



# CSB/SCB NEWSLETTER

December 2010

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## PRESIDENT'S MESSAGE

Hello everyone! It is hard for me to believe that 2010 is almost over. It seems like just yesterday that I was on my way to Queen's University for our biennial conference. On that note, thanks very much to Joan Stevenson and organizing group for an excellent conference. I enjoyed it very much and look forward to the next one in 2012 at Simon Fraser University.

I am honoured and excited by the opportunity to serve the CSB as President for the next two years. It is partly through my involvement in the CSB that I have developed as an academic and have had very rewarding career experiences. I started my affiliation with the CSB as a student member in 1992. Since then I have supported the society by reviewing abstracts for a number of conferences, and by serving as an executive member since 2006. One of the highlights of my career so far came in 2008 as the CSB Conference Chair for NACOB, the North American Congress on Biomechanics, a joint meeting of the CSB and ASB that has traditionally been held every six years. As a result of your participation in events such as this, I can attest that you learn a lot about yourself and your future career and life aspirations. By offering your ideas and your time, you can gain a lot personally, and help us to serve you and our other members better.

I would like to take this opportunity to thank our recent executive members Wayne Albert, Jack Callaghan, Jennifer Durkin, Sylvain Grenier, Sarah Manske, Sylvie Nadeau and Joan Stevenson for all that you have given to the society over the years. Thanks also to returning members Evelyn Anaka, Peter Keir and Stephen Perry and new members Graham Caldwell, Andrea Clarke, Pat Costigan, Cyril Duclos, Salvatore Federico, Chad Gooyers, and Stephen Robinovitch. Contact information for the executive has been included below and on the website in case you need to get in touch with us.

As we move into 2011, we are focused on a number of initiatives, including website updating/modernizing and improving our online membership process. This will help with the change to an annual membership payment structure, as decided at the general meeting in Kingston in June. We will also continue to support our existing annual regional conferences (Ontario Biomechanics Conference (OBC) and Western Biomechanics Conference (WBC)) and our first regional Atlantic Biomechanics Conference to be held in Halifax, NS in March 2011. In addition, stay tuned for more information about our next biennial conference, which is being organized by Stephen Robinovitch and team at Simon Fraser University.

In this newsletter you will see a list of some upcoming meetings and a message from our student representatives Evelyn Anaka and Chad Gooyers. I encourage all students to talk with Evelyn and Chad and bring forward your ideas. I know they are both very approachable and keen to help make the student experience through CSB as good as it can be.

I look forward to serving the members of CSB. Please feel free to contact me or any of the executive members with your ideas, suggestions or concerns.

On behalf of the CSB executive, I wish you continued prosperity and productivity in 2011.

