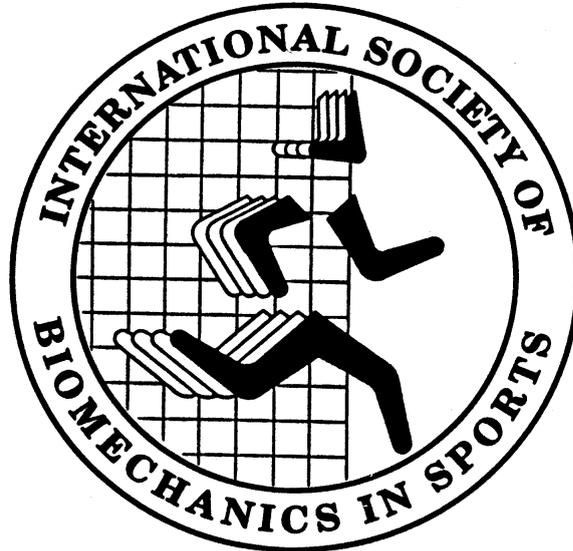


***International Society of Biomechanics in Sports Newsletter***



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## **President's Message: Ross Sanders**

### **ISBS2000**

Wow! What a great conference in Hong Kong. Bad luck to those who couldn't make it. Congratulations to Youlian Hong and his team. On your behalf I have sent the following letter to the Vice Chancellor of the Chinese University of Hong Kong and copied it to several of the higher echelon of that University:

August 28, 2000

Dear Professor KC LI:

*I am writing as the President of the International Society of Biomechanics in Sports to express the Society's delight with the outstanding work conducted by Dr Youlian Hong, Dr David Johns, and their team in organizing the ISBS 2000 Symposium at the Chinese University of Hong Kong. The quality of their work and attention to detail was evident in all aspects of the conference including advertising, processing and reviewing of paper submissions, accommodation, and registration, attracting sponsorships and exhibits, and in the social activities.*

*Over a period of many years the ISBS has hosted excellent conferences. Through the work of previous conference organizers and the current VP of Conferences, Dr Tony Bauer, very high standards of organization have been set. Dr Hong and his team not only maintained these standards but also improved them with respect to several aspects. Further, Youlian and his team developed some innovations to give the symposium a unique atmosphere in keeping with the culture in this part of Asia. Delegates greatly appreciated the cultural experiences and social activities organized by the team.*

*From a very early stage in the organization Youlian enthusiastically sought the assistance and cooperation of members of the ISBS Executive and Board of Directors. The quality of the conference reflects Youlian's ability to lead in a professional and stimulating manner, integrating the experience and abilities of many individuals to optimize the outcome.*

*It is difficult to describe the enormity of the task of organizing a conference and the amount of fine detail and organization that is conducted 'behind the scenes'. A true appreciation is only gained when*

*one actually organizes a conference. Having conducted the 1999 conference I know that the level of efficient organization achieved by Youlian and his team is only possible with the cooperation and dedication of the team members and the support of the host institution. Therefore, I congratulate the Chinese University of Hong Kong on its support. Delegates take with them a highly favorable impression of the Chinese University of Hong Kong to many parts of the world. I also congratulate and thank Professor Leung and The Golden Jubilee Anniversary Fund of New Asia College and Professor Chung and the Faculty of Education for their sponsorship.*

*In closing, I would like to make special mention of the Scientific and Applied Proceedings produced by the team and, in particular, the quality and consistency achieved. Particular tribute is owed to the editors Dr Hong, Dr Johns, and Mrs. Johns for their meticulous effort. It is a 'Herculean' task to coordinate the review and editing process of such a large number of papers, many of which are written by authors for whom English is not their main language, while also ensuring that the Proceedings are printed to be available at the time of registration. This achievement was outstanding.*

Sincerely,

Ross H. Sanders

Congratulations to Youlian also, together with Gene Brown and the Awards committee, for the successful implementation of membership lapel pins.

### **ISBS2001**

John Blackwell certainly has a 'hard act to follow' for ISBS 2001 in San Francisco. However, current indications are that his team will also do an outstanding job and bring yet another unique cultural experience to ISBS members. Please have a look at John's impressive website:

<http://www.usfca.edu/ess/sym2001/>

### **Presidents Report Presented at the AGM**

In this year's report at the AGM I 'waxed lyrical' with some historical references and a vision of the future:

*If the first International Society of Biomechanics in Sport Conference held in June 1982 is regarded as the birth of the ISBS then the ISBS is now 18 years old. In many countries this age is significant and is often celebrated as the attainment of adulthood. This being the case it is appropriate to have a quick look back at the conception, infancy, childhood and adolescence of the Society because events in her upbringing have a major effect on her future and fulfillment of her destiny.*

*The father of the ISBS is Juris Terauds. He had a desire to engender a being that would devote its life to sport biomechanics and its application. So he recruited several partners in this quest. This resulted some time later in the birth of the ISBS on June 20, 1982 in San Diego with 123 witnesses.*

*The vision of the parents, uncles and aunts was that as junior grew she would fulfil her role in life. Her destiny was to:*

- ✧ *Bridge the gap between sports biomechanics researchers and practitioners in teaching, coaching, training and rehabilitation.*
- ✧ *Conduct worldwide meetings to expand and disseminate knowledge in sports biomechanics.*
- ✧ *Promote practical sports biomechanics research.*

*Junior showed great promise as she grew. From a very young age she was already achieving respect for her ability to conduct worldwide meetings. She was dabbling in 'bridging the gap' but still had much to learn. She was becoming more steady, better coordinated, stronger, and was starting to earn the respect of older and more established cousins.*

*A major milestone in her life was a period of rapid growth in 1996 as a 14 year old. At her meeting in Madeira she showed her potential and was blossoming. She was now becoming more attractive to her self assured cousins with the guidance and steadying influence of her uncles and aunts, particularly Uncle Joao and Uncle Renato.*

*At the age of 16 she was ready to broaden her horizons and show her wares to the world. By now she had accumulated vast reserves of useful knowledge and was looking for a way to share it more effectively. Fortunately, she had two very clever uncles who knew about modern technology to help her. Uncle Hans and Uncle Manfred set her up to fulfil her life's mission as an adult. She owes them a tremendous debt and is now eager to take full advantage of the opportunities they gave her.*

*Now, this capable young adult is ready to break free of any remaining shackles and insecurities to effectively fulfil her destiny. But what must she do to discover her independence and function without constraint? As a young adult she is facing some harsh realities of life. She must make her own way. She can no longer rely on the benevolence and care of friends and relatives. How will she obtain the resources she needs to expand her mission?*

*To survive independently as an adult in a competitive and changing world she must look for ways to sell herself. Not her body, but her vast accumulated knowledge. In this way she can fulfil the role for which she was destined without relying on 'handouts'.*

*The consumers of her knowledge will be the coaches, physical education teachers, and sports participants. Her products will be sold through various channels established by her aunts and uncles:*

- ✧ *Her proceedings*
- ✧ *Her data retrieval system on the WWW*
- ✧ *Her sport specific applied websites*
- ✧ *Her teaching website*
- ✧ *Her hard copy journal*
- ✧ *Her electronic journal*

*If she recognizes her potential she will be supported by revenue from sports related companies who advertise to the consumers of her knowledge. This money will enable her to conduct research to further advance sports biomechanics knowledge. In this way she will be a most inspiring, independent, and successful adult.*

*I have provided an overview, in a somewhat cryptic and light-hearted manner, of how the vision and efforts of some of our members, and the participation of all members in the ISBS, have put the Society at the threshold of establishing a tremendous capacity to carry out its mission. Whether we capitalize maximally on the opportunities afforded by modern technologies and their associated economies, depends on the important decisions made by our members, Board of Directors, and Executive. I hope that you enjoy being a part of exciting changes in the ISBS that will shape its future towards achievement of its destiny.*

*Before closing I would like to extend a sincere thanks to the Executive of the ISBS for their outstanding efforts and cooperation over the last year. Given that the Executive are all volunteers with extremely busy work schedules, there has been an astonishing volume of communication. Even*

*more astonishing is that the communication has resulted in considerable achievement. I will leave it to the extremely energetic and capable Vice Presidents of the ISBS to inform you in more detail of their various activities.*

*Ross Sanders (President)*

As I indicated in the above report, I will leave the Vice Presidents to inform you of their activities and achievements.

### **Thank You to Those Who Have Served**

I add my thanks to those of Stuart (please see Stuart's Column) to all those who have completed their tenure on the Board of Directors or Executive of the ISBS. They have assisted greatly the growth of the Society.

## **Coaches Information Service (CIS) We're All in This Together**

The ISBS applied home pages are flourishing. You will recall from previous correspondence that this site is one of our effective ways of disseminating scientific information to sports practitioners including coaches, competitors and teachers. We also have a goal of attracting income by various means that are being investigated. Market research recently conducted by Edinburgh Research and Innovation has indicated clearly that the CIS has strong commercial potential. A large part of the income from the site will be used to support research conducted by ISBS members.

