

NEWSLETTER

December, 1996

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PAST PRESIDENT'S MESSAGE

When I accepted the invitation to become an executive member of the CSB, I had two (what appeared) modest goals in mind: First, I felt that the scope of the CSB Conference should be broadened. Building on the existing strengths of locomotion, other areas such as muscle mechanics, ergonomics, orthopaedic biomechanics, etc. should be fostered.

Second, I felt that the New Investigator's Awards should receive more attention, and through increased participation and high quality submissions should be made an attractive goal for our up and coming scientists.

As I am leaving now, I think these two goals have been achieved. The Conference at Simon Fraser University had a broad scope with a variety of excellent symposia, special lectures, workshops, and regular presentations. Also, the number of applicants for the New Investigator's Awards exceeded 30 for the first time; the quality of the science presented by the finalists was, in my opinion, the best I have witnessed at any CSB Conference, and the special session for the finalists of the Award was the best attended session of the entire Conference.

However, other things have changed as well. The past two CSB Conferences had budgets and numbers of participants which almost doubled previous budgets and participation. Also, the keynote lectures, invited symposia, and the regular registrants have become increasingly international. Several non-Canadians told me that they considered the CSB Conference their international scientific gathering in the in between years of the ISB Conference. Where have we gone to? Do we want to increase the internationality and the number of participants in the Conferences to come? Or, do we want to retreat and go back to the more Canadian and family-style conference we have known for so long? These are questions that the new executive must deal with, and these are questions that we, as members of the Canadian Society for Biomechanics, must face and come to terms with.

I like the internationality of research and science, the power and thrill of a large scientific

gathering; at the same time, I love to go to a small meeting where everybody knows everybody, where formality is not required, and where the most brilliant ideas come late at night in dark, smoke-filled rooms. So, where do we go from here?

It has been a pleasure and privilege to serve the Canadian Society for Biomechanics as Secretary Treasurer, Conference Chair, and President. I am looking forward to the future gatherings of our Society, where I, once again, can fully enjoy the science without worrying about budgets, attendance numbers, and burnt out light bulbs in slide projectors.

I would like to take this opportunity to thank all executive members I had the pleasure to work with these past six years. It has been a very special and rewarding experience. I also would like to encourage the new executive to take charge and lead us through many more excellent and enjoyable CSB Conferences. Some of the best biomechanics research happens in this country. We have an obligation to encourage and foster this work and, through the CSB Conference, present it to our Society members and the international community who attend our Canadian gathering.

Walter Herzog, Past President

PRESIDENT'S MESSAGE

It always seems like a formidable task when taking on the duties which have impressive titles. It's especially so when your predecessors excelled in the position. My thanks

especially to Walter Herzog for leaving the Society in such excellent shape as he moves on to Past President.

One of the unsung heroes in any society is the Conference Chair. Andy Hoffer and his team did an outstanding job this year and not only sacrificed professional time, but family time as well. I can assure everyone on the conference committee that their efforts will be appreciated for many years. As a way of singing about heroes beforehand - I'd like to thank Stu McGill for undertaking the Conference Chair job for 1998.

On a personal note, I would like to thank Geneviève Dumas as our outgoing Newsletter Editor. This is a demanding job since it requires literary skills, organizational skills and the ability to coerce material out of the most reluctant of colleagues.

On the matter of direction for the Society, I'm looking forward to meeting with the executive in the new year and hope to form some new initiatives. Of key interest is corporate sponsorship and industrial involvement in the Society. Of course, the student focus and the recognition of excellence will remain at the cornerstone of the Society.

Please do not hesitate to contact your ever-friendly executive if you have an idea or opinion.

Tim Bryant

REPORT ON 1996 CONFERENCE

REPORT ON THE NINTH CSB CONFERENCE AT SFU, 21-24 AUGUST, 1996

The 9th Biennial Conference of the Canadian Society for Biomechanics was held for the first time in the Vancouver, British Columbia area on August 21-24, 1996. A total of 244 participants, one third from outside Canada, converged at the Simon Fraser University campus on Burnaby Mountain for three days of scientific exchange and superb weather. Sessions were held at the new West Mall Complex, overlooking the North Shore mountains across the Burrard Inlet. Some 150 of the conference attendees were lodged in the student residences, at very reasonable cost.

Of 150 submitted papers, about 100 were presented in slide sessions and 50 were presented in poster sessions. In addition, five special invited symposia featured 26 international speakers. The Proceedings of the conference were published in a 406 page volume. Added interest was brought by the participation of the members of the Executive Council of the International Society for Biomechanics, who arranged to hold their annual meeting during the CSB conference. A Career Award was presented to Bob Norman, the winners of the New Investigator Award competition were M. Esterle (Master's level) and S. Judex (Open level), and the Best Poster Award went to S. Zachariah.

