



# NEWSLETTER

December 2000

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## PRESIDENT'S MESSAGE

Greetings to my biomechanics colleagues across the country. I hope this brief report finds you well. The executive has been active on several issues over the past year including the dominant activity, the bi-annual meeting. Francois Prince and his team in Montreal have been working extremely hard to ensure a good meeting -- the CSB/FSB program looks very promising and exciting with four very prominent keynote lectures, several symposium and debates and over 220 presentations. I'm also very pleased to announce the CSB career award recipient will be Professor Micheline Gagnon from the University of Montreal. I was also very encouraged to see the number of students who have submitted their work for consideration for the new investigator awards.

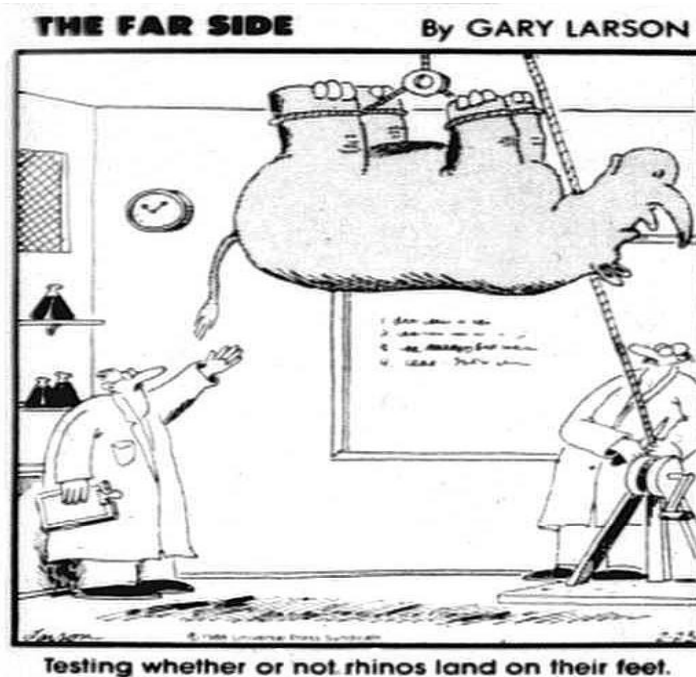
The society is progressing towards a solid financial footing and will be proposing plans for the continued development of the millennium fund -- designed to support biomechanics initiatives across the country. The executive has also been working towards the establishment of Fellows of the CSB. The requirements for this special designation will be presented for vote at the annual general meeting during the Montreal conference.

The executive, following discussion at the last annual general meeting, has agreed in principle to join the American Society for Biomechanics in participating in a joint meeting with the World Congress on Biomechanics in Calgary, in 2002. We are looking for a site for the meeting in 2004, and it has been suggested that perhaps a meeting in eastern Canada would be timely.

I look forward to seeing all of you in Montreal for sharing of ideas, laughs, and hopefully a beer.

Salut et Cheers,

*Stu McGill, President*



## COMMUNICATIONS OFFICER'S MESSAGE

The webpage seems to be a hit. We passed the 7000 hit mark in December. We have also had our page listed as one of the top five "organization" webpages by the Biomaterials Network.

Plans for the webpage include making the site bilingual, probably by the end of January and to make available lists of the papers and posters presented at all the biannual conferences. In some case we will also make the abstracts available online. To date, the programs from the first seven conferences have been scanned and placed on the website at:

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

The seventh conference is already online through the ASB website. In the future we will develop a search engine to assist researchers finding articles by subject, author and title. You can also find a links to all the major Canadian universities and links to graduate programs which include a biomechanics component. If your program is not listed please contact me at:

[dger@uottawa.ca](mailto:dger@uottawa.ca).

If you have material that you would like to contribute to the website feel free to send and share it with your colleagues. At present there is no restriction on who may access these materials. In the future we plan to restrict access to some materials to CSB/SCB members only.

