

American Society of Biomechanics Newsletter

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www.orst.edu/dept/HHP/ASB

From the President

Mark D. Grabiner

I am honored to have been elected by the membership to serve the Society in this capacity. It is quite humbling since many of our past-presidents are recognized as today's leaders in biomechanics; those whose work inspires and provides direction for our own endeavors. Further, through their efforts ASB today reaps the benefits of the initiatives that they set in motion. In light of all that, I am reminded of the words of the great philosopher/poet, James Buffet... "Looking back at my background trying to figure out how I ever got here". Nevertheless, with the assistance of the Executive Board I hope to be able to continue the trend of increased growth and strength of ASB.

A implicit responsibility of the President is to assist the Society in maintaining its focus as well as providing vision. Assist is the functional term insofar as influential decisions are made through a group dynamic, the group being your Executive Board. This is a group with whom I feel privileged to work. Collectively, the Executive Board regularly, and critically examines the State of the Society. The purpose of this process is to focus on the strengths of the Society as well as weaknesses. Clearly our membership represents a strength. When I was elected to serve as Secretary-Treasurer in 1992, the membership was approximately 500. Today, that number exceeds 800 and it seems entirely possible that we can have 1000 members by the year 2000. Notwithstanding the growth of biomechanics as an important interdisciplinary endeavor, the increase in membership reflects the efforts of those who have served on the Education and Membership Committees, and who have served as the Program and Meeting Chairpersons. An outcome of these efforts represents yet another ASB strength, specifically the history of increasingly successful annual meetings, our most visible and defining event.

Our increased membership and the success of the annual meetings have, in part, contributed to the financial strength

presently enjoyed by ASB. As a young society, its assets were carefully nurtured, a practice continued today under the auspices of your Executive Board and Budget and Finance Committee. Today, however, these assets have been put to work for the Society. First, as investments, the net worth of the Society is growing more rapidly as you have learned each year at the Business meetings. This enhanced financial growth has allowed us to return larger dividends to the Society in the form of new initiatives.

Most notable in the recent past are the expanded initiatives that serve our student members, those upon whom the future of the Society depends. For many years now we have almost entirely subsidized student participation in our annual meetings. Recently, the student-related initiatives were expanded by the Grant-in-Aid program. Nearly \$7500 was awarded for student research at the Clemson meeting. In addition, the Clemson meeting marked the beginning of a new Travel Award program that will yearly provide limited assistance to student members to attend the annual meeting. Further, we received confirmation from Microstrain, Inc. of their decision to fund a new ASB student award in the area of instrumentation. More information on this new award is found elsewhere in the Newsletter. Lastly, plans were recently undertaken to begin an exciting new venture. Some time in the near future, ASB

In this issue . . .

	page
From the President	1
Secretary/Treasurer's report	2
GIA Program Chair report	6
ASB Award Announcement	7
Editorial	8
Job Opportunities	10
Calendar of Events	12
Students' Corner	13
Education Committee report	14
Annual Meeting Announcement	16

will host its first regional student meeting. The format of this event is still being planned and we already have a tentative site and meeting organizers. I hope to be able to report related developments in the Spring Newsletter.

In contrast to these developments, we can not lose sight of other long-standing areas that require some intervention to resolve. Three come to mind as examples. We have not been successful in our efforts to recruit substantially greater numbers of members from the Biological Sciences, Ergonomics and Human Factors, and Health Sciences. This has been a recurring issue for many years and although a solution has not been achieved, creative approaches to the problem are welcomed by the Executive Board. Regarding student membership, despite increased initiatives that benefit students the number of student members remains somewhat low. This may be resolved in time as it becomes increasingly evident that student membership and participation in ASB has very tangible dividends. In the meantime, I would urge our senior members to encourage their students to join and participate in ASB. Here's a radical thought, think ASB student membership as a way to say "Merry Christmas". As the last example, although our annual meetings have demonstrated increasing success, it is somewhat troubling that participation by ASB membership is actually quite low. Thus, as is the case with many professional societies, ASB is always interested in means by which we can increase the vitality of the meetings and thus attract greater numbers of its members.

At the bottom line, ASB exists because of and for its membership. If there are issues that you believe should be considered, feel free to contact me or another Executive

Board member to discuss it. If you feel that you would like to become involved in the affairs of the Society, again, feel free to contact someone on the Executive Board. ASB's growth has necessitated an increase in the number of standing committees that need both senior and junior members. As I look back, one reason that I presently have the opportunity to write this column is that nearly 10 years ago I was asked by an ASB president if I would be interested in sitting on an ASB committee. As always, my thanks to him and once again, my thanks to all of you for the honor of serving the Society.

From the Secretary/Treasurer

Joan Bechtold

To my warped mind, winter brings thoughts of dues letters being sent, checks received, addresses updated, and subscriptions dutifully renewed and received (all in front of a warm fire, of course). However, due to a convergence of circumstances (anything but harmonic) last year, many members experienced winter sliding into spring and beyond. Some of our journal problems stemmed from renewal receipts extending beyond the March three-month grace period that Elsevier gives us (in other words, send your check in promptly, and we will process it promptly). Other delays have not been explained. I would like to assure you, however, that Elsevier is taking our complaints seriously, and has been responsive in eventually sending bulk shipments of missing journals. For those of you with delayed Journal of Biomechanics subscription renewals, and who experienced the frustration of tracking your subscription, thank you for your patience.

To avoid a similar scenario this year, we are trying the following. You may notice that you are receiving this newsletter earlier than in the past. This will give you more time to send in your dues check and subscription renewal. Remember that Elsevier needs to have your money (which first has to be deposited in our ASB account here, sent to England, where the currency is converted and your account is updated) by the end of March, 1998. So, please plan ahead and save yourself some headaches.

Also, please let us know early on if you are not receiving your journals. (The fastest way to do this is to e-mail Carol Schutte: carol.schutte@co.hennepin.mn.us) This may allow us to head off any problems before you are many journals behind (and not receiving the issues with your own prize articles).

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After this, it will probably not come as pleasant news that the portion of your renewal which pays for your Journal of Biomechanics subscription is being increased. We should note that the number of pages in the Journal has been increased, of which ASB has been allocated twenty-five. We currently use these pages to publish Keynote lectures as full-length