsletters have been sent out – in November 2010, April 2011 and August 2011. There is always a difficulty in getting material for the newsletters, and getting it on time. I would like to thank all those who provide material, in particular Dr Phil Williams who provides the “one pagers” on technical matters relevant to NIR. Phil’s contributions are always there and always ahead of time.

The web site has been a problem, and there needs to be more assistance from RACI office to improve it. I have had difficulty in updating it, relying rather on the newsletter and emailings between newsletters to keep members informed of issues. I propose to make a priority of getting the website up to date, easy to access and attractive.

Ian Batey

Newsletter Editor and Communications

RACI Australian Cereal Chemistry Division Committee Sub- committee Reports 2011

Committee Name: Methods

Convenor: Helen Allen

Terms of Reference: to obtain any new methods for the Official Testing Methods of the Cereal Chemistry Division

Activities for 2010-2011: At the AACC conference at Palm Springs, as co-chair of the AACC Test Bake Technical Committee, there will be held a Users group workshop on the protocols for using the C-Cell, it will be held on Sunday October 16th. This will be a free workshop/Users meeting and the speakers will be from Chorleywood in the UK. At the conclusion it is hope to develop protocols for the use of the C-Cell to be published as an AACC method. This same set of guidelines will be also published in the CCD methods with appropriate recognition to AACC.

Activity Plans for 2011-2012: There are still methods that are in the process of being updated, this will be an ongoing activity until all are completed

RACI CCD NIR SUB-COMMITTEE REPORT 2010-2011

During 2010-2011, two 'one-pagers' were submitted by Phil Williams for circulation in the RACI CCD newsletter.

These were:

Interpretation of NIRS calibration models I. Calibrations for moisture (April newsletter)

Interpretation of NIRS calibration models II. Calibrations for wheat texture (PSI) (current newsletter)

The committee has not updated the RACI methods for NIRS analysis primarily as the current methods limit applications to two commodities and two constituents. Our current thoughts are to establish a set of guidelines, instead of methods. This approach would provide guidelines for any type of application and is more practical.

Submitted 19th July 2011

Phil Williams, Sophia Roumeliotis, Catherine Margach

RACI Cereal Chemistry Division – STUDENT COMMITTEE REPORT

- Peter Gollan and Haelee Fenton

Changes made to the RACI CCD membership scheme in 2010 has had particular impact on postgraduate students, who are now required to hold an RACI Associate Membership in order to be CCD members, at a significantly higher cost than previous CCD student membership. Some issues regarding the costs and benefits of student RACI membership were raised at the committee meeting in February 2011 and this matter is currently under revision by RACI. A student dinner was held as part of the 2010 Cereal Chemistry Conference to discuss the changes to membership, and to point out the specific benefits of RACI Membership for students. Students were encouraged to take up the offer of free RACI membership for 2010, and forms were lodged on behalf of several students electing to do this. Group emails were sent to CCD student members throughout the year with information on matters including scholarship opportunities, membership information, Cereal Chemistry Conference call for abstracts and attendance.

Since July 2011, Haelee Fenton has taken on the student representative role in an acting capacity. A student dinner has been organised to be held during the 61st Australian Cereal Chemistry conference, 4th – 9th September, for Tuesday 6th September at 7pm. Notification of this RACI CCD student event has been formerly placed on the conference program, and the information has also been distributed through the latest RACI CCD newsletter and on the Australasian Grain Science Association website under conference social events. Direct contact with all students attending the 61st Australian Cereal Chemistry conference will be made prior to the student dinner event, with encouragement to interact with their fellow student peers, generate further discussion on how the division may assist with their professional development in cereal science and to also interest non-members to join. A group email to RACI student members interested in cereal chemistry has informed them of the conference scholarship opportunities available through the division and included information on upcoming national and international conferences with a cereal chemistry focus.