All the best,

*David Andrews, President*

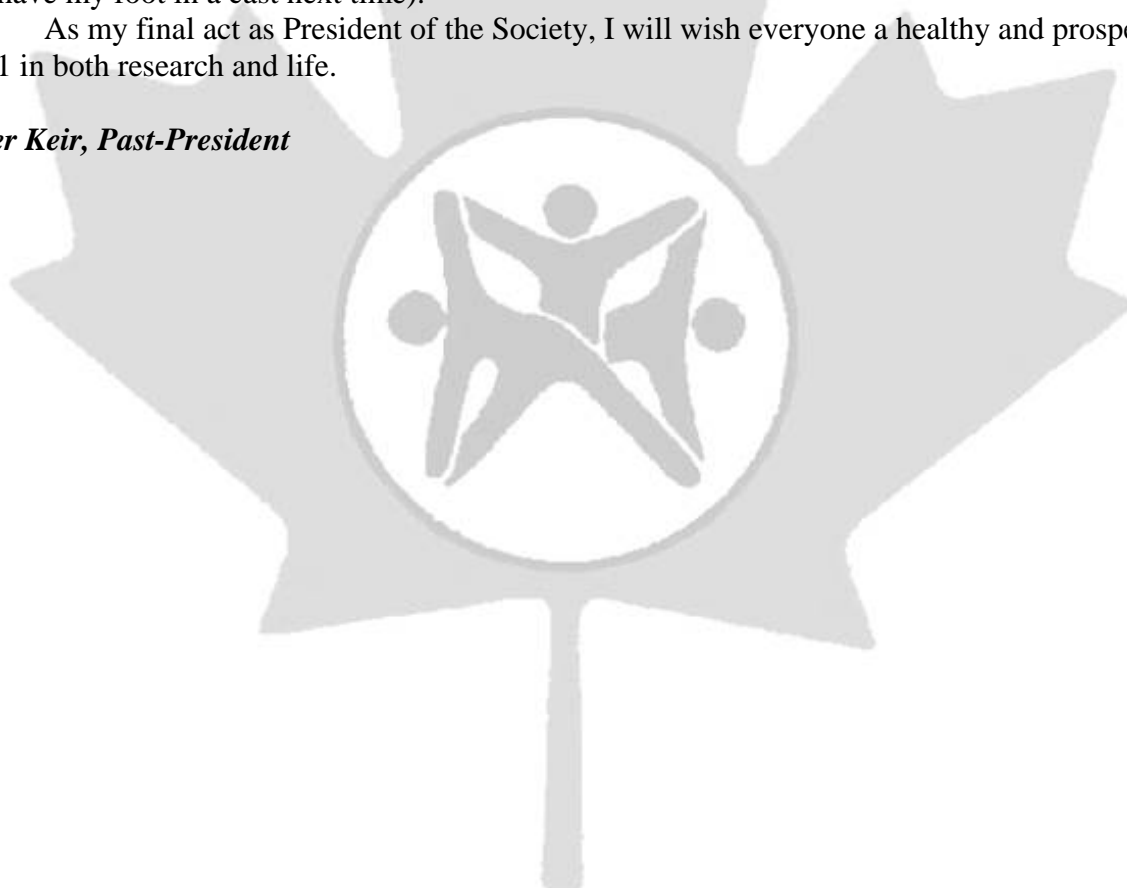
## PAST-PRESIDENT'S MESSAGE

First off, I would like wish everyone a Happy and safe Holiday Season. The new executive committee is slowly taking over the reigns from their predecessors and I look forward eagerly knowing that we are in good hands, especially being led by our new President, Dave Andrews. We will continue to improve the website, and over the next few months, we will start using the new online membership database system. We are trying to improve communication and engage the membership, so the new system should help in those endeavours as well as improve the annual dues notification and collection.

Once again I must thank Joan Stevenson and the Queen's group for producing an excellent conference under trying conditions. I doubt many of us will soon forget the dinner music provided by the band! Thanks also to Steve Robinovitch for taking charge of our next conference at Simon Frazer University in 2012. Personally, I am looking forward to returning to SFU (the conference was held there in 1996) and reliving many fond memories (hopefully I will not have my foot in a cast next time).

As my final act as President of the Society, I will wish everyone a healthy and prosperous 2011 in both research and life.

*Peter Keir, Past-President*



## COMMUNICATIONS REPORT

As we come to the end of the year I hope everyone has taken the time to prepare for a well deserved holiday. With this newsletter we are hoping to engage our membership and provide a place where faculty members/researchers can find resources and collaboration and students can find out about new funding/job opportunities and pertinent information. To this end we will start the ball rolling with the new “Thesis Corner” in this newsletter and on the website. The next newsletter we hope to add a “Research News” section. The “Research News” section can be links to newspaper articles or television appearances that involve Canadian biomechanical research or researchers. Here are a few examples: A video of Dr. Stephen Robinovitch’s appearance on the Discovery channel can be found here <http://www.sfu.ca/ipml/> and an article entitled “[Can biomechanics boost my athletic performance?](#)” involving biomechanics at the University of Calgary was published in the Globe and Mail.

