

## Chemical Education Division – Minutes of the 2011 Annual General Meeting

Minutes of the Annual General Meeting of the Chemical Education Division, 94<sup>th</sup> Conference of the Canadian Chemistry Society, Montreal, Quebec, Tuesday June 7<sup>th</sup>, 2011.

*Present:* Noel George (Past Chair and acting Secretary), Dietmar Kennepohl (Chair), Kathy Darvesh (Treasurer), Judith Poë, Margaret-Ann Armour, Alison Flynn, Anne Johnson, Andy Dicks (Chemistry Olympiad), Andy McWilliams, Tyson A. Miller (American Chemical Society Chemical Education Representative), Dan Thomas, Wendy Benoit, Patrick Draper, Geoff Rayner-Canham, Pippa Lock (Member-at-Large), Gale Thirlwall (CIC Awards and Local Sections Manager), Francois Gauvin (CCC coordinator)

Dietmar Kennepohl called the meeting to order.

1. **Approval of the Agenda**

Motion to approve the agenda: N. George

There were no changes to the agenda.

The agenda was approved unanimously.

2. **Approval of the Minutes of Monday 31 May 2010**

Motion to approve the minutes: J. Poë

There were no corrections to the minutes.

The minutes were approved unanimously.

3. **Report of the Chair. – D. Kennepohl**

- a. The CCC is now using bubble sheets for the multiple choice portion of the contest. More details to be provided by F. Gauvin later in the meeting.
- b. The Chemical Education Division gave out two awards at the undergraduate student contests. One at the Western Canadian Undergraduate Chemistry Conference and one at ChemCon 2011 (the Murray Brooker Award). K. Darvesh has updated the form used by the conference organizers to request support for the awards.
- c. The Division moved its bank accounts from The Bank of Nova Scotia to The Bank of Montreal (BMO).
- d. K. Darvesh is the Treasurer and is working on improving the financial statements to make them more clear.
- e. Executive Update. C. Kutas, Vice Chair, is unable to move into the Chair position and continue on the Division Executive. This means the Executive is in need of a Vice Chair and Chair. Elections will be held later in the meeting.
- f. D. Kennepohl is completing his term as Chair. He thanked the staff at Head Office and the other members of the Executive for their support.

4. **Treasurer's report – K. Darvesh**

Motion to approve the treasurer's report: G. Rayner-Canham

K. Darvesh distributed copies of the financial statements (see attached). She commented that she is working on providing more detail to help make them more transparent. There was a \$550 discrepancy between Liabilities and Equity and the Total Assets which she felt that could be attributed to how the Friesen Funds were allocated. If an adjustment was made to the line "Reg Friesen Fund", the totals agreed within \$50. (Note: the corrected financial statement is attached.)

D. Thomas inquired whether the Division grant from head office is based on membership in the Division and where the funds for the CCC came from. Both come from Head Office.

The Treasurer's report was unanimously approved.

5. **Update on student awards – G. Thirlwall**

G. Thirlwall distributed a Student Affairs/Chemical Education Report and a list of Student Awards (See attached). She also mentioned that the Alfred Bader Scholarship has been terminated.

G. Thirlwall commented that she has enjoyed working with A. Dicks and F. Gauvin on the administrative support aspects of the Chemistry Olympiad and CCC respectively. It has been a learning experience for her.

K. Darvesh inquired whether the judging for the Reg Friesen Awards has been arranged for the Thursday student session. A. Dicks responded in the affirmative.

J. Poë reminded everyone about the Chemical Education Fund and commented that donors are welcome and encouraged people to apply to the Fund. She also mentioned that the number of applications increased this year, likely because of the International Year of Chemistry. D. Thomas requested more information about the Fund. J. Poë provided additional information and D. Thomas was directed to web resources by G. Thirlwall.

6. **Canadian Chemistry Olympiad – G. Thirlwall and A. Dicks**

A. Dicks reported on the camp held at the University of Montreal and that the students were introduced at the opening ceremonies of the conference. The team for the international competition in Ankara, Turkey was also announced. A. Dicks was grateful for the administrative support provided by Head Office and also mentioned that this was the first year that the chemistry and physics olympiads were run separately. The new format seems to be working well.

7. **Report on the CED program for the CSC 2011 meeting – J. Schwarz**

J. Schwarz was absent and no report was made.

8. **Report on the CED program for the CSC 2012 meeting (Calgary) – I. Hunt**

W. Benoit made a report on behalf of I. Hunt and provided a report after the conference (see attached). The theme of the conference is 'Energizing Chemistry' and they are looking into having Chem Ed symposia related to the theme. They are also considering the possibilities for joint or cross-listed symposia with other divisions.