I believe that the time is right for this venture to 'take off'. Personal PCs are now powerful enough to run video clips that can show the difference between good and poor technique and how injuries may be avoided. The potential to deliver sport biomechanics information in a 'coach friendly' way through this medium is enormous. Please have look at the sites (also accessible from the main ISBS website): <http://www.education.ed.ac.uk/cis/>.

To get an idea of the potential of the site by having interactive articles that contain

instructional video clips have a look at the paper on golf by Fairweather et al:  
<http://www.education.ed.ac.uk/golf/fsr.html>

The CIS has now reached a stage whereby it is apparent that there is great potential for the ISBS provided that the ISBS works as a team. I have been heartened by the response of the Executive and others to assist in driving this venture forwards. As Chair of the Quality Control Committee Hans Gros has been active in establishing guidelines for authors (see Hans section later in NL). As VP Public Relations Renato Rodano is helping to publicise the CIS by informing, and enlisting the support of prominent sports administrators. He is being assisted by Laurie Malone. Wayne Marino is coordinating an effort by all ISBS members to promote the site to students and coaches in member's local areas. Several of the Executive are leading by example by being compiler/editors for specific sports.

### **How you can help?**

You can contribute to this venture in several ways:

- ✧ Write 'coach friendly' articles for one of the sites and submit it to the relevant compiler/editor. It is possible that authors will receive an income based on 'hits' to their article or on 'downloads' of the article.
- ✧ Be a compiler/editor. Do you have an interest in a sport that is not yet featured? If so, check the Guidelines of the Quality Control Committee and contact the Chair of the QCC, Hans Gros.
- ✧ Tell practitioners about the site. The more people that use the site, the more money that will be generated for ISBS members to conduct research.
- ✧ Identify companies that might be interested in sponsoring one of the sites or in advertising on one or more of the sites.

### **Applied Homepages**

For a list of proposed sites, please see the section of the Quality Control Committee. The applied home pages in place or under construction at the present time are:

### Compiled and edited by

 <u>Basketball</u>	Stuart Miller, Leeds Metropolitan University, England ( <a href="mailto:S.Miller@lmu.ac.uk">S.Miller@lmu.ac.uk</a> )
 <u>Field Athletics</u>	Angus Burnett, Edith Cowan University, Perth, Australia ( <a href="mailto:a.burnett@cowan.edu.au">a.burnett@cowan.edu.au</a> )
 <u>Golf</u>	Malcolm Fairweather, The University of Edinburgh, Scotland ( <a href="mailto:m.fairweather@ed.ac.uk">m.fairweather@ed.ac.uk</a> )
 <u>Gymnastics</u>	Spiros Prassas, Colorado State University, USA ( <a href="mailto:prassas@lamar.colostate.edu">prassas@lamar.colostate.edu</a> )
 <u>Paralympics</u>	Brendan Burkett, University of the Sunshine Coast, Australia ( <a href="mailto:BBurkett@usc.edu.au">BBurkett@usc.edu.au</a> )
 <u>Rowing</u>	Richard Smith, Cumberland College, Sydney University, Australia. ( <a href="mailto:R.Smith@cchs.usyd.edu.au">R.Smith@cchs.usyd.edu.au</a> )
 <u>Soccer</u>	Eugene Brown, Michigan State University, USA ( <a href="mailto:ewbrown@pilot.msu.edu">ewbrown@pilot.msu.edu</a> ) & Pekka Luhtanen, Foundation for Research & Development in Olympic Sports, Finland ( <a href="mailto:pluhta@kihu.jyu.fi">pluhta@kihu.jyu.fi</a> )
 <u>Strength &amp; Conditioning</u>	Mike Stone, The University of Edinburgh, Scotland ( <a href="mailto:m.stone@ed.ac.uk">m.stone@ed.ac.uk</a> )
 <u>Swimming</u>	Ross Sanders, The University of Edinburgh, Scotland ( <a href="mailto:r.sanders@ed.ac.uk">r.sanders@ed.ac.uk</a> )
 <u>Tennis</u>	Bruce Elliott, The University of Western Australia, Australia ( <a href="mailto:Bruce.Elliott@uwa.edu.au">Bruce.Elliott@uwa.edu.au</a> )
 <u>Track Athletics</u>	Drew Harrison, The University of Limerick, Ireland ( <a href="mailto:drewh_2001@yahoo.co.uk">drewh_2001@yahoo.co.uk</a> )
 <u>Volleyball</u>	Simon Coleman, The University of Edinburgh, Scotland ( <a href="mailto:s.coleman@ed.ac.uk">s.coleman@ed.ac.uk</a> )

## 'Sport Biomechanics' Journal

### Call for Papers

At the AGM the membership voted unanimously to proceed with developing a journal owned by the ISBS. The journal will be called 'Sport Biomechanics'. The University of Edinburgh Press (UEP) will be publisher of the Journal. UEP and ISBS have signed the pertinent memorandum of agreement. Every member will receive the issues of the journal as part of their membership fee. Of course, the membership fee will be increased to cover the cost of production of the journal. Papers for the inaugural issue, to be released in March 2001 have been solicited and are to be reviewed in October and November. We now invite papers to be submitted for consideration for subsequent issues. Guidelines for authors appear below:

### Author Guidelines for Papers Submitted to 'Sport Biomechanics'

Papers may be submitted for publication in any of the following sections of Sport Biomechanics: *Original Applied Research; Strength and Conditioning; Reviews; Teaching; New Methods and Theoretical Perspectives.*

Regardless of the section, the articles must be scientifically rigorous and will be peer reviewed by at least two reviewers with expertise in the topic. The review will be blind, that is, no indication of the authors' names or affiliations will be sent to reviewers. Where appropriate, information to establish the validity of the methods, and the magnitudes of errors, should be provided (other than in review articles). There should be sufficient information of a technical nature to allow duplication of the study by others. The material should be fastidiously referenced in

keeping with the requirements of other scientific journals.

Notwithstanding the above, authors should endeavor to write in a style that is 'reader friendly' and, in particular, 'coach friendly'. Achieving this while maintaining scientific rigor is obviously a major challenge for authors, reviewers and the editorial team. Authors are required to adhere to the following:

**Title:** The title should reflect the practical importance of the research as well as indicate its scientific basis. Thought should be given to capturing the interest of practitioners without detracting from the scientific nature and merit of the research.

**Abstract:** The abstract should be limited to 200 words and should conclude with clear statements regarding the practical implications of the research for practitioners or, in the case of articles for 'New Methods and Theoretical Perspectives', for sport biomechanists.

**Introduction:** The introduction should clearly elaborate the potential benefits of the research and its findings for sport practitioners (coaches and competitors). The purpose should be stated in a manner that highlights the practical benefits of the study. An outline of how particular variables are related to performance, in simple terms, could be included in the Introduction if appropriate.

**Methods:** The method should clearly establish the overall procedures and the subject population involved. The method should include all relevant technical information to clearly establish the scientific merit of the study. However, authors should present this material in as readable a manner as possible and provide guidance where difficult and technical information is presented. Material that is difficult such as complex mathematical models should be included as an Appendix and referred to in the Method section. Elaborate statistical procedures and validation procedures should also be included in the Appendix. The Method section may also incorporate the following:

- ◇ Simple definitions of technical terms (this may be included as a section of its own at the beginning of the methods section).
- ◇ If appropriate, and if not already incorporated into the Introduction, a description of the rationale for selecting particular variables for analysis and their relationship to performance or injury should be included. This description should be in simple terms with an appropriate heading such as 'Variables Selected for Analysis and their Relevance to Performance (or Injury)'.

**Results:** The Results section should be written in as friendly a manner as possible. However, no claims should be made without citing the relevant statistical results. Sport practitioners should not be prevented from grasping the results due to a lack of knowledge of statistical procedures and terminology. The statements should reflect both rigor and readability.

**Discussion and Implications:** This section should be separate from the Results section and should elaborate the implications of the results. It should be possible to read this section freely and without recourse to the statistical results or further statistical information and terminology. In fact, practitioners should be able to skip the results section and be able to comprehend the findings of the study, and their implications for sport performance and/or injury prevention, from this section alone. Achieving this will require skill from authors to restate findings in simple terms without appearing to repeat unnecessarily the information provided in the Results section. If appropriate this section may include coaching practices, training drills and activities that are indicated by or arise from the research or review.

**Conclusions:** This section should summarize the main outcomes of the paper in terms of scientific findings and their practical implications.

### **Submitting the Manuscript**

To expedite the review process manuscripts will be handled in electronic form. Manuscripts should be submitted to the Editor by e-mail as an attachment, preferably as an MS Word (.doc) or

alternatively as an RTF. Currently the editor's e-mail address is [r.sanders@ed.ac.uk](mailto:r.sanders@ed.ac.uk).