We are also looking into developing a new website that will serve the Society for the long term. We are always looking for new ideas, information and feedback on the website (especially broken links). Please contact me directly with news stories, interest or information ([sperry@wlu.ca](mailto:sperry@wlu.ca)).

I hope that we can provide all of the members with up-to-date information about the various aspects of the Society and biomechanics in general over the next few years.

Thanks to the University of Ottawa for hosting our website. The Society webpage address is:

[www.csb-scb.com](http://www.csb-scb.com)

*Stephen Perry, Communications Officer and Webpage Editor*

## CSB/SCB Membership

Membership as of December 2010. We are looking into a more efficient renewal process. A membership form is provided in this newsletter or can be found on the CSB/SCB webpage. You can also safely pay dues online at:

<http://www.health.uottawa.ca/biomech/csb/membership.htm>.

Regular members	78
Student members	131
CSB Fellows	1
Lifetime members	9
<b>Total</b>	<b>219</b>

*Andrea Clark, Secretariat*

## Student Report

We would like to remind all student members that the CSB offers two Student Travel Awards annually. The awards are intended to support graduate student travel to other laboratories to expand research experience. Please see the guidelines on the CSB website for more information (<http://www.health.uottawa.ca/biomech/csb/Students/travelaward.pdf>). We plan to update the job postings on the website, so check in frequently! Please email us if you have suggestions to improve resources for student members.

**Chad Gooyers & Evelyn Anaka**

The 'Thesis Corner' and the 'Research News' sections are two new areas that we hope will continue in our biannual newsletters. Please submit recent completed masters and doctoral abstracts for publication. The thesis corner will only contain the title, name, year and institution along with a web link to the abstract on the CSB/SCB website. The research news items will start next newsletter. I encourage everyone to submit their own or their student's recently complete thesis abstracts and any Research News associated with any Canadian Biomechanics Lab to [sperry@wlu.ca](mailto:sperry@wlu.ca).

## **THESIS CORNER** (<http://www.health.uottawa.ca/biomech/csb/students.htm>)

**The role of the subtalar joint and the influence of footwear characteristics during slip perturbations.** Jessica Berrigan (MSc, 2010, Wilfrid Laurier University)

**The effect of posture category salience on decision time and errors when using video-based posture assessment methods.** Krysia Fiedler (MHK, 2010, University of Windsor)

**The effect of ankle joint rotational stiffness and localized muscle fatigue on tibial response during impact.** Nikki Nolte (MHK, 2010, University of Windsor)

**Verbal estimation of peak dynamic hand forces in experienced and novice manual material handlers.** Amber Phillips (MHK, 2010, University of Windsor)

**An investigation of shock wave propagation and attenuation in the lower extremity using finite element analysis.** Alison Schinkel-Ivy (MHK, 2010, University of Windsor)

**The Rapid Office Strain Assessment (ROSA): Validity of online self-assessments and the relationship to worker discomfort.** Mike Sonne (MHK, 2010, University of Windsor)

## UPCOMING CONFERENCES

(an updated list with links can be found at [www.csb-scb.com](http://www.csb-scb.com))

### 2011

Ontario Biomechanics Conference (OBC)

Barrie, Ontario, Canada, March 2011

(<http://www.brocku.ca/applied-health-sciences/conferences-events/ontario-biomechanics-conferenc>)

Gait and Clinical Movement Analysis Society

Bethesda, Maryland, USA, April 26-29, 2011

(<http://www.gcmas.org/>)

Canadian Medical and Biological Engineering Conference (CMBEC34)

Toronto, Ontario, Canada June 5-8, 2011

(<http://www.ficcdat.com/>)

International Society for Posture and Gait Research (ISPGR) Conference

Akita, Japan, June 18-22, 2011

(<http://ispgr.org/conferences/japan-2011/conference-overview/index.html>)

International Society of Biomechanics (ISB) Congress XXIII

Brussels, Belgium, July 3-7, 2011

(<http://www.isb2011.org/>)