*D. Gordon E. Robertson, Communications and Webpage Editor*

## REPORT ON 2000 CONFERENCE

### REPORT ON THE 11<sup>th</sup> CSB CONFERENCE, MONTREAL, 23-26 AUGUST 2000

Dear CSB/SCB members,

First I would like to thank Stuart McGill for his tremendous work as President of the CSB/SCB and co-chairman of the last NACOB meeting in Waterloo. During his mandate, the CSB/SCB has grown strong. For example, the CSB/SCB Fellows Program (Gordon Robertson) and the Millenium Fund (Tim Bryant and Cheryl Kosey) portfolios are progressing very well. I would also like to thank Janice Eng for her work as Secretary of the Society and especially Denis Gravel for his work as Treasurer and head of the Secretariat.

Both co-president Jean Dansereau and I were very pleased to host the combined SB-CSB/SCB meeting in Montreal last August. For the first time, biomechanists from French Europe had the opportunity to meet their Canadian colleagues. This congress was a success because of the large number of participants (N=278) with 216 from North America and 62 from Europe. As usual, the number of students was also significant, 156 students vs. 122 regular members. The financial account is still only partially completed. The Bureau of Congress has not received all the invoices and payments to close their books. It would appear that there will be no budget deficit.

*François Prince, Conference Chair*

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## **CSB on the WEB**

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Our website continues to grow. We have passed the 3000 hit mark in The address is:

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

Many useful documents are now located at this site. Some of the documents are printed in Adobe's Portable Document Format (.pdf). These require that your computer have Acrobat Reader installed on your computer. This free software is available from Adobe at:

**<http://www.adobe.com/prodindex/acrobat/readstep.html>**

A recent addition to the webpage is a list of all the major Canadian universities websites with extra links to graduate programs in biomechanics and related fields. This list of graduate programs is incomplete so if yours is not included please send a message with the link (URL) to the webpage editor listed below. The link to the Canadian universities is:

**[http://www.health.uottawa.ca/biomech/csb/univ\\_can.htm](http://www.health.uottawa.ca/biomech/csb/univ_can.htm)**

For those that need to find American universities try:

**<http://www.ecola.com/college/>**

Another important list of links includes most of the major national and international research and professional societies in biomechanics, kinesiology and related fields. For this list use:

**<http://www.health.uottawa.ca/biomech/links.htm>**

Please feel free to send comments or contribute data or software to the site. Send your information by email to Gord Robertson at **[dger@uottawa.ca](mailto:dger@uottawa.ca)**.

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## **CSB 2002**

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The next meeting of CSB will be held in Calgary in association with the American Society of Biomechanics and the World Congress of Biomechanics.

Information about the conference will be posted on the CSB website when they become available.

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## **Dues**

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Dues for 2000 are due now. You are welcome to start sending them with an updated membership form to the new permanent secretary Darren Stefanyshyn (address under "Executive Members").

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# Student Travel Award

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## CSB/SCB Graduate Student Travel Award 2001 Grant Guidelines (Revised 13 December 2000)

Student members of CSB are eligible for the following grant. The CSB/SCB membership approved an award in the amount of up to \$3000 at the AGM in August 2000. One grant will be awarded in 2001. The application form is available from the CSB website at:

<http://www.health.uottawa.ca/biomech/csb/travelform.pdf>

The purpose of the grant is to support a graduate student in a Masters program to travel to another laboratory to facilitate expanding their research experience and to promote cross-fertilization among laboratories. A report on the accomplishments during the trip submitted to the CSB executive will be expected within one month after the trip is completed.

### Eligibility

Student must be in a Masters graduate program pursuing biomechanics research.

Student must be a member of CSB/SCB.

Student's supervisor must be a member of CSB/SCB.

Destination supervisor must be a member of CSB/SCB (or a strong case must be made as to why this lab is the best destination?)

### Process

Students must submit their completed application to the CSB/SCB executive by 31 March 2001.