Manuscripts should be written in English, double-spaced in Arial 12 Font with normal character spacing. The formatting style should be according to the guidelines in the Publication Manual of the American Psychological Association (APA), Fourth Edition, 1994 (examples of this format can be seen in any edition of Journal of Applied Biomechanics). Tables and figures should be appended to the document, each on a separate page, rather than within the document. Do not send figures in EPS format. If you have figures requiring large blocks of memory (larger than 1.4 MB) please send the document ZIPPED.

On the basis of the review your paper will be categorized as one of the following:

- ✧ *Reject*: Not suitable for publication in Sport Biomechanics.
- ✧ *Reject and resubmit*: The paper is rejected unless the authors can make satisfactory responses to the reviewers' concerns. The paper will then be accepted only if all the concerns are addressed to the satisfaction of the reviewers.
- ✧ *Accept with minor changes*: The authors must respond to the reviewers' concerns to the satisfaction of the editor.
- ✧ *Accept*: The paper is accepted with only minor editing required at the discretion of the editor.

## Vice Presidents' Reports

### VP for Awards: 👍 Barbara Gowitzke

As Eugene Brown assumed his new role as President-Elect of the International Society of Biomechanics in Sports (ISBS), it followed that his second year in the position of Vice-President, Awards should be assumed by someone else. Duly appointed by the Board at its meeting in Hong Kong, I am honored to serve in this capacity once again, but also mindful of the fact that Gene did a masterful job of chairing the Awards Committee for many years. He has left a legacy for the Society, and copious notes for those of us who follow. Thanks, Gene.

At the recent and highly successful XVIII International Symposium of Biomechanics in Sports held in Hong Kong, two members were honored. Dr. Bruce R. Mason was honored as the Geoffrey Dyson Lecturer. Head of the Biomechanics Department at the Australian Institute of Sport in Canberra, Australia, Dr. Mason presented a very interesting lecture entitled "Providing a Service to an Elite National Sports Program". He was presented with the ISBS traditional jade crystal award piece that

has been established to honor the Geoffrey Dyson Lecturer.

The other member to be honored was a young new investigator by the name of Young-Tae Lim, from the Yeungnam University in Kyungsan, Korea, for his research paper entitled "Estimated Lumbar Spinal Loads during a Golf Swing using an EMG-Assisted Optimization Model Approach". At the closing banquet, he was presented with an ISBS plaque commemorating the New Investigator Award.

ISBS has been naming Geoffrey Dyson Lecturers ever since 1987 after Juris Terauds initiated the lecture series by providing a discourse on the man, Geoffrey Dyson. The naming of ISBS Fellows and Life Members commenced in 1989 following passage of the current Constitution and By-Laws. And the New Investigator Award was launched in Prague in 1990 thanks to the work of Petr Susanka. According to the ISBS By-Laws, the responsibility for naming recipients of these awards rests with the Awards Committee. But, I would add, the responsibility for making suggestions of possible candidates for these awards rests with the ISBS membership.

### **The Geoffrey Dyson Lecturer**

The most prestigious honor of the Society is the one accorded to the Geoffrey Dyson Lecturer. Qualifications for selection should be high and the selection process should be rigorous. Accordingly, the Society, at its 1987 meeting of the Board of Directors accepted the following guidelines for selecting the Geoffrey Dyson Lecturer:

- ✧ The candidate must have an international reputation in the field of sports biomechanics in keeping with the reputation of Geoffrey Dyson himself.
- ✧ The candidate must have an interest in the applied nature of sports biomechanics and an ability to communicate with both the researcher and the practitioner.
- ✧ A condition of acceptance shall be that the candidate delivers personally the Geoffrey Dyson Lecture.

The Awards Committee is always eager to learn about leaders in the field of sports biomechanics who should be considered for the Geoffrey Dyson Lecturer. Suggestions are always welcome and can be made at annual symposia, or by contacting any member of the Awards Committee. At this time, the Committee is preparing to make a selection for the Symposium to be held in Caceras, Spain in 2002.

### **ISBS Fellow**

This category of membership is reserved for individuals who have made outstanding contributions in biomechanics related to sports over a period of years. Put another way, the individual should be someone who has made continuing significant contributions to the profession of sports biomechanics through his or her teaching, research, writing, and/or speaking.

Since 1989, the Society has named only three individuals to be Fellows.

### **ISBS Life Member**

This category of membership is reserved for members who have made outstanding contributions to the Society. Put another way, the member should be someone who has made continuing significant contributions to the ISBS through serving on its Committees, serving as a

Board member or Officer, or providing a singularly-outstanding service to the Society.

Since 1989, the Society has named five individuals to be Life Members.

### **New Investigator Award**

The selection of the recipient of the New Investigator Award takes place at the annual Symposium of the Society. This purpose of this award is to recognize new researchers and to encourage them to become productive members of the Society by expanding the knowledge base of sports biomechanics through study and dissemination of information. Eligibility requirements and the process for selection are outlined in detail on the ISBS web site under the category "Awards".

Since 1990, the Society has named 12 New Investigators.

The members of the Awards Committee and their addresses are as follows:

Tony Bauer      [tbauer@gale.lakeheadu.ca](mailto:tbauer@gale.lakeheadu.ca)  
Eugene Brown    [ewbrown@pilot.msu.edu](mailto:ewbrown@pilot.msu.edu)  
Stuart Miller    [s.miller@lmu.ac.uk](mailto:s.miller@lmu.ac.uk)  
Barbara Gowitzke [gowitzke@hwcn.org](mailto:gowitzke@hwcn.org)

It is the plan of the Chair to increase the number of Committee members so that more Board members share in this important responsibility.

We encourage suggestions for candidates to be considered for special memberships (i.e., Fellows, Life Members) and the very special award, the Geoffrey Dyson Lecturer. Any suggestions should be accompanied by substantive information about the candidates. The Awards Committee will forward its nominations to the Executive Council.

**VP for Research & Projects:**   
**Richard Smith**

This is a very exciting year for Research and Projects. You will have observed all the activity around the Coaches Information Service (CIS) and the information provided by our President, Ross Sanders at the beginning of this newsletter.

The success of the CIS will mean funds for sport biomechanics research. I encourage everyone to get behind this project. It is huge and will require as much input from members (and others) as possible. Re-read the above information and see how you can contribute.

The society has been involved with two active research projects during the past year: (1) the **Interactive Stepping Machine Research Grant Project (SMRGP)**, and (2) the **Discus Research Project (DRP)**.

The **SMGRP** was jointly sponsored by X-iser Industries (Juris Terauds, president) and provided \$2,000 in support of a maximum of five research projects involving the efficacy of variable resistance, interactive stepping machines manufactured and distributed by X-iser Industries (several units will be provided by X-iser Industries to each grantee, as needed). The specific goal of the project was to facilitate research that will identify the optimum short bout vigorous exercise period required for active daily living. A grant was awarded to John Chow, University of Illinois, USA for a study entitled "The effect of stepping rate on knee joint forces during stepping exercise". We will await the outcomes of this research.

The **DRP** was jointly sponsored by the Division of Physical Therapy at the University of North Carolina at Chapel Hill and USA Track and Field (USATF). It involved the analysis of videographic recordings (SVHS, NTSC format) of men's and women's discus finals of the 1998 USA Track and Field National Outdoor Championships in New Orleans, Louisiana, June 19-21, 1998. Last year a proposal submitted by Tomohisa Miyanishi, Faculty of Physical Education, Sendai College, Miyagi, Japan was supported. The study, involving analysis of angular momentum during the discus throw of elite performers, has been completed and a paper was presented at the ISBS Symposium in Hong Kong, June 25-30, 2000.

Thanks to my predecessor, Larry Noble, for his significant contribution to the Society over the last few years. Activity in the Research and

Projects area under his leadership can be viewed at <http://www.uni-stuttgart.de/External/isbs/>

## **VP for Publications: Hans Gros**

First, I would like to thank Julie Steele who served ISBS as VP Publications since 1996. Julie revitalized the Newsletter and set up the present format. For this and her many activities as Executive member of ISBS we owe her a great deal. I look forward to welcome Julie back in the Executive in the near future!

I took the office of VP Publications in Hong Kong. The demands of the job have greatly expanded with the 'Sports Biomechanics' Journal appearing in 2001, the Quality Control Committee of CIS and the Newsletter. Please accept my apologies for receiving this issue so late.

### **Publications Committee**

Welcome to the Publications committee:

Henrik Sorensen [h.sorensen@mai.ku.dk](mailto:h.sorensen@mai.ku.dk)

Sang-Yeon Woo [s-ywoo98@asan.sch.ac.kr](mailto:s-ywoo98@asan.sch.ac.kr)

Young-Hoo Kwon [ykwon@bsu.edu](mailto:ykwon@bsu.edu)

Special Thanks to Young Hoo Kwon who helped a great deal with the final lay-out of the current Newsletter and to Henrik Sorensen who transformed the printed to the electronic version on the ISBS WWW site !