The Planned Symposia Titles:

- Energy in the Chemistry Curriculum
- Challenges in Teaching Chemistry
- Teaching Introductory Chemistry

- Teaching Analytical Chemistry - joint AN
- Teaching Organic Chemistry - joint OR
- Teaching Inorganic Chemistry - joint IN
- Teaching Physical/Theoretical Chemistry - joint PT

P. Lock commented that the Chem Ed division needs to be assigned bigger rooms. For the past several years, and particularly this year, the room capacity has been exceeded. There was general agreement on this point. D. Kennepohl argued that additional capacity will be needed for next year because of the overlap with the C3 conference.

M. Armour suggested having a panel type discussion about the challenges of teaching chemistry.

N. George commented on the benefits of having all the student presentations in one session. It makes judging for the Reg Friesen award much easier.

#### 9. **Report of the Coordinator of the Canadian Chemistry Conference – F. Gauvin**

F. Gauvin reported that >700 students participated in the CCC this year. Not all data is available yet but will be communicated shortly.

This year bubble sheets were used for the first time for the multiple choice portion of the CCC. Use of the bubble sheets makes grading much easier, quicker, and will allow statistics analysis. The sheets were provided by the University of Ottawa simply because of proximity to Head Office. Because the University of Ottawa was printed on the bubble sheets there were some questions/complaints about why the University of Ottawa was being promoted.

Next steps for the CCC will be the creation of a website and working on a bank of questions. Also, get more people writing questions from across the country.

F. Gauvin commented on the exam content. It is geared toward AP/IB students and there is a problem if an instructor gives it to all of their students. The students don't do well and get discouraged.

#### 10. **Elections of Chair and Vice Chair**

G. Rayner-Canham has agreed to have his name stand for the Vice Chair position. No other nominations were put forward. G. Rayner-Canham elected Vice Chair by acclamation.

A. Johnson has agreed to have her name stand for the Chair position. No other nominations were put forward. A. Johnson elected Chair by acclamation.

#### 11. **Information items**

In addition to the conferences listed on the agenda, the following were mentioned:

- The next International Conference on Chemical Education will be held in Rome
- The Western Science Education conference will be July 2011 in London, Ontario
- The 2012 C3 conference will be held at Mount Royal in Calgary, Alberta

#### 12. **Other business**

Tyson Miller, ACS Chemical Education Representative, announced that the current economic climate has forced a reduction in Outreach and Liaison activities of the ACS. This means that he may not be able to attend the CSC conference as often as he would like but he will try his best to attend. He also mentioned that he has moved to Heritage University in the state of Washington.

**13. Women in Chemistry dinner**

K. Darvesh thanked Emily Shore for being the local organizer of the Women in Chemistry Dinner. This year there were about 30 people signed up. She also thanked G. Thirlwall for advertising and promotion assistance.

There is now a Facebook group for Women in Chemistry.

The Chem Ed division does provide some financial support for the Women in Chemistry Dinner.

**14. Adjournment**

Before adjournment G. Thirlwall, on behalf of Head Office and the members of the Division, thanked D. Kennepohl for his fine efforts as Chair of the Executive.

**CHEMICAL EDUCATION DIVISION  
Annual General Meeting**

**Tuesday 7 June 2011 18:00 – 19:00  
Montréal, Palais des congrès, Room 512a**

1. Approval of the Agenda
2. Approval Minutes of Monday 31 May 2010
3. Report of the Chair – D. Kennepohl
4. Treasurer's Report – K. Darvesh
5. Update on Student Awards – G. Thirlwall
6. Canadian Chemistry Olympiad – G. Thirlwall and A. Dicks
7. Report on the CED program for the CSC 2011 meeting (Montréal) – J. Schwarcz
8. Report on the CED program for the CSC 2012 meeting (Calgary) – I. Hunt
9. Report of the Coordinator of the Canadian Chemistry Contest – F. Gauvin
10. Elections Chair and Vice Chair
11. Information Items
  - a. Upcoming Conferences
    - i. Research Based Undergraduate Science Teaching: Investigating Reform in Classrooms, June 19 – 21, 2011, Bryant Conference Center, University of Alabama Campus, Tuscaloosa, AL
    - ii. National conference on Chemical Educaiton, 5-8 July 2011 in Ataturk University, Erzurum-TURKEY
    - iii. 22nd BCCE, Penn State University, University park , PA. 1 July 29 - Thursday, August 2, 2012.
  - b. CED Related Awards at the 2011 Conference
    - i. CIC Award for Chemical Education – Mel Usselman, MCIC (University of Western Ontario)
    - ii. Clara Benson Award – Cathleen Crudden, MCIC (Queen's University)
    - iii. CED Student Travel Award – no applications

12. Other Business

13. Women in Chemistry and Friends Networking Dinner – K. Darvesh and E. Shore

14. Adjournment



## Student Affairs / Chemical Education Report

May 2011  
Montreal, ON

### 1) Student Conferences

The CSC had high visibility at the first three regional undergraduate student conferences in 2011. To help promote CSC, student memberships were given out as prizes to the top winners. Bobbijo Sawchyn represented the CSC at the first three student conferences. She gave welcomes, participated in a career fair with a CSC Booth, judged presentations and presented awards.