Just prior to the start of the conference, three experimental satellite half-day mini courses were offered that turned out to be very popular with 161 registrants in total, including many students. Judging from this interest and from feedback received from participants, this effort is well worth repeating in future CSB meetings.

The conference had total budgeted expenses of about \$53,500 that were fully met by income received which included \$5,000 seed contributions from the CSB and from Simon Fraser University and fees from six exhibitors. Registration fees included a memorable boom-on-the-boat, dinner cruise along the Burrard Inlet, Indian Arm and back along English Bay.

On behalf of the members of the Organizing Committee, Janice Eng, Ted Milner, Arthur Chapman and myself from SFU and Dave Sanderson and Tony Hodgson from UBC, I would like to acknowledge the excellent help received from Penny Southby from Conference Services and Marianne Lazaro, Kinesiology Director's secretary, and various School students who helped in essential ways, both programmed and unprogrammed. I also would like to wholeheartedly thank Walter Herzog, past president of the CSB and the rest of the CSB Executive Committee for their encouragement and support with this effort over the two years that culminated with the meeting itself, and Jim Dowling and the Awards Committee for their fine adjudications work in the face of some unfortunate central organizational snafus in this area. Finally, I would like to thank and congratulate all those who participated in scientific sessions and contributed to making this a very fine conference that SFU and our School were very proud and happy to host.

Andy Hoffer, Conference Chair

MINUTES OF THE GENERAL MEETING

The annual general meeting of the Canadian Society for Biomechanics was held on August 23, 1996 at Simon Fraser University. Walter Herzog chaired as President with Andy Hoffer (conference chair), Tim Bryant (secretariat), Stuart McGill (member at large), Geneviève Dumas (newsletter editor), and Denis Gravel (secretary/treasurer). There were approximately 30 members present.

In the President's report, Walter Herzog emphasized the strong orientation of the past meetings towards locomotion. However, he noted that the presentations given at recent meetings covered other aspects of Biomechanics. In his opinion, this better reflects the fields of interest of the members of our Society. The importance of the biannual meeting to promote the development of Biomechanics was reiterated by President Herzog, and he noted that the pre-conference courses by renowned experts and the various Symposia were designed to fulfill this objective. President Herzog concluded his report with remarks about the Career Award and the New Investigator Awards as a means to express the vitality of our Society. All these awards were implanted to recognize past and incoming talented researchers in the field of Biomechanics in Canada.

Tim Bryant reported about the financial situation of the Society. In August 1996, the account balance was \$13,000.00.

Andy Hoffer presented the conference report. You will find a detailed report of the conference in this newsletter.

Geneviève Dumas, the newsletter editor, solicited contributions for the next edition. Special

announcements, thesis abstracts and related subjects are welcome.

The membership has reached 232 persons, of whom one-third are students. Tim Bryant indicated that fees for membership will be collected in January. A proposition was to have a two-year payment of membership which will be considered by the executive.

Dr. Fukashiro invited all CSB members to attend the next ISB Congress in Tokyo, Japan. The Congress will be held on August 25-29, 1997. The topics will cover all aspects of Biomechanics from cell to total body. Up to date information is available from the Internet site of the Congress: <http://idaten.c.u-tokyo.ac.jp/ISB97/isb97.html>

The next meeting of our Society in 1998 will be held at Waterloo in association with the American Society of Biomechanics. This will be the third NACOB Congress and it will be organized by Stuart McGill. Dates for the conference are set for August 14 to 18.

Walter Herzog was proud to announce that Calgary will be the host of the 1999 ISB Congress.

Jean Dansereau presented a proposition for a joint meeting with the Soci,t, de Biom,canique of France. This joint meeting would be scheduled for 2000. There was some discussion about the format of this combined meeting (podium presentations with or without simultaneous translation, two separate congresses at the same place, etc.). Jean Dansereau will discuss the various proposals with the French Society.

The General Meeting approved the attribution of a \$75.00 stipend to students who gave a presentation at the meeting.

The next Executive of the Society was elected. Tim Bryant leaves the permanent Secretariat to Denis Gravel and becomes President. The new members of the executive are Janice Eng (Secretary-Treasurer), Jim Dowling (Newsletter Editor) and Lisa Brereton (Student Representative). The conference chair is Stuart McGill and past-conference chair is Andy Hoffer. Before the adjournment of the meeting, it was suggested to have a web page dedicated to the

Society. Internet distribution of the Proceedings was also discussed and this will be considered for future meetings.