### **Newsletter Production and Distribution Cost**

The cost for printing and mailing of the Newsletter is quite high. Therefore I encourage ISBS members to print the NL from the ISBS home page. This also has a time saving advantage. Please send me a short mail if you can do without the printed version sent via TNT. Thanks in advance !

### **Newsletter Deadlines**

Two ISBS Newsletters will be published each year, one in October (Fall/"Down Under" Spring Edition) and one in April (Spring/"Down Under" Fall Edition). Deadlines for the receipt of material will therefore be September 1 and March 1 each year. Material to the Newsletter can be submitted in any form (preferably

electronic) but please supply your E-mail and/or FAX address with any report so that further information can be obtained from you if required. Start sending YOUR contributions for the next ISBS Newsletter to the ISBS VP Publications: [hans.gros@sport.uni-stuttgart.de](mailto:hans.gros@sport.uni-stuttgart.de).

**NEXT DEADLINE: March 1, 2001**

### **Advertising in the Newsletter**

ISBS has now over 500 members throughout the world. Why not maximize exposure of your products? For companies wanting to advertise in

## **Secretary General's Report: Stuart Miller**

What a year! ISBS has continued to develop rapidly in a number of areas, and can justifiably claim to be a leading provider of sports biomechanics in the world. There have been many highlights in the last year, and surely the annual symposium was one of them. Youlian Hong and his team in Hong Kong organized a superb event, and in many ways went above and beyond the call of duty. Thanks Youlian - you have set a high standard for others to follow. A prominent delegate said to me that, in his opinion, ISBS was now the preferred world biomechanics conference. We should be pleased with ourselves. We continue to grow in many areas and, as evidenced by the number of nominations for officers, more members are willing to become involved.

The 2001 elections are to start shortly. If you would like to nominate someone (who must be a ISBS member), then send the nomination to both Wayne Marino ([wmarino@uwindsor.ca](mailto:wmarino@uwindsor.ca)) and myself ([S.Miller@LMU.ac.uk](mailto:S.Miller@LMU.ac.uk)).

Please remember to ensure that the person is happy to be nominated! Nominations will be accepted up to the middle of January. All nominees will be asked to submit a brief resume, which will be published in the Spring Newsletter.

Last year saw the end of Larry Noble's long period of service to ISBS. He functioned as a

this Newsletter please contact Hans Gros (Newsletter Editor). The Advertising rates are:

- ✧ Full page: \$100 per issue
- ✧ Half page: \$ 60 per issue
- ✧ Quarter page: \$ 35 per issue
- ✧ Back cover: \$150 per issue

This includes presence on the ISBS home page with a link to your companies site.

For multiple advertisements in an issue, additional advertisements in the same Newsletter will be reduced by 50%. All rates are in US\$. Maximum exposure at bargain rates.

member of the Board of Directors in his role as Vice President of Research and Projects. His contribution will be missed. Thanks Larry.

Speaking of long-serving members of ISBS, it has now been four years since I took on the position of Secretary-General. It has been a great time to be involved, and the progress that we have made is amazing. It is important to recognize when is the best time to stop and turn the job over to someone who can continue to make the input that such a position requires. Thus, I have decided that I will not seek re-election as Secretary-General in 2001. For anyone who is interested in the position, it is a very rewarding position that carries a lot of responsibility. It brings with it the chance to be involved in the heart of the decision-making processes of ISBS, and I hope that it goes to someone who has the commitment to the Society's development.

I would like to finish by thanking Ross Sanders for his contribution to ISBS as President. Everyone will agree that he has done a fantastic job in moving the Society forwards. His no-nonsense, get-things-done attitude has continued the momentum created by his predecessor, Hans Gros. One look at the Coaches' Information Service on the ISBS website ([www.uni-stuttgart.de/External/isbs/](http://www.uni-stuttgart.de/External/isbs/)) is ample evidence of the commitment that Ross has devoted to the Society. The future looks bright!

I look forward to seeing you in San Francisco.

**Minutes of the Annual General Meeting**  
**June 29, 2000, Hong Kong**

**Call to order:**

*The Chairman called the meeting to order at 9:30 a.m.*

**00.01. Executive Committee reports:**

Reports were presented to the meeting by the Executive Committee, with the exception of those of the Vice President for Research and Projects and the Vice President for Conferences, both of which were presented by the Secretary-General. There was no report by the Vice President for Publications. These are attached in Appendices A-E.

Ross Sanders moved that the reports of the Executive Committee be accepted.

*For - 39; Against - 0. Motion carried unanimously.*

**00.02. ISBS Journal:**

Ross Sanders reported on the proposal for, and current status of, an ISBS journal.

Ross Sanders moved that the ISBS Executive and Board of Directors has the authority to investigate the financial viability of an ISBS journal and to implement contractual arrangements with a publisher to establish the journal.

Seconded by SM.

Questions from the floor were allowed. It was asked whether the motion should be divided into 2 parts. RS did not think it necessary to split the motion but amended his motion following discussion. It was asked whether there would be a CD-ROM version of the journal. RS responded that an electronic version was anticipated. It was asked what financial responsibility was incumbent on ISBS. RS responded that the break-even point was the equivalent of 275 individual subscriptions, but that it was anticipated that advertising would offset this. It was suggested that the discrepancy between individual and institutional subscriptions be increased.

Bruce Elliott proposed that the original motion be amended to "The ISBS Executive and Board of Directors has the authority to investigate the financial viability of an ISBS journal and, if considered appropriate, implement contractual arrangements with a publisher to establish the journal." This was accepted by RS and SM.

Bruce Elliott spoke in favor of the motion, after which a vote was taken.

*For - 39; Against - 0. Motion carried unanimously.*

Bruce Elliott moved that differential costs for students and different countries be investigated. Seconded by Laurie Malone.

*For - 39; Against - 0. Motion carried unanimously.*

**00.03. Minutes of the Annual General Meeting, 1999:**

David Waddell moved that the minutes of the 1999 Annual General Meeting be accepted.

*For - 39; Against - 0. Motion carried unanimously.*

**00.04. Any Other Business:**

It was asked where the archives of the Society are held. Hans Gros responded that these are currently housed at the University of Stuttgart, Germany.

It was suggested that the keynote lectures be video-taped for archiving purposes.

**Adjournment:**

Mario Lamontagne moved that the meeting be adjourned.

*The meeting was adjourned at 10.36 a.m.*

*Stuart Miller, 29/06/2000*

**Appendix to the AGM Minutes:**  
**Treasurer's Report, 2000**  
**Manfred Vieten**

Submitted by: Manfred Vieten, Treasurer

Audited by: Ross Sanders, ISBS President

The audit took place in Konstanz at the 10<sup>th</sup> of May 2000.

## Statement of Revenues and Expenses

For the year ending April 30, 2000

Revenue	Actual in 2000
Membership Fee (US\$)	730.00
Membership Fee (EURO)	2798.00
Sponsoring (US\$)	0.00
Sponsoring (EURO)	43.29
<b>Total Revenue [US\$/EUR€]</b>	<b>730.00/2841.29</b>

Expenses in US\$	Actual [US\$]	Actual [EUR]	Budget	Variance
President			300	300.00
President Elect			0	0.00
VP for Awards	800.56	138.58	3600	2660.86
VP Conferences	500.00		200	-300.00
VP Publications	546.00		1000	454.00
VP Public Relations			200	200.00
VP Research and Projects	1000.00		500	-500.00
Secretary-General			200	200.00
Treasurer	14.70	306.14	200	-120.84
Extras		200.00	0	-200.00
<b>Total Expenses</b>	<b>2861.26</b>	<b>644.72</b>	<b>6200</b>	<b>2694.02</b>

### Budget for the year ending April 30, 2000

Revenue	Budget 2000-2001	Actual 1999-2000
Membership Fee [US\$]		730.00
Membership Fee [EUR€]		2798.00
Sponsoring [US\$]		0.00
Sponsoring [EUR€]		43.29
<b>Total Revenue</b>		<b>3571.29</b>
Expenses	Budget 2000-2001	Actual 1999-2000
President		
President Elect		
VP for Awards		939.58
VP Conferences		500.00
VP Publications		546.00
VP Public Relations		
VP Research and Projects		1000.00
Secretary-General		
Treasurer		320.84
Extras		200.00
<b>Total Expenses</b>		<b>3505.98</b>

Please note: The exchange rate of US\$ and EURO was close to one. Therefore, the actual amounts of US\$ and EURO on this page are added for easier handling.