#### Undergraduate Student Conferences

- a. CSC South Western Ontario Student Conference was held at University of Waterloo on March 26, 2011.
- b. Western Canadian Undergraduate Chemistry Conference (2011 WCUC), May 3, 2011, University of Manitoba.
- c. ChemCon 2011 (APICS/CIC Undergraduate Chemistry Conference), May 10, 2011, University of Prince Edward Island.
- d. CSC Colloque annuel des étudiants et étudiantes de 1<sup>er</sup> cycle en chimie takes place at Université de Sherbrooke. October 28, 2011.

### 2) Awards

- a. The 2011 recipient of the CIC Award for Chemical Education is Mel Usselman from University of Western Ontario
- b. Kristopher Ooms of King's College University was awarded the CSC Faculty Advisor Award for 2011. He will not be attending the conference and will receive his award at a later date.
- c. University of Toronto at Mississauga Student Chapter is the 2011 Merit Award recipient.
- d. CSC Student Affairs is supporting poster prizes for graduate and undergraduate students at the CSC Conference.

### 3) Outreach

- a. This is CIC's first year as administrator for the Canadian Chemistry Olympiad. Andy Dicks, University of Toronto and Andreea Schmitzer, Université de Montréal are running the Canadian Chemistry Olympiad camp in Montreal May 31-June 6, 2011. Four of these 10 students will be chosen to participate in the International Chemistry Olympiad in Ankara Turkey in July 2011. The Canadian team will be announced at the CSC Conference Opening Ceremony on June 5.
- b. The Canadian Chemistry Contest (CCC) went electronic in 2011 with all exam part A multiple choice answers being scanned to save on marking by district coordinators and to provide better national statistics. The CCC Committee will be meeting on June 7 to discuss the 2011 Contest process.

May 25, 2011  
Patricia Laws, MCIC, CSC Director of Student Affairs  
Gale Thirlwall, Awards and Local Sections Manager



## Student Awards

May 2011  
Montreal, ON

### Silver Medals

Silver medals have been presented to students in all 3 Societies for top marks entering their final year of a chemistry or chemical engineering program at universities or finishing their program at colleges. For 2010 :

- CSC – 41 medals presented
- CSE – 9 medals presented
- CST – 12 medals presented

### Canadian Society for Chemistry

#### Student Conferences

The CSC and Divisions continue to support prizes at the CSC Regional Student Conferences for oral and poster competitions.

#### Student Chapter Merit Award

University of Toronto Erindale Society of Chemical and Physical Sciences will be presented with their 2011 Merit Award in the fall at the Toronto Local Section Student Awards Night.

#### Alfred Bader Scholarship

This scholarship was presented for the last time in 2010 and will cease to exist.

### Canadian Society for Chemical Engineering

#### Student Chapter Merit Award

2011 nominations were due May 31. The winner will be announced mid-June and the plaque will be presented to the students at the CSE Student Awards Banquet at the CSE Conference in London, Ontario this October.

The following 3 Awards were based on competitions held at the CSE 2010 Conference and awards were presented at the Student Awards Banquet.

#### Reg Friesen Award for Best Oral Paper

The 2010 winners are:

1st place: Albert Huynh, University of Toronto  
2nd place: Matt Wright, McMaster University

#### Robert G. Auld Oral Paper Competition Award

The 2010 winners are:

1st place: Mercedeh Modir Shanechi, University of Toronto  
2nd place: Sami Khan, University of Toronto and Leah Kesselman, McMaster University

#### SNC Lavalin Plant Design Competition Award

The 2010 winners are:

1st place: Université de Sherbrooke  
2nd place: University of Ottawa  
3rd place: University of British Columbia

#### CSE Chemical Engineering Local Section Scholarships

The 2010 winners are: Keith Oxby and Sharleen Weatherley, both of McMaster University

2011 winners will be presented with their scholarships at the CSE Student Awards Banquet at the CSE Conference in London, Ontario this October. Up to 2 awards may be presented annually.