The applications will be reviewed by the CSB/SCB members-at-large using the criteria stated below.

The applicants will be notified by 1 May 2001 of the status of their application.

The successful applicant will be required to submit a report on the accomplishments, and the budget within one month after completing the trip.

The successful applicant will be required to present their work at the CSB 2002 in a special session.

### Application (require 3 copies of all documentation)

1. Completed application form.
2. A three page proposal which includes the purpose of the visit, timetable, activities to be involved, the total budget for the visit (including other financial assistance, etc.).
3. CV of the applicant: 2-3 pages in length (include list of publications, presentations, current grade point average, memberships in professional societies).
4. Document from the host institution verifying support for the visit.
5. A recommendation letter of support for the travel from the applicant's supervisor who must also be a CSB member at the time of application.

### Criteria

How well the proposed activity fits within the mandate of CSB/SCB.

Quality of the applicant with respect to academic indicators (CV, academic standing, presentations or publications and letter of support).

Quality of the proposed activity.

Need for the exchange (i.e., equipment not available, learning a new measurement or analytical technique, availability of a specific study population etc.).

Eligibility met.

Feasibility of student achieving project goal.

#### Adjudication

Three members of the CSB executive will form the Student Travel Grant Awards Committee. They will review the applications independently and rank all of the applications. The rankings will be submitted to the Chair of the Student Travel Grant Awards Committee. The Chair will initiate a meeting (via teleconference) to make a final decision. An attempt will be made to make a decision by consensus otherwise it will be a majority vote. A recommendation will be made to the CSB/SCB executive for disbursing the funds and administering the funding.

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## Fellows' Program

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The CSB/SCB at its last biannual meeting in Montreal adopted the following standards for a new class of member, Fellow of the Society. To be awarded this distinction candidates for the first two years of the program should nominate themselves. The Society has retroactively named the four current Career Award winners as Fellows. These people must not be contacted to nominate other members at least until the year 2002.

To become a Fellow, members should submit a letter to the Secretariat (see below) accompanied by a *curriculum vitae*. In the cover letter the member should identify the publications and presentations that count towards fulfilling the criteria listed below. The member should also identify the approximate year when they became a member and student member, if applicable, of the Society.

Note, at the last Executive Committee meeting (13 Dec. 2000) a fee of fifty dollars (\$50 CDN) was approved to help defray the costs of processing applications. It was further approved that applicants be required to fill out a form that identifies the criterion necessary for recommendation to Fellow status. This form is available from the website with URL:

<http://www.health.uottawa.ca/biomech/csb/application.pdf>

#### **Send applications to:**

Secretariat, Canadian Society for Biomechanics  
c/o Dr. Darren Stefanyshyn  
Faculty of Kinesiology  
2500 University Drive NW  
University of Calgary  
Calgary, AB, T2N 1N4

#### **Criteria for nomination to Fellow status in the Canadian Society for Biomechanics**

Shall have demonstrated high standards of academic development and a commitment to the goals and long range activities of the Society:

- ! Shall have been a member of the Society for eight consecutive years (up to two of which may have been earned as a student member) immediately prior to applying for Fellowship.

- ! Shall have attended at least three biannual meetings of the Society during the past ten years.
- ! Publication of at least eight full papers on biomechanics as principal author in peer reviewed journals of national or international distribution such as those listed in Index Medicus or Current Contents, in addition ten publications from any combination of invited book chapters or coauthored refereed publications.
- ! Shall have authorship of at least ten papers at biannual meetings of the Society.
  - Authorship includes being presenter or supervisor of the research.
- ! (To be implemented in the year 2002) Shall have received recommendation for advancement to Fellow status in writing from two current Fellows of the Society.
  - For years 2000 and 2001 members may nominate themselves for Fellow status. Note, do not contact any current Fellows (see below) for nomination until after 31 Dec. 2001.