Denis Gravel, Secretary-Treasurer

RSUM DU PROC S-VERBAL DE L'ASSEMBLE GNRALE

L'assembl,e g,n,rale de la Soci,t, Canadienne de Biom,canique s'est tenue le 23 ao-t 1996

... l'Universit, Simon Fraser. Walter Herzog a pr,sid, l'assembl,e. Le reste de l'ex,cutif avec Andy

Hoffer (pr,sident de la conf,rence), Tim Bryant (secr,tariat), Stuart McGill (membre d,l,gu,)),

GeneviŠve Dumas (r,dactrice des Nouvelles) et Denis Gravel (secr,taire-tr,sorier) ,tait pr,sent.

Il y avait approximativement 30 membres qui assistaient ... l'Assembl,e.

Dans le compte-rendu du pr,sident, Walter Herzog a soulign, la forte orientation des congrŠs

pr,c,dents vers le domaine de la locomotion. Cependant, il a not, que les pr,sentations donn,es

dans les r,cents congrŠs couvraient les autres domaines de la biom,canique. A son opinion, ceci

est un reflet plus juste de la diversit, des champs d'int,r^ts des membres de la Soci,t,. Le

pr,sident Herzog a rappel, l'importance du congrŠs bi-annuel comme v,hicule de promotion de

la biom,canique. Les cours pr,-congrŠs par des experts reconnus et les diff,rents symposiums

ont ,t, planifi,s pour rencontrer cet objectif. Finalement, le pr,sident a fait mention du prix de

CarriŠre Scientifique et des prix pour les "Jeunes chercheurs" comme moyens d'expression de

la vitalit, de notre Soci,t,. Ces prix ont ,t, institu,s pour reconnaĈtre la contribution pass,e de

nos meilleurs chercheurs et chercheuses et pour encourager les jeunes scientifiques au talent

prometteur.

Tim Bryant a expos, le bilan financier de la Soci,t,. En date d'ao-t 1996, le solde des comptes

,tait de \$13,000.

Le rapport sur le congrès de Vancouver a été présenté par Andy Hoffer. Vous trouverez un compte-rendu détaillé dans les présentes Nouvelles.

Geneviève Dumas, la rédactrice des Nouvelles, a demandé la contribution des membres pour la prochaine parution des Nouvelles. Il est possible de publier l'annonce d'événements spéciaux, les résumés de thèses et tout autre sujet se rapportant ... à la biomécanique.

Le Dr. Fukushima a lancé une invitation ... tous les membres de la Société pour le prochain congrès de ISB. Le congrès aura lieu ... Tokyo au Japon du 25 au 29 août 1997. Les thèmes de recherche couvriront tous les domaines de la biomécanique. Des informations ... jour peuvent être obtenues sur le site internet du congrès: <http://idaten.c.u-tokyo.ac.jp/ISB97/isb97.html>.

Le prochain congrès de la Société, aura lieu en 1998 ... Waterloo en association avec l'American Society of Biomechanics. Ce sera le troisième congrès NACOB et il sera organisé par Stuart McGill. Le congrès se déroulera du 14 au 18 août 1998.

Walter Herzog a annoncé, avec fierté, que Calgary serait l'hôte du prochain congrès de ISB en 1999

Jean Dansereau a présenté une proposition pour un congrès conjoint avec la Société de Biomécanique de France. Ce congrès pourrait avoir lieu en l'an 2000. À l'assemblée, des discussions ont porté sur la façon d'harmoniser les deux congrès (présentations avec ou sans traduction simultanée, deux congrès séparés dans un même lieu, etc.). Jean Dansereau discutera des différentes possibilités avec les responsables de l'association française.

L'assemblée générale a approuvé l'attribution d'un remboursement de \$75.00 pour les étudiants qui ont présenté leurs travaux au Congrès de Vancouver.

Le nouveau comité exécutif a été élu. Tim Bryant a accepté la présidence et a transmis le secrétariat permanent ... Denis Gravel. Les nouveaux membres sont Janice Eng (Secrétaire-Trésorière), Jim Dowling (Rédacteur des Nouvelles) et Lisa Brereton (Représentante étudiante).

Le pr,sident du congrŠs est Stuart McGill et Andy Hoffer agit en tant que pr,sident sortant du congrŠs.

Avant la cl“ture de l'assembl,e, il a ,t, sugg,r, d'avoir une page "web" d,di,e ... notre Soci,t,.