American Society of Biomechanics (ASB) Conference

Long Beach, California, USA, August 10-13, 2011

(<http://www.visitlongbeach.com/asb2011>)

## EXECUTIVE MEMBERS / MEMBRES D'EXÉCUTIF CSB/SCB 2010-2012

<b>President</b>	<b>Dr. David Andrews</b> Department of Kinesiology University of Windsor Windsor, ON, N9B 3P4	Tel: +1- 519-253-3000 ext. 2433 Fax: +1-519-973-7056 Email: <a href="mailto:dandrews@uwindsor.ca">dandrews@uwindsor.ca</a>
<b>Secretary/Treasurer</b>	<b>Dr. Salvatore Federico</b> Dept of Mechanical and Manufacturing Engineering The University of Calgary 2500 University Drive NW Calgary, Alberta, T2N 1N4, Canada	Tel: +1-403-220-5790 Fax: +1-403-282-8406 email: <a href="mailto:salvatore.federico@ucalgary.ca">salvatore.federico@ucalgary.ca</a>
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<b>Past President</b>	<b>Dr. Peter Keir</b> Department of Kinesiology McMaster University Hamilton, ON, L8S 4L8	Tel: +1-905-525-9140 ext. 23543 Fax: +1-905-523-6011 Email: <a href="mailto:pjkeir@mcmaster.ca">pjkeir@mcmaster.ca</a>
<b>Past Conference Chair</b>	<b>Dr. Pat Costigan</b> School of Kinesiology and Health Studies Queen's University Kingston, ON K7L 3N6	Tel: + 1-613 533-6000 ext 79037 Email: <a href="mailto:pat.costigan@queensu.ca">pat.costigan@queensu.ca</a>
<b>Secretariat and Member Affairs</b>	<b>Dr. Andrea Clark</b> Faculty of Kinesiology University of Calgary 2500 University Drive NW Calgary, AB, T2N 1N4, Canada	Tel: +1-403-220-3184 Email: <a href="mailto:alclark@kin.ucalgary.ca">alclark@kin.ucalgary.ca</a>
<b>Communications and Webpage</b>	<b>Dr. Stephen Perry</b> Kinesiology & Physical Education Wilfrid Laurier University 75 University Avenue West Waterloo, ON, N2L 3C5	Tel: +1-519-884-0710 ext.4215 Fax: +1-519-747-4594 Email: <a href="mailto:sperry@wlu.ca">sperry@wlu.ca</a>
<b>Members at Large</b>	<b>Dr. Graham E. Caldwell</b> Department of Kinesiology School of Public Health/Health Sci Univ of Massachusetts Amherst Totman Building, Room 105 30 Eastman Lane, Amherst, MA 01003	Tel: 1-413-545-0017 FAX: 1-413-545-2906 E-mail: <a href="mailto:gc@kin.umass.edu">gc@kin.umass.edu</a>
	<b>Dr. Cyril Duclos</b> School of rehabilitation Université de Montréal C.P. 6128, succursale Centre-ville Montréal, QC, Canada, H3C 3J7	Tel: 514 343 6111, ext 26381 Fax: 514-343-6929 Email: <a href="mailto:cyril.duclos@umontreal.ca">cyril.duclos@umontreal.ca</a>
<b>Student Members</b>	<b>Mr. Chad Gooyers</b> Department of Kinesiology University of Waterloo 200 University Ave. West Waterloo, ON, N2L 3G1	Email: <a href="mailto:cgooyers@uwaterloo.ca">cgooyers@uwaterloo.ca</a>
	<b>Ms. Evelyn Anaka</b> School of Kinesiology University of Michigan 401 Washtenaw Av Ann Arbor, MI, USA 48109	Tel +1-734-660-5226 Email: <a href="mailto:evana@umich.edu">evana@umich.edu</a>



# CSB Annual General Meeting – Minutes June 12, 2010

Meeting Called to Order: 12:30pm

## 1. Approval of Agenda

- motion to approve agenda was moved by J. Callaghan and D. Andrews
- agenda was approved unanimously