May 31, 2011

## Financial Statement

For period from January 1, 2010 - December 31, 2010				
	Actual to Dec. 31 2009	Budget to Dec. 31, 2010	Actual to Dec. 31, 2010	2011 Budget
<b>Income</b>				
Bank Interest	\$ 27.77		\$ 1.65	
General Investment Interest				
Special Investment Interest				
General Meetings				
Special Meetings				
Seminars/Symposia/Short Courses				
Sponsorships	5,500.00	1,500.00	6,286.75	1,500.00
Student Poster Competition	800.00	1,484.10	800.00	1,500.00
Society Grant	1,416.60		1,484.10	1,484.10
CCC Funding	5,500.00		5,000.00	5,500.00
Student Awards (fr divisions)	200.00		900.00	1,100.00
<b>TOTAL INCOME</b>	13,444.37	2,984.10	14,472.50	11,084.10
<b>Expenses</b>				
Administration (Printing, Postage, Stationary, Telephones, Service Charge etc.)	54.22	55.00	37.42	55.00
CSC Conference	5,431.78	2,000.00	5,409.97	1,500.00
Awards and Prizes				
Student Poster Competition*	1,200.00		1,600.00	1,600.00
Meeting expenses	353.99	400.00		400.00
Seminars/Symposia/Short Courses				
CCC Contest	5,488.30		5,423.13	5,500.00
NCW Events				
Women's Dinner			129.68	200.00
Student Chapter Assistance				
Certificates				
Other (specify)				
<b>TOTAL EXPENSES</b>	12,528.29	2,455.00	12,600.20	9,255.00
<b>SURPLUS (DEFICIT)</b>	\$ 916.08	529.10	\$ 1,872.30	\$ 1,829.10
*graduate and undergraduate				

**The Chemical Institute of Canada  
Local Section / Subject Division  
Financial Statement**

Local Section or Division: Chemical Education Division			
Bank Name: Bank of Montreal			
Bank Address:			
Account #: 0005 8209 755			
Signing Authorities:			
	Roland Andersson	CIC Executive Director	
	Joan Kingston	CIC Finance Director	
<b>Financial Statement for the period January 1, 2010 to December 31, 2010</b>			
	<b>Dec. 31, 2009 Actual</b>	<b>Dec. 31, 2010 Actual</b>	
<b>Assets:</b>			
Cash on Hand			
Cash in Bank	22,309.41	23,754.87	
Investments			
Special Purpose Investments (give detail on attached form)			
Accounts Receivable			
Interest Receivable			
Loans to Others			
Other (specify)			
<b>Total Assets</b>	<b>\$ 22,309.41</b>	<b>\$ 23,754.87</b>	
<b>Liabilities:</b>			
Accounts Payable	\$ 256.24		
Loans from Others			
Outstanding Cheques	900.00	679.40	
Other (specify)		350.00	Friesen
Reg Friesen Fund	9,372.04	9,022.04	
<b>Total Liabilities</b>	<b>\$ 10,528.28</b>	<b>\$ 10,051.44</b>	
<b>Equity:</b>			
Balance at Beginning of Year	10,865.05	11,781.13	
Surplus (Deficit) for the Year	916.08	1,872.30	
Balance at End of Year	11,781.13	13,653.43	
<b>Total Liabilities &amp; Equity</b>	<b>\$ 22,309.41</b>	<b>\$ 23,704.87</b>	
<i>(Total of Liabilities &amp; Equity must equal Total Assets)</i>			

Balance Sheet

## Report on the CED program for the CSC 2012 meeting (Calgary) – I. Hunt

As Ian Hunt (Chemical Education Division Program Chair for CSC 2012) was unable to attend the CSC 2011 conference, a report on the 2012 program was delivered by Wendy Benoit (University of Calgary).

Planned Symposia Titles:

- Energy in the Chemistry Curriculum
- Challenges in Teaching Chemistry
- Teaching Introductory Chemistry
- Teaching Analytical Chemistry - joint AN
- Teaching Organic Chemistry - joint OR
- Teaching Inorganic Chemistry - joint IN
- Teaching Physical/Theoretical Chemistry - joint PT

The 2012 symposium on “Energy in the Chemistry Curriculum” aligns with the theme of the CSC 2012 conference theme, “Energizing Chemistry”. The “Challenges in Teaching Chemistry” symposium will be a general session for topics with relevance across disciplines (e.g. pedagogical approaches, TA training, general technological tools, etc.). The “Teaching Introductory Chemistry” symposium will be dedicated to addressing issues specific to introductory (first-year) chemistry courses. The rest of the symposia are grouped by the discipline of chemistry being taught, allowing for cross-listing with other divisions.

Discussion of CSC2012 from those present at the AGM:

A suggestion was made during the AGM that the general symposium on “Challenges in Teaching Chemistry” could also include a discussion/panel session for open exchange of information between speakers and the audience.

Organizers from previous conferences stressed the importance of advocating strongly for appropriate room assignments for these symposia. A minimum room capacity of 100 people is needed to help prevent the space issues that have frequently been an issue within the Chem Ed symposia.

Student presentations should be grouped together and planned to take place prior to any scheduled award ceremonies.