Current and future Career Award winners will automatically be elevated to Fellow status. Therefore, the first Fellows of the Society are: Drs. David Winter, Robert Norman, Gavin Reid and Micheline Gagnon. Please do not contact these Fellows for nomination until after 31 December 2001.

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## Membership Report

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Submitted by Dr. Denis Gravel (Août 2000 August).

	Membres Réguliers / Regular Members	Membres Étudiants / Student Members
Canada	41	33
USA	7	1
Totals	48	34
Grand total	82	

Down from 1998 which had 116 members (75 regular, 41 student).



# Minutes of the Annual General Meeting, 2000

25 August 2000, Montreal, QC

Present: Stu McGill (President), Francois Prince (Conference Co-Chair), Jean Dansereau (Conference Co-Chair), Denis Gravel (Secretariat), Gord Robertson (Communications), Greg Wohl (Student Rep.), Cheryl Kozey (Member at Large), Tim Bryant (Member at Large), Janet Ronsky (Member at Large), Steve Prentice (Acting Secretary-Treasurer: for Janice Eng).  
A total of 38 members in attendance including the above.

1. **Opening & Presentation of Agenda** : Stu McGill

2. **Approval of Minutes of 1998 AGM:** Moved: Denis Gravel 2<sup>nd</sup> : Ron Zernicke  
Discussion: None **CARRIED**

3. **Presentation to Past President:** Stu McGill

- plaque to honour contributions of Tim Bryant during his tenure as President of the CSB

4. **Reports**

a) Secretariat: Denis Gravel

**S** see attached budget and membership report

**S** new issues include: high return from NACOB '98, high secretariat costs for administrative support, career award costs, new fee levels and low membership

Discussion: How do I know if I am a member in good standing? *Ask Secretariat*  
Great concerns over *low paid* membership!  
Was this correlated with the increase in fees? *No, has been a problem for some time.*  
Need greater differential in member/non-member registration fees.  
This year it was cheaper to register as a non-member than to pay fees and register as a member. *This will change, this year a result of the recent change in fee structure.*

b) Communications Officer: Gord Robertson

**S** Web site has exceeded 5000 hits and recently received an award from the Biomaterials Society as one of the top 5 sites for scientific content

**S** beginning to work towards making the web site bilingual

**S** newsletter not released and will wait and report after completion of the conference

**S** newsletter now only published on the internet

**S** web site includes links to all Canadian Ph.D. and Masters Biomechanics programs



c) Members at Large - Millenium Fund : Cheryl Kozey

- S introduction of proposal to initiate a capital fund for innovative projects
- S initial project is to provide student research travelships (approx. \$5 000 /award) to cover travel and living expenses to promote cross-fertilization of biomechanics research
- S the initial goal is to generate \$100 000 capital in 5 years (i.e. \$20 000 /year), currently the fund holds \$17 000 with \$5 000 /year to be added from membership dues and the remainder to come from corporate sponsorship
- S several options were proposed for corporate sponsorship including: naming opportunities (fellowships, awards, etc.), corporate presence on CSB media, sustainable corporate membership, and sale of membership list.
- S Members at Large wanted help in establishing guidelines for access of member information and/or use of CSB name and logo on commercial literature
- S in general the membership was supportive of corporate sponsorship given the ongoing contribution that many of these companies have provided, however there was some concern over the corporate pressure and the potential loss of control of certain society activities that may accompany such sponsorship.
- S membership was opposed to sale of membership data but in favour of allowing corporate use of CSB name and logo

**Motion:** The membership agrees with corporate sponsorship and naming opportunities but will not sacrifice any scientific integrity in the administration of awards or other society activities.

**Moved:** Walter Herzog 2<sup>nd</sup> : Brad McFadyen

**Discussion:** it was noted that some companies may wish to provide awards in specific areas of research

**CARRIED** (unanimous)

**Motion:** To establish the first CSB travel fellowship to be awarded in 2001 for a value not to exceed \$3 000.

**Moved:** Cheryl Kozey 2<sup>nd</sup> : Janet Ronsky

**Discussion:** clarification of nature of award and eligibility

**CARRIED** (1 opposed)

**5. Montreal Conference Report:** Francois Prince and Jean Dansereau

- S total of 241 preregistered attendees from 9 countries plus 32 walk in registrations
- S expect balanced budget with \$115 000 revenues which includes \$23 000 from grants sponsors and exhibits

S there was some discussion of the elimination of the registration rebates that were provided to CSB student members in the past and the contrast to the development of the travel fellowships

**6. CSB Fellows Proposal:** Gord Robertson

S introduction of a new CSB membership status: see attached guidelines

**Motion:** The Executive is moving to establish a new class of membership called a Fellow of the Society and will work towards establishing criteria for this new membership.

**Moved:** Greg Wohl 2<sup>nd</sup>: Walter Herzog

**Discussion:** none

**CARRIED** (unanimous)

**7. 2002 CSB Conference:** Janet Ronsky

S 2002 conference to be held in conjunction with the WCB in Calgary and expect to include: CSB keynote, CSB Locomotion Symposium, CSB Young Investigator session, CSB Travelling Fellow session, CSB career award, CSB AGM and opening address from CSB representative

S contact Janet Ronsky, CSB-WCB liaison, with any additional ideas for symposia

**8. 2000-2002 CSB Executive**

President - Francois Prince (acclaimed)

Secretary/Treasurer - Steve Prentice (elected)

Communications Officer- Gord Robertson (acclaimed)

Secretariat - Darren Stefanyshyn (acclaimed)

Student Rep. - Marilyn. Powers (acclaimed)

Members at large: Tim Bryant (acclaimed), Cheryl Kozey (acclaimed),  
Joe Hamill (acclaimed), Ron Zernicke (acclaimed)

CSB/WCB Liaison: Janet Ronsky (acclaimed)

**9. Other Business**

S SB President wishes to form association with CSB however following some discussion regarding ambassadors it was suggested that any association should be informal and that the ISB is the place for more formal associations between societies.

S discussion of added value of CSB membership?

S discussion of members only Web portal

**Motion for adjournment:** Greg Wohl 2<sup>nd</sup> : Janet Ronsky **CARRIED** (unanimous)

**Steve Prentice Acting Secretary-Treasurer**

# EXECUTIVE MEMBERS / MEMBRES D'EXÉCUTIF

## CSB/SCB 2000-2002

<b>President</b>	Dr. Francois Prince Département de kinésiologie Université de Montréal C.P. 6128, succursale centre-ville Montréal, QC, H3C 3J7	Phone: 514-343-7784 Fax: 524-343-2181 Email: francois.prince@umontreal.ca
<b>Secretary/Treasurer</b>	Dr. Stephen Prentice Department of Kinesiology University of Waterloo Waterloo, ON, N2L 3G1	Phone: 519-885-1211 ext. 6830 Fax: 519-746-6776 Email: mcgill@healthy.uwaterloo.ca
<b>Secretariat and Member affairs</b>	Dr. Darren Stefanyshyn Faculty of Kinesiology University of Calgary 2500 University Drive NW Calgary, Alberta, Canada, T2N 1N4	Phone: 403-220-8637 Fax: 403-284-3553 Email: darren@kin.ucalgary.ca
<b>Communications</b>	Dr. Gordon Robertson School of Human Kinetics University of Ottawa Ottawa, ON, K1N 6Y1	Phone: 613-562-5800 ext. 4253 Fax: 613-562-5149 Email: dger@uottawa.ca
<b>Members at Large</b>	Dr. Tim Bryant Dept. of Mechanical Engineering Queen's University Kingston, ON, K7L 3N6	Phone: 613-545-2564 Fax: 613-545-6489 Email: bryant@me.queensu.ca
	Dr. Joe Hamill Totman 110 Department of Exercise Science University of Massachusetts Amherst, MA, USA, 10003-7805	Phone: 413-545-2245 Fax: 413-545-2906 Email: jhamill@excsci.umass.edu
	Dr. Cheryl Kozey School of Physiotherapy Halifax, NS, B3H 3J5	Phone: 902-494-2635 Fax: 902-494-1941 Email: cheryl.kozey@dal.ca
	Dr. Ron Zernicke Faculty of Kinesiology University of Calgary 2500 University Drive NW Calgary, Alberta, Canada, T2N 1N4	Phone: 403-220-5607 Fax: 403-270-0448 Email: zernicke@ucalgary.ca
<b>WCB-CSB Liason</b>	Dr. Janet Ronsky Dept. of Mechanical Engineering University of Calgary 2500 University Drive NW Calgary, AB, T2N 1N4	Phone: 403-220-8134 Fax: 403-282-8406 Email: jlronsky@ucalgary.ca
<b>Student Member</b>	Ms. Marilyn Powers University of Calgary 2500 University Drive NW Calgary, Alberta, Canada, T2N 1N4	Phone: Fax: Email: mjpowers@ucalgary.ca