## 2. Approval of the Previous Minutes

- motion to approve the minutes of the 2008 AGM minutes circulated in the CSB newsletter was moved by W. Herzog and J. Stevenson
- minutes were approved unanimously

## 3. President's Message

### • President's Award

- this award recognizes the best poster in terms of innovation and impact and was presented to Dany Gagnon
- the judging of the posters was done by a panel of the past-president's of CSB in attendance at the conference

### • Regional Conferences

- The Ontario Biomechanics Conference (OBC) and the Alberta Biomedical Engineering (Western Biomechanics Conference) continue to hold annual meetings that CSB continues to provide \$500 of funding

### • Motions

- **"to collect CSB Memberships on a yearly basis rather than the current practice of biennially"** (moved by G. Dumas and K. Deluzio)
  - carried
- **"to have the CSB moved to electronic voting on items that arise requiring membership approval"** (moved by S. Perry and W. Herzog)
  - carried

## 4. Executive Committee Elections

- President: Dave Andrews (U Windsor)
- Past-President: Peter Keir (McMaster U)
- Past-Conference Chair: Pat Costigan (Queen's U)
- Conference Chair: Stephen Robinovitch (Simon Fraser U)
- Secretariat: Andrea Clark (U Calgary)
- Secretary/Treasurer: Salvatore Federico (U Calgary)
- Communications: Stephen Perry (Wilfrid Laurier U)
- Member-at-Large: Graham Caldwell - (U Mass)
- Member-at-Large: Cyril Duclos - (U Montreal)
- Student Member: Chad Gooyers (U Waterloo)
- Student Member: Evelyn Anaka (U Michigan)

## 5. Reports

- **2010 Conference (J. Stevenson)**

- J. Stevenson thanked the 18 student volunteers and 10 Faculty members involved in making the conference a success.
  - A special thanks went out to Pat Costigan and Genvieve Dumas for their time and commitment in organizing the conference
- **Secretariat Report on Finances (P. Keir)**
    - Attached
      - Financial\_report\_2008-Jan-Dec
      - Financial\_report\_2009
      - June 2010 Membership Statistics
- **Past Conference - NACOB 2008 (D. Andrews)**
    - 800 delegates attended
    - abstracts are still available on the NACOB website
- **Communications (S. Perry)**
    - the website is continuing to be updated. One new initiative has been the addition of the thesis corner
    - the membership is encouraged to provide ideas on communication and website improvements
- **Student Report (E. Anaka)**
    - the students look to initiate a "where are they now " component on the website to provide a network of recent graduates and a possible mentorship program
- **Student Travel Awards (P. Keir)**
    - John Donnelly was the recipient of the award and used the award to travel back to North America from Australia to conduct research
    - only half of the travel grant money was used this year
- **NDI, Career and Fellow Awards (P. Keir)**
    - there were 33 and 17 applications for the Master and Doctoral NDI awards, respectively
    - NDI MSC AWARD - Erin M Sadler, Queen's University
    - NDI Doctoral Award - Sarah L Manske, University of Calgary
    - NDI Promising Young Investigator, Clark Dickerson, University of Waterloo
    - there was no Career Award this year
    - there were no applications for Society Fellow this year
- **17th Biennial CSB Conference 2012 (S. Robinovitch)**
    - Simon Fraser University, Burnaby BC from June 6-9, 2012
- 6. Open Access Journal (D. Andrews)**
- D. Andrews has been investigating the possibility of an Open Access Canadian Biomechanics Journal and provided an overview for the membership.
  - The key points raised in the discussion were:
    - it would be Open Access and would probably result in quicker turnaround times
    - the control over the journal would be ours (CSB), requiring CSB community to serve as editors and reviewers

- it would be an avenue for publishing theses
- The key concerns were:
  - what is the Scope of the journal
  - it would have a low impact to start which would be a deterrent for many to consider submitted work
  - the cost of submitting and publishing in the journal
- a straw vote was held indicating interest in getting a proposal together to develop the scope of the journal

Motion to Adjourn (C. Kozey, G. Caldwell)

Meeting Adjourned: 1:45 pm

CANADIAN SOCIETY FOR BIOMECHANICS  
SOCIÉTÉ CANADIENNE DE BIOMÉCANIQUE

BILAN FINANCIER 2008 FINANCIAL REPORT

(January 1, 2008 to December 31, 2008  
(1 janvier 2008 au 31 décembre 2008))

<b>INCOME</b>		<b>REVENUS</b>
Opening balance	\$ 43,893.02	Solde antérieur (2007)
Interest Earned	0.00	
Membership Fees	7,500.00	Cotisation des membres
NDI YIA Awards – NACOB 2008	2,000.00	
HK Travel Award	300.00	
Fellowship	50.00	
Total	\$53,743.02	Total
<b>EXPENSES</b>		<b>DÉPENSES</b>
2008 Travel Award – Tyson Beach	3,000.00	
2008 Conference Travel Grants	6,300.00	
NDI YIA – NACOB 2008	2,000.00	
Total Bank Charges	395.63	
Postage, Cheques, Credit Card Slips	167.55	
NACOB 2008 Expenses	1,723.99	
Website Maintenance	200.00	
CSB Executive Dinner – NACOB 2008	477.78	
Total	\$14,264.95	Total
<b>BALANCE</b>	<b>\$39,478.07</b>	<b>SOLDE</b>

CANADIAN SOCIETY FOR BIOMECHANICS  
 SOCIÉTÉ CANADIENNE DE BIOMÉCANIQUE

BILAN FINANCIER 2009 FINANCIAL REPORT

(January 1, 2009 to December 31, 2009  
 (1 janvier 2009 au 31 décembre 2009))

<b>INCOME</b>		<b>REVENUS</b>
Opening balance	\$ 39,478.07	Solde antérieur (2009)
Interest Earned	0.00	
Membership Fees	4,000.00	Cotisation des membres
<b>Total</b>	<b>\$43,478.07</b>	<b>Total</b>
<b>EXPENSES</b>		<b>DÉPENSES</b>
2009 Travel Award – Cyril J. Donelly	3,000.00	
Awards: OBC 2008, OBC 2009, WBC 2008, WBC 2009	2,000.00	
Total Bank Charges	222.80	
Postage, Cheques, Credit Card Slips	17.35	
CCRA Fees – 2008, 2009	60.00	
CSB 2010 Advance	5,000.00	
<b>Total</b>	<b>\$ 10,300.15</b>	<b>Total</b>
<b>BALANCE</b>	<b>\$33,177.92</b>	<b>SOLDE</b>





Membership Application/Demande D'Adhesion

**Required Information / Renseignements Obligatoires**

Name / Nom: \_\_\_\_\_

Address / Adresse: \_\_\_\_\_

City / Ville: \_\_\_\_\_

Province / Province: \_\_\_\_\_

Postal Code / Code Postal: \_\_\_\_\_

Membership / Admission:  Regular / Régulier  Student / Étudiant(e)

Telephone / Téléphone: \_\_\_\_\_

Email Address / Courrier électronique: \_\_\_\_\_

Credit Card / Carte de Crédit:  MasterCard  VISA

Card Number / Numéro de la carte: \_\_\_\_\_

Name on Card / Nom inscrit sur la carte: \_\_\_\_\_

Expiration Date / Date d'expiration: \_\_\_\_\_

**Optional Information / Renseignement Facultatif**

Fax / Télécopie: \_\_\_\_\_

Current Research / Recherche Courante: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Degrees / Diplôme: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Areas of Research / Intérêts de recherche: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Secretariat, Canadian Society for Biomechanics  
c/o Dr. Andrea Clark  
Faculty of Kinesiology, University of Calgary  
2500 University Drive NW  
Calgary, AB, T2N 1N4, Canada  
Email: alclark@kin.ucalgary.ca

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