De m^me, la diffusion sur Internet des Compte-Rendus du CongrŠs a ,t, discut,e. Cette possibilit, sera consid,r,e pour les prochains congrŠs.

Denis Gravel, Secr,taire-tr,sorier

CSB NOTICES

CSB on the WEB

Thanks to Gord Robertson from University of Ottawa, CSB now has its homepage on the web. You will soon be able to consult the Newsletter and a few other documents of relevance to CSB members.

The address is:

<http://137.122.122.109/csb/index.html>

NACOB 1998

The next meeting of CSB will be NACOB III held jointly with the American Society of Biomechanics. It will be hosted by the University of Waterloo August 14 to 18 1998. The conference chair for CSB is Stuart McGill. To get a preview of the conference, you can visit its web site at:

<http://www.ahs.uwaterloo.ca/nacob98>

The site is still under construction, follow biomechanical principles and safety guidelines.

Students' Representative

Student members now have a new representative on the CSB executive. It is Lisa Brereton, Master student in Kinesiology at University of Waterloo. You can find where to contact Lisa under "New Executive".

Dues

Dues for 1997 will be due in January. You are welcome to start sending them with an updated membership form to the new permanent secretary Denis Gravel (address under New Executive).

ANNONCES SCB

SCB sur internet

Grâce ... Gordon Robertson de l'université d'Ottawa, la société canadienne de Biomécanique a maintenant sa page sur internet. Vous pourrez bientôt consulter les Nouvelles et d'autres documents d'intérêt pour les membres de la société, ... l'adresse suivante:

<http://137.122.122.109/csb/index.html>

NACOB 98

La prochaine réunion de la société, aura lieu en conjonction avec la société, américaine de Biomécanique du 14 au 18 août 1998. Elle se tiendra sur le campus de l'université de Waterloo et le président pour la société, canadienne est Stuart McGill. En attendant la conférence, vous pouvez visiter son site sur Internet ... l'adresse suivante:

<http://www.ahs.uwaterloo.ca/nacob98>

Le site est encore en construction. Suivez les principes de biomécanique et les règles de sécurité.

Représentante étudiante

Les membres étudiants de la société, ont une nouvelle représentante. Lisa Brereton, étudiante ... la maîtrise en kinésiologie ... l'université de Waterloo remplace Patti Turnbull dont le mandat expirait cette année. Vous pouvez contacter Lisa ... l'adresse indiquée dans
Nouvel exécutif.

Cotisations

Les cotisations pour 1997 sont dues en janvier. Vous pouvez d,j... envoyer votre cotisation accompagn,e de la formule d'inscription au nouveau secr,taire permanent, Denis Gravel (adresse dans "Nouvel ex,cutif").

NEW EXECUTIVE/NOUVEL EXECUTIF

CSB/SCB

1996-97

President Tim Bryant Phone: 613-545-2564

Department of Mechanical Engineering Fax: 613-545-6489

Queen's University Email: bryant@me.queensu.ca

Kingston, ON

K7L 3N6

Past Conference Andy Hoffer Phone: 604-291-3141

Chair Simon Fraser University Fax: 604-291-3040

School of Kinesiology Email: hoffer@sfu.ca

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University of British Columbia Email: jeng@rehab.ubc.ca

Wesbrook Mall

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Conference Chair Stuart McGill Phone: 519-885-1211x6761

University of Waterloo Fax: 519-746-6776

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Student Member Lisa Brereton Email: lcbreret@healthy.uwaterloo.ca

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6300 Avenue Darlington

Montr,al, PQ

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CANADIAN SOCIETY FOR BIOMECHANICS

SOCIT CANADIENNE DE BIOMCHANIQUE

Membership Application/Demande d'Adh,sion

Name/Nom

Degrees or Diplomas/Dipl“mes

Business Address/Adresse d'affaires

Postal Code/Code Postal

Telephone

E-Mail

Fax

Home Address/Adresse Personelle

Postal Code/Code Postal

Telephone

Areas of Research Interest/Int,r^ts de recherche

Current Research/Recherche actuelle

Membership Class

Member (\$15.00) Membre (15,00 \$)

Student (\$ 8.00) tudiant (8,00 \$)

Signature

Date

Send this form with your remittance to:

Renvoyer ce Formulaire avec votre cotisation ...:

Secretariat, Canadian Society for Biomechanics,

c/o Dr. Denis Gravel,

Institut de r,adaptation de Montr,al

6300 Avenue Darlington,

Montr,al, PQ H3S 2J4

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