**CANADIAN SOCIETY FOR BIOMECHANICS  
SOCIÉTÉ CANADIENNE DE BIOMÉCANIQUE**

**Membership Application/Demande d'Adhésion**

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

Degrees or Diplomas/Diplômes \_\_\_\_\_

Business Address/Adresse d'affaires \_\_\_\_\_

Postal Code/Code Postal \_\_\_\_\_ Phone \_\_\_\_\_

E-Mail \_\_\_\_\_ Fax \_\_\_\_\_

Home Address/Adresse Personelle \_\_\_\_\_

Postal Code/Code Postal \_\_\_\_\_ Phone \_\_\_\_\_

Area(s) of Research/Intérêts de recherche \_\_\_\_\_

**Membership Class**

**Member (\$50.00)      Membre (50,00 \$)**

**Student (\$20.00)      Étudiant (20,00 \$)**

Mastercard no. \_\_\_\_\_ Expiry date \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

*Send this form with your remittance to:      Renvoyer ce Formulaire avec votre cotisation à:*  
**Secretariat, Canadian Society for Biomechanics,**  
c/o Dr. Darren Stefanyshyn, Faculty of Kinesiology, University of Calgary,  
2500 University Drive NW , Calgary, Alberta, Canada, T2N 1N4

## APPENDIX

### FINANCIAL REPORT      1999      BILAN FINANCIER (Montréal account)

<b>INCOME</b>		<b>REVENUS</b>
Opening balance (1999)	1 811.24	Solde antérieur
Membership fees	890.00	Cotisations des membres
Sale of Proceedings	437.08	Vente des compte-rendus
Return from 1998 conference	10 432.00	Retour du congrès 1998
Total Income	13 570.32	Total
<b>EXPENSES</b>		<b>DÉPENSES</b>
Secretariat	826.09	Secretariat
Service charges	127.72	Frais de services bancaies
Career award expenses	717.70	Frais pour le Scientifique de carrière
Incorporation	40.00	Incorporation
Total Expenses	1711.51	Total
<b>BALANCE</b>	<b>11 858.81</b>	<b>SOLDE</b>

### FINANCIAL REPORT      2000      BILAN FINANCIER (Montréal account)

<b>INCOME</b>		<b>REVENUS</b>
Opening balance (1999)	11 858.81	Solde antérieur
Membership fees	5505.93	Cotisations des membres
Sale of Proceedings	45.00	Vente des compte-rendus
Total Income	17 409.74	Total
<b>EXPENSES</b>		<b>DÉPENSES</b>
Service charges	109.81	Frais de services bancaies
Incorporation	30.00	Incorporation
Total Expenses	139.81	Total
<b>BALANCE</b>	<b>17 269.93</b>	<b>SOLDE</b>