### Balance Sheet April 30, 2000

	US Account [US\$]	EURO Account [EUR€]
1999	11244.23 (30.04.1999)	5587.99 (31.05.2000)
2000	9112.97 (31.03.2000)	7697.98 (05.05.2000)
Difference	-2131.26	2109.99
Total Expenses [US\$]		-2861.26
Membership fee [US\$]		730.00
Sum [US\$]		-2131.26
Total Expenses [EUR€]		-644.74
Membership fee [EUR€]		2798.00
Sponsoring [EUR€]		43.29
Sum [EUR€]		2109.99

### ISBS member on Friday, June 16, 2000

Members in total	477
Fellows	2
Life members	4
Full members in good standing	184
Full members NOT in good standing	134
Student members in good standing	58
Student members NOT in good standing	95

**VP for Research & Projects'  
Report, 2000: Larry Noble**

Research Committee:  
Bing Yu, Al Finch, Juris Terauds

This report has been edited. The status quo of the current research projects can be found in the report of the new VP Projects and Research, Richard Smith.

**Thank you Larry for many years of outstanding work in the Executive of ISBS !**

The past 8 years as member of the executive committee has been thoroughly rewarding and exciting for me, both professionally and personally, and I have enjoyed working with you and past leaders of the society. I regret that I am unable to attend the symposium this year. I assure you that I am in contact with my successor to ensure that he is aware of the duties and responsibilities of the VP for Research and Projects and that that he has access to me as a resource. I hope that the following summary of projects developed and conducted under my leadership over the past few years (recently posted on our website) will be helpful to you as you move forward in providing leadership for the ISBS.

**Summary of ISBS Research Projects over the past 5 years (1995-2000)**

During the past several years, the ISBS has conducted several research projects designed to promote research in sports biomechanics. Specifically, these projects facilitated the delivery of videotapes and documentation of elite athletes engaged national and international championship competition to researchers beyond those involved with the on-site data collection research team. Invitations for proposals to conduct research using project materials are solicited to both members and nonmembers of ISBS via the ISBS website, the ISBS newsletter, and the worldwide biomechanics bulletin board (BIOMCH-L). Materials were distributed free to ISBS members submitting acceptable proposals and at cost to those submitting acceptable proposals who are not ISBS members. These projects have been quite successful in providing more

than 20 research groups the means to conduct research that would have otherwise not been possible:

**1994-95 World Gymnastics Research Project.** 3-d videographic recordings and documentation from the 1994 World Gymnastics Championships in Brisbane, Australia. On-site project director – Bill Morrison. Cosponsor – Australian Sport Commission.

**1996-97 Gymnastics Research Project.** 3-d videographic and dynamographic recordings and documentation from the 1994 World Gymnastics Team Championships in Dortmund, Germany. On-site coordinator – Juergen Krug. Cosponsors – Deutscher Sportbund, Institute of Applied Training Science, Leipzig, and Spieth (the gymnastics apparatus manufacturer).

**1997-98 World Gymnastics Research Project.** 3-D videographic recordings and documentation from the 1997 Gymnastics World Championships in Lausanne, Switzerland. On-site coordinator – Juergen Krug. Cosponsors – Institute of Applied Training Science, Leipzig, the FIG, and Spieth.

**1997 –98 USA Women’s Softball Hitting Research Project.** 3-D videographic recordings and documentation of the 1996 USA Women’s Softball Team while hitting several pitched balls during batting practice. On-site coordinator – Sherry Werner. Cosponsor – Steadman-Hawkins Sports Medicine Foundation, Vail, Colorado, USA.

**1998-99 Discus Research Project.** This project involved the analysis of videographic recordings of men's and women's discus finals of the 1998 USA Track and Field National Outdoor Championships in New Orleans, Louisiana, June 19-21, 1998. On-site coordinator – Bing Yu. Cosponsors - Division of Physical Therapy at the University of North Carolina at Chapel Hill, USA, and USA Track and Field (USATF).

**Interactive Stepping Machine Research Grant Project.** In addition to these research projects, in 1999, ISBS initiated the first research grant project, the “Interactive stepping machine research grant project”. Five \$2,000 research grants were available to ISBS members submitting acceptable proposals to study the efficacy of The Wellness Machine™

and other variable resistance, interactive stepping machines. Models of The Wellness Machine™ were provided by X-iser Industries. The goal was to identify the optimum short bout vigorous exercise period required for active daily living. Cosponsor: X-iser Industries.

*Larry Noble*

### **VP for Awards' Report, 2000 Eugene Brown**

This report is for the period beginning with the ISBS Symposium in Perth, Australia in 1999 and ending with this report

#### **Committee Membership**

Tony Bauer, Canada, Vice President of Conferences and Meetings

Barbara Gowitzke, Canada, Member of the Board of Directors

Stuart Miller, United Kingdom, Secretary-General

Sang-Yeon Woo, Korea, Member of the Board of Directors

Eugene W. Brown, United States, Vice President of Awards

#### **Activities**

- ✧ Evaluated all contestants and selected a recipient for the New Investigator Award at the Perth symposium.
- ✧ Introduced the Geoffrey Dyson Award at the Perth symposium.
- ✧ Displayed an Awards Committee poster at the Perth symposium.
- ✧ Held the annual Awards Committee meeting during the Perth symposium.
- ✧ Collected information on the 1999 award recipients and prepared and distributed press releases.
- ✧ Reviewed nominations and submitted a rank order listing of candidates for the Geoffrey

### **VP for Conferences' Report, 2000 Tony Bauer**

Over the last twelve months we have enjoyed an exceptional level of communication and interaction between the executive and board

Dyson Lecturer for 2001 (Dr. Peter Cavanagh of Pennsylvania State University was selected as the Geoffrey Dyson Lecturer for 2001).

- ✧ Prepared a document on the process of selecting the Geoffrey Dyson Lecturer (The document was published in the October 1999 ISBS Newsletter).
- ✧ Worked with a vendor on the design and style of lapel pins that have been purchased to recognize all members of ISBS (Without the sponsorship secured by Dr. Youlian Hong the idea of lapel pins for all members of ISBS (initiated in 1991) would not likely have come to fruition).
- ✧ Continued review of one nominee for ISBS Fellow and initiated two reviews of nominees for Life Member.
- ✧ Communicated Awards Committee needs for ISBS Symposium in Hong Kong to Youlian Hong.
- ✧ Prepared and purchased the crystal award for the 2000 Dyson Lecturer and delivered it to Hong Kong (Barbara Gowitzke has taken responsibility for this task for several years).
- ✧ Prepared and purchased of a plaque for the 2000 New Investigator Award
- ✧ Purchased four additional plaques for the New Investigator Award for 2001-2004.
- ✧ Revised a Power Point presentation to introduce the Geoffrey Dyson Lecturer for 2000 in Hong Kong.
- ✧ Constructed an Awards Committee poster and table display for the Hong Kong symposium.

members. I congratulate Ross Sanders, our President and the other executive members for their input and promotion of this communication and also for the development of a number of new ventures, in particular the web page and the prospect of an electronic journal for ISBS. The exposure gained through the web page materials

and in particular the applied program segment has the greatest potential for linking to the practitioner and fulfilling our mandate. More focus must be placed on the applied program within the conference agenda although this is not an easy task and requires additional ingenuity on the part of the conference chair. More guidelines and support are needed in this area.

I have been happy to play a small role in this process however there is more work to be done and I will endeavor to initiate a start to the applied program guidelines over the next year. For all those members who have contributed time and energy and support I feel that we have come a long way in the last few years and that we are on the edge of becoming one of the most recognized Biomechanics Sport Groups in the World. The provision of practical and applied research science information through the medium of the internet will help us prosper both financially and academically. The current proposal for sponsorship and financial support is the next step to enable the society to prosper on the future.

I would like to congratulate Ross for an exceptional year as president of the society and also for a successful conference in Perth last year. I feel that he has provided us with some excellent standards and ideas for future conferences

In my role as Vice President of Conferences I have focused primarily on making sure that ISBS sites are finalized over the next 3 years.

At this point in time we have finalized ISBS 2001 for San Francisco and John Blackwell will be in Hong Kong to promote the conference and provide details. John made the proposal to include the Biomechanics Teaching Conference in the same program as ISBS and it was generally agreed that this was a positive idea. There will be a Teaching segment attached to the web page. John is busy developing the plans and early organization for the conference next year. Kostas Gianikellis will present ISBS 2002 in Caceres Spain and is also in the process of developing his plan. The earlier we can finalize conference sites the better it is for the chair to plan and benefit from communication and interaction during the preceding conferences.

The site for ISBS 2003 is not decided as yet and we are still unsure of Otago's commitment but hopefully Alan Walmsley will continue his bid for the conference after providing an excellent presentation last year in Perth.

The Guideline on Policies and Procedures in the planning and organization of the conference is now on our home page and should be regularly upgraded and developed as we evolve. I would like to promote that these guidelines become, not only a conference organizational source but, the society's "Bible" for Policies and Procedures. This should become one of the main tasks of the Vice President of Conferences as it provides a basis for new members to learn about how we function plus it provides new conference chairs with guidelines to plan the conference in advance. Members of the Executive and Board should take any initiative to improve and upgrade the guideline with new information that might assist the conference planning or general operation of the society.

I would like to make the following suggestions for additional materials to be added to the policies and guideline procedures at some point in the future. Some will need to be clarified and discussed at the Executive Board level.

1. A comprehensive guideline for the organization and presentation of the Applied Program plus a format for consistency in Applied materials content on the web page.
2. A list of past and potential exhibitors with contact addresses and details.
3. Financial guidelines to assist the chair in the planning process, e.g. ideas and approaches for funding support and sponsorship to run the conference at a financial profit.
4. A comprehensive list of ISBS Executive roles, responsibilities and expectations to assist nominators and new appointees in the election process for new executive positions.
5. Specific roles for acting Board members so that they can play more of a role in the function of the society, e.g. Board members could be co-opted to work with Executive members on specific projects.

6. A list of related conferences and organizations, dates, addresses and conference details.

I will endeavor to get some of these completed over the next year. Thank you for the executive support over the last year and I look forward to another successful year leading up to I.S.B.S. San Francisco.

### **Application to Host Future ISBS Conferences**

The ISBS is at an exciting stage of development with very successful conferences held in Perth, Australia and Hong Kong over the last two years and with San Francisco and Caceras, Spain planned for 2001 and 2002.

The society would like to invite interested members to consider hosting a conference in future years and we are particularly interested in a host for 2003. The host sites are designed to rotate from one geographical region to another with the site for 2003 set for Australasia. However, we will still consider other venues if there are no suitable proposals from a particular region in any given year.

The proposal process to host the conference requires the potential chair of the conference to present a written proposal to the I.S.B.S. Executive. The guideline for the proposal is outlined on the I.S.B.S home page and is sent to the Vice President of Conferences to be distributed to the Executive Board for consideration.

It is the societies mandate to support and assist the chair in every way possible by providing guidelines and standardized procedures to organize and present the conference. Most of these guidelines are presented in written format on the ISBS home page (under <Conferences>) and others are in review or being developed:  
<http://www.uni-stuttgart.de/External/isbs/>.

The development of a comprehensive Applied Program is the focus for the future and this is being complemented by the CIS, an applied coaching site to provide biomechanical and

technical support for practitioners in the field. The development of a new ISBS journal is also in process. These are new and exciting times for ISBS so we would welcome your involvement to support the progress of the society.

If you are interested or need more information please contact me at [Tony.Bauer@lakeheadu.ca](mailto:Tony.Bauer@lakeheadu.ca) if you are interested in hosting the conference in 2003 or the following years 2004 North America or 2005 Europe and Middle East, Africa.

Thank you for your support and we look forward to your continued interest in ISBS.

*Tony Bauer*

### **VP for Public Relations Report 2000 Renato Rodano**

During the second year of my mandate as Vice President of Public Relations I have tried to act for the establishment of good relationships with other organizations.

As far as this duty is considered, preliminary contacts have been established in Rome during the annual congress of the ECSS (European College of Sport Science). ECSS is a European organization with a mandate to promote sport science in Europe by generating and the disseminating scientific knowledge concerning the motivation, attitude, values, responses, adaptation, performance and health aspects of persons engaged in sports. Despite the large number of participants at the congress in Rome, only a small number of people was interested in sport biomechanics and probably the distribution of interest is the same among the ECSS members. This seems to me an interesting starting point to integrate the competencies of the two societies with a mutual advantage. In the past a similar approach with ISB led to good formal relationships (mutual links on the web pages, information about the scheduling of the congress, hosting of the presidents at the congress).

During discussions with some ECSS executives, I had the opportunity to describe the activities of

ISBS and express our interest in different kinds of cooperation. I limited the action to this step because I think the potential benefits could be improved by means of a prolonged action based on a pre-defined strategy. For this purpose I intend to set up a working group (basically the members of the standing committee for PR) in order to draw guidelines that, once accepted by the Executives, will support the process. Reasonably, more options depending on the final level of co-operation, should be defined.

During this year I was involved in a new experience: to support Dr. Youlian Hong in the nomination of Congress Patrons. Prof. Arthur K. C. LI, Vice-Chancellor, the Chinese University of Hong Kong and Prof. Ping Chung LEUNG, Head of the New Asia College, The Chinese University of Hong Kong accepted this position for the XVIII Symposium of ISBS.

Just a reminder for the future: the chairman of the next Symposia, are kindly invited to submit in advance to the VP of Public Relations a short profile of the persons that should be nominated Patrons of a Symposium or, in case of an institution, a short description of its activities. This step will make it easier for the Executive council to appoint the selected person/institution.

Another new experience during my term of office has been the appointment of Mme. Lu Shengrong, President International Badminton Federation to the position of Honorary Vice President of ISBS. Our president, Ross Sanders delivered her an official letter, based on a draft written by David Waddell, reviewed together with me. Now we are waiting for a reply.

I would like to mention that Mme. Lu Shengrong is a Chinese citizen and this adds more significance to the announcement I have just made here in Hong Kong. Furthermore, I would underline that the International Badminton Federation has a large number of affiliates and, thanks to the knowledge achieved by ISBS through the experience of some its members, the possibility of concrete and fruitful co-operation between ISBS and IFB is much more than a dream.

Thanks to the enormous work done in the last years by ISBS executives, directors and members I was in the position to play good cards when I contacted a company involved in the production and sale of equipment for biomechanical analysis. The result of the contact is the activation of a process that, hopefully, will see the company to fund, in a way to be defined, ISBS activity. Once again, having in mind the future of the society, to draft a set of options of interaction is desirable, basically to avoid mistakes and to maximize the effects of potential agreements.

In this report, I would like to thank Ross Sanders for the engagement he demonstrated in the position of ISBS President. His continuous 'put gasoline on the fire' is a great stimulus for all ISBS members and executives. He, like an experienced coach, designs and applies heavy training programs to improve the performance of the team. I am sure that the training is, and will be, 'biomechanically correct'.

In conclusion I would press everybody is in this room and who will read this report, to 'use' the resource of the Public Relation position, to make easier all the initiatives aimed to make ISBS better known in their countries. An example: most of us work in a university, we should think about the possibility of hosting students who are members or work with members of ISBS?

The Vice President of Public Relation can facilitate the step 'from theory to practice'. For the future, I'm working to the idea to set up some instrument (brochure, CD ROM, other..) to facilitate the introduction of ISBS to organizations, societies, universities and companies potentially interested to ISBS activities. For this purpose, I'm organizing some questionnaires to distribute to the Executives in order to collect more detailed information on the needs of the society.

Finally, I use this occasion to thank ISBS and its members, for the opportunity to serve the ISBS in this position.

## New ISBS Members

Due to the substantial increase in new members it is not possible to list the personal contact details of each member. However, **welcome to ISBS!**

Claudio	Parente	Italy
Toru	Sugiyama	USA
Shing-Jye	Chen	USA
Alan	Walmsley	New Zealand
Vassilios	Vardaxis	USA
Roozbeh	Naemi	Iran
Antonio	Hernandez	Venezuela
	Guerrero	
Rolando	Carrizales	Venezuela
	Ramos	
Furio	Barba	Italia
Les	Stevens	Australia
Sharon	Fixler	USA
Kathleen	Roberts	Australia
Youngsoo	Lee	USA
Patrick	McLaughlin	Australia
Evangelos	Spyrou	Canada
Mladen	Mejovsek	Croatia
Andreas	Oberbach	Germany
Edvard	Kolar	Slovenija
Myoung Sung	Son	Korea
Chengzhi	Wang	China
Danny	Chu	Hong Kong
Steven	Cotter	USA
David	Mullineaux	UK
Lisa	Bridgett	Australia
Alberto	Lanzani	Italy
David	Sykes	Canada
Angus	Burnett	Australia
Ahmad	Arshi	Iran
Chang-Kook	Kim	Korea
Sung	Jo	South Korea
Randall	Jensen	USA
Jim	Danna	USA
Michael	Aughey	Ireland
Nachiappan	Chockalingam	UK
Dimitris	Skordis	Greece
Peter	Smyth	N. Ireland

Robert	Colclough	UK
Mianfang	Ruan	China
Joseph	Hutchinson	USA
Young-Tae	Lim	South Korea
Hiroyuki	Nunome	Japan
John	MacMahon	USA
Masayuki	Nagai	Japan
Jason	Wicke	Canada
Michael	Stone	Scotland
Dan K	Ramsey	Sweden
Jose Maria	BuadesRubio	Spain
Brian	Dangelmaier	USA
Yu	Wan	Hong Kong
Boonsakdi	Lorpipatana	Thailand
Li	Shuping	China
Friso	Hagman	Belgium
Chris	Stephens	USA
Matthew	Donohoe	U.S.A.
Kelly	Lockwood	Canada
Jeffrey	Marquez	USA
Thomas	Wood	USA
Shawn	Sorenson	Australia
Bryan	St. Laurent	USA
Andi	Russ	Germany
Pui	Kong	Hong Kong
Sang-Yeon	Woo	Korea
Abdalla	WassfIsaac	Egypt
Shen	Weihua	China
Handong	Cheng	China
Rosemary	Dyson	UK
Morteza	Shahbazi	Iran
	Moghaddam	
Joao	Silas-Boas	Portugal
Antonio	Silva	Portugal
Tang	Jim-Wu	China
Seok-Beom	Lee	Korea
Wlodzimierz	Erdmann	Poland
Liu	Ying	China
Veronique	Colman	Belgium
Mao	Songhua	China
Jean	Eckrich	USA
Hiroh	Yamamoto	Japan

## Quality Control Committee

Hans Gros (Chair), Tony Bauer, Ross Sanders,  
Richard Smith, Manfred Vieten

At present the following persons have expressed their interest to develop new sites under CIS:

Steele, Julie	Netball
McClymont, Doug	Rugby
Bauer, Tony	Power development
Vieten, Manfred; Sonnon, Scott	Martial arts
Fleissig, Glenn	Baseball
Ball, Kevin	Water Polo, Field Hockey
Cardinale, Marco	Team Handball
Lehrberger, Klaus	Skiing, winter Sports
McMahon, John	Running Injuries
Ferdinands, Rene	Cricket

The QCC has asked them to submit materials as outlined in the guidelines below.

### QCC Guidelines (Oct. 2000)

1. These guidelines have been established by the ISBS QCC. They are intended for authors and site compilers / editors.

#### 2. ISBS Mission and CIS

The specific and primary purposes of ISBS are: to provide a forum for the exchange of ideas for sports biomechanics researchers, coaches and teachers, to bridge the gap between researchers and practitioners and to gather and disseminate information and materials on biomechanics in sports.

ISBS achieves these goals mainly through the following activities:

- The scientific and applied programs of the annual *ISBS Symposium*,
- The main *ISBS WWW* site: <http://www.uni-stuttgart.de/External/isbs/>
- The *ISBS* conference proceedings *archives*:  
<http://www.education.ed.ac.uk/isbs-arc99/>  
and  
<http://www.uni-stuttgart.de/External/isbs/>  
under <Conferences>
- the *Coaching Information Service* (CIS) <http://www.education.ed.ac.uk/cis/>

- and the *Journal 'Sport Biomechanics'* (hard copy and electronic version). The Journal is planned to appear in 2001.

The scientific content of the CIS is under ISBS control, more specifically under control of the ISBS Quality Control Committee, chaired by the VP Publications.

#### 3. Guidelines for site editors/compilers:

3.1 Editors / compilers of the ISBS Coaching Information Service have to be ISBS members in good standing.

3.2 Each site editor is expected to establish an advisory board for their sport /discipline comprising other biomechanists working in this field as well as coaches and athletes. The advisory board provides feedback to the editor regarding contents and layout of the material presented. If the editor is unsure of submitted materials, he/she may ask the opinion of the advisory board and/or the QCC. Controversial discussion is encouraged.

3.3 The site editor is the contact person for all authors. He/she will ensure the quality and integrity of the presented materials, the compliance with the author's guidelines and will, if necessary, ask the author to make suggested changes / additions to their paper. Each piece of material presented on the CIS should be prefaced by a brief summary of the material in lay terms. An indication for whom the material may be useful and / or at what level it is pitched is strongly suggested.

Each site must contain papers and materials from a number of sources and should not be restricted to the work of only one or two people.

3.4 The Editor/compiler informs the QCC of all changes and additions to the site. The QCC will regularly appraise sites and make recommendations to the editors. In the future, a test site may be established.

3.5 Plans are underway to establish 'interactivity' with the readers. The Editors will support this feature and include appropriate material on their site.

3.6 CIS is highly dynamic - thus the guidelines of the QCC will remain flexible and will be adjusted to the changing needs and technical development. This is true for all aspects excluding the fundamental of CIS philosophy:

Sound science with applications in sports biomechanics, presented in a reader (viewer) friendly language and form.

3.7 The QCC (represented by the VP Publications) invites and welcomes all comments, complaints, suggestions and criticism regarding its work and the CIS.

CIS will be most successful if all groups involved (coaches, athletes, authors, and compiler / editors) share their ideas on how to improve CIS.

3.8 The QCC will inform all site editors of changes and additions to the guidelines.

#### **4. Guidelines for the installation of new sites**

4.1 To establish a new site within the ISBS Coaches Information Service (CIS) interested potential Editors are requested to proceed as follows:

4.1.1 The "new editor" (NE) contacts the Chair of the Quality Control Committee of ISBS with a statement of interest. This statement should include information about the NE, his/her scientific background, the involvement with the practical application of biomechanics, and the planned scope of the site. Endorsement from other ISBS members may be sought.

4.1.2 The QCC will respond with basic acceptance, alternate suggestions, modifications or rejection. The QCC will explain the rationale for its decision.

4.1.3 Based on the recommendations of the QCC the NE supplies details: initial structure, contents to start with, planned items for the future and a time-line for the development of the site.

4.1.4 The QCC will assess the material, accept or make suggestions for modifications and additions.

4.1.5 The NE makes the necessary arrangements for data transfer to the hosts of the CIS site (The University of Edinburgh, Faculty of Education, Dept of Physical Education, Sport & Leisure Studies [PESLS]) and their programmers. The QCC is informed as soon as the site is uploaded 'on the WWW'.

4.2 The guidelines established for site editors / compilers (see 3) apply.

#### **5. Guidelines for Authors of materials presented in CIS:**

The ISBS Coaching Information Service is tailored to the needs of coaches and athletes. Thus, it is imperative that the materials presented are concise and written in a form and language that it is understandable and appealing to the target groups. This requires modification of the normal style of scientific writing and inclusion of visual and audio-visual materials wherever appropriate.

The information presented must be scientifically correct and methodologically sound. "Coach friendly" is not an excuse to compromise science. "Coach friendly" is not an excuse to put personal opinion without scientific support to the CIS. However, personal opinion may be expressed if clearly identifiable to the reader.

It is a true challenge to 'have the best of both worlds', namely to present scientifically sound information in an appealing and understandable way. Tips on how this can be achieved may be derived by looking at papers / presentations presently available on CIS. The 'top articles' (by number of downloads) are a good starting point to learn about the style and content that is sought by readers.

*Hans Gros*

## **ISBS 2000: A look Backwards: Post Conference Report**

### **Youlian Hong, Ph.D.**

This is the post conference report submitted to Dr. Tony Bauer, Vice-president for Conference of ISBS.

*Hong Kong, August 22, 2000*

*The 18<sup>th</sup> International Symposium on Biomechanics in Sports (ISBS2000) was held in Hong Kong at the Chinese University of Hong Kong campus from 25 to 30 June 2000. Department of Sports Science and Physical Education, The Chinese University of Hong Kong, hosted this symposium.*

*A total of 313 delegates coming from 38 countries and regions all over the world participated in this symposium, of which 77 were the current ISBS members and 17 became the new members of ISBS at this symposium.*

*From the 315 submitted papers, of which the most were 4-page full-length paper, 275 were accepted for presentation at the symposium through a peer review practice by the Paper Review Board which was constituted by 40 experts. The 275 accepted papers consisted of 137 podium and 128 poster presentations. All papers were published in the 3-volume proceedings.*

*The symposium included 7 conceptual topics, 7 applied topics, and two workshops. The conceptual topics were:*

- 1. Biomechanics of fundamental human movement*
- 2. Biomechanics of neuro-musculo-skeletal system*
- 3. Biomechanics in training*
- 4. Biomechanics of sports injuries, orthopedics and rehabilitation*
- 5. Modeling, simulation, optimization in sports biomechanics*
- 6. Methods and instrumentation*
- 7. Biomechanics of pediatrics exercise*

*The applied topics were:*

- 1. Application of electromyography in movement studies*
- 2. Application of cinematography in competition*
- 3. Biomechanical principles applied in power strokes*
- 4. Application of filming and motion analysis movement studies*
- 5. Biomechanical analysis in tissue loading*
- 6. Fundamental skills of throwing*
- 7. Martial arts*

*The workshops were conducted on:*

- 1. Badminton for children based on biomechanical and physiological principles*
- 2. Badminton biomechanical elements and coaching cues for badminton power stroke*

*Dr. Bruce R. Mason delivered the Geoffrey Dyson Memorial Lecture entitled "Providing a service to an elite national sports program". Dr. Savio Woo, the Winner of 2nd IOC Olympic Prize, participated the symposium and delivered a special lecture in "Biomechanics of ACL & ACL Reconstruction". The New Investigator Award of this symposium was given to Dr. Young-tae Lim from Korea.*

*The social program of the symposium included opening banquet, night cruise with buffet dinner, half day City-of-Life tour with dinner, visiting Hong Kong Sports Institute, and closing banquet.*

*Besides the major sponsor, Vicon Motion System, the symposium was sponsored by the Chinese University institutions including the Golden Jubilee Anniversary of New Asia College and other commercial companies. Ten companies exhibited their products on the symposium.*

*All the ISBS members, who participated in the symposium, were awarded the official ISBS lapel pin. ISBS2000 sponsored producing the 500 lapel pins.*

# ISBS 2001: A Look Into the (Near) Future

## Biomechanics Symposia 2001

### John Blackwell, Ph.D

**2 conferences for the price of 1!**  
**Welcome to San Francisco!**  
**June 20-26, 2001**  
<http://www.usfca.edu/ess/sym2001/>

The XIX International Symposium on Biomechanics in Sports (ISBS) will be combined with the Fifth US National Symposium on Teaching Biomechanics in Sports (NASPE). Therefore, you'll have access to both conferences for one price! Honorary officials are San Francisco Mayor Willie Brown and US Senator Diane Feinstein. This conference is already ensured to have a high level of academic quality as well as a ton of fun (be prepared to participate in fun competitive events!)

The University of San Francisco is in the heart of the city, next to Golden Gate Park and close to attractions such as Chinatown, Fisherman's Wharf, and the Golden Gate Bridge. San Francisco is truly an international city that welcomes visitors from every nation.

#### **Important Dates**

Full Paper Submission	February 15, 2001
Notify Acceptance	March 15, 2001
Early Registration	April 1, 2001
Congress Dates	June 20-26, 2001

#### **Congress Schedule**

June 20, Wed	Opening /Banquet
June 21, Thu	ISBS Scientific Program
June 22, Fri	ISBS Scientific Program
June 23, Sat	ISBS Applied Program NASPE Teaching Symposium Conference Party!
June 24, Sun	ISBS Applied Program NASPE Teaching Symposium
June 25, Mon	ISBS Scientific Program Fun San Francisco Tour
June 26, Tue	ISBS Scientific Program Banquet
June 27, Wed	Optional Tours

Transportation, housing, scheduling, the call for papers and author information (and more) is available on the conference website:  
<http://www.usfca.edu/ess/sym2001/>.

Housing is available on USF's campus for as little as \$39/night for students and \$49/night for professionals. Registration for students is US\$195 and US\$295 for professionals before April 1, 2001.

#### **Program**

##### **Geoffrey Dyson Lecture:**

- ✧ Peter R. Cavanagh, The Center for Locomotion Studies, Penn State University, USA, "Biomechanics on the International Space Station."

##### **Invited ISBS Plenary Session Speakers:**

- ✧ Roger M. Bartlett, Director, Sport Science Research Institute, Sheffield Hallam University, U.K., "Performance Analysis: Is it the Symbiosis of Biomechanics and Notational Analysis, or is it an Illusion?"
- ✧ Walter Herzog, Kinesiology, Engineering and Medicine, University of Calgary, Canada, "The Biomechanics of Dynamically Contracting Skeletal Muscle."
- ✧ Herbert Hatze, Head, Department and Laboratory of Biomechanics, University of Vienna, Austria, "Power Assessment of Individual Leg Muscle Groups by Multistructural Analysis of Symmetric Vertical Maximum Effort Jumps."
- ✧ Ewald Hennig, Biomechanik Labor, Sport- und Bewegungswissenschaften, Universität Essen, Germany, "Tennis Racket Biomechanics - An Empirical Approach"
- ✧ Glen Fleisig, Smith & Nephew Chair of Research, American Sports Medicine Institute, USA, "The Biomechanics of Throwing."
- ✧ Jeff Broker, Sport Biomechanist/Manager of Biomechanics and Engineering, United States Olympic Committee Sport Science &

Technology Division, "Advanced Sport Technologies: Enhancing Olympic Athletic Performance"

- ✧ Jill L. McNitt-Gray, Biomechanics Research Lab, Departments of Kinesiology, Biomedical Engineering, Biokinesiology and Physical Therapy, University of Southern California, USA, "Impulse Generation During Jumping and Landing Movements."

#### **Invited NASPE Teaching Conference Plenary**

##### **Session Speakers:**

- ✧ Bob Schleihauf, Movement Analysis Laboratory Director, San Francisco State University, USA, "A CD-ROM Based, Interactive Biomechanics Course."
- ✧ Duane Knudson, California State University - Chico, USA, "Teaching Biomechanics in the Context of Professional Qualitative Analysis."

**ISBS Symposium Topics:** The International Symposium of Biomechanics in Sport provides for *Scientific* and *Applied* Programs, that together create a forum for coaches, practitioners, teachers, and researchers in sports biomechanics. Possible topics are listed below:

##### **Scientific Program:**

- ✧ Applied Methods and Instrumentation
- ✧ Coaching and Teaching
- ✧ Fatigue, Injuries, Orthopedics, and Rehabilitation
- ✧ Musculo-Skeletal System
- ✧ Sports Equipment
- ✧ Pediatrics/Geriatrics
- ✧ Modeling, Simulation and Optimization

- ✧ Pure and Applied Sports Biomechanics
- ✧ Training/Fitness

##### **Applied Program Topics:**

- ✧ Striking Skills (e.g., golf, baseball)
- ✧ Racket Sports
- ✧ Martial Arts
- ✧ Water Activities
- ✧ Extreme Sports
- ✧ Special Populations
- ✧ Cycling
- ✧ Gymnastics/Tumbling
- ✧ Locomotion
- ✧ Team Sports

**Teaching Symposium Topics:** The mission of the Fifth National Symposium on Teaching Biomechanics in Sports is to provide opportunities for interested professionals to share ideas and knowledge in both research and endeavors related to teaching biomechanics. This meeting continues a long tradition of sharing ideas to improve the teaching of sport and exercise biomechanics. Possible topics are listed below:

- ✧ Tips for the Novice Teacher
- ✧ Laboratory Activities
- ✧ Instructional Software
- ✧ Distance Education
- ✧ Curriculum Design
- ✧ Student Research Projects
- ✧ Inexpensive Instrumentation
- ✧ Qualitative and Quantitative Biomechanics
- ✧ Classroom Assessment
- ✧ Innovative Teaching Techniques

**Up to Date ISBS membership statistics** (FM=Full Member, SM=Student Member)

	Country	FM good	FM not	SM good	SM not
1	Argentina	0	1	0	0
2	Australia	20	5	13	7
3	Austria	2	1	0	1
4	Belgium	1	2	1	0
5	Brazil	3	5	0	3
6	Bulgaria	1	0	0	0
7	Canada	9	5	3	2
8	Chile	0	1	0	0
9	China	12	3	2	1
10	China (HK)	0	0	3	1
11	Colombia	0	1	0	0
12	Croatia	2	1	0	0
13	Czech Rep.	0	1	0	0
14	Denmark	0	0	2	2
15	Egypt	2	2	0	0
16	England	1	3	1	3
17	Estonia	0	1	0	0
18	Finland	1	1	0	1
19	France	3	4	0	1
20	Germany	18	7	10	6
21	Greece	2	7	0	1
22	Hungary	0	2	0	1
23	Iceland	0	1	0	1
24	Iran	2	0	1	1
25	Ireland	2	1	1	0
26	Israel	2	0	0	0
27	Italy	6	4	1	1
28	Japan	13	3	0	5
29	Korea	4	1	0	0
30	Mexico	1	2	0	2
31	Neth.Antilles	0	1	0	0
32	Netherlands	0	10	0	0
33	New Zealand	4	1	1	2
34	N. Ireland	0	0	1	1
35	Poland	1	0	0	0
36	Qatar	0	1	0	0
37	Russia	0	0	0	1
38	Scotland	1	0	1	0
39	Singapore	4	0	0	0
40	Slovenia	5	0	0	1
41	South Korea	1	1	0	1
42	Spain	3	4	0	1
43	Sweden	0	0	1	0

	Country	FM good	FM not	SM good	SM not
44	Taiwan	2	1	1	0
45	Thailand	1	0	0	0
46	UK	12	8	3	6
47	Ukraine	0	1	0	0
48	USA	74	43	28	44
49	Venezuela	1	1	1	0
50	Viet Nam	0	0	1	0
	<b>SUM</b>	<b>216</b>	<b>137</b>	<b>76</b>	<b>97</b>

The countries are given as the members supplied their data. For example members filled in UK, Scotland and England.

**Please inform us if any of your personal data changed as e-mail address, address, name etc.** We are unable to contact you if we do not have your actual e-mail and mail address! Simply log into the Internet using your personal access code, which you received via e-mail, change the data and press the "Send to the treasurer of ISBS" button. Forgotten your access code? Then, log onto the ISBS homepage and follow the link. Alternatively you may access the following Internet address directly and ask me to send a new access code:

<http://www.uni-konstanz.de/FuF/SportWiss/ISBS/ISBSChanges.htm>

*Manfred Vieten*

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<b>ISBS Membership Application Form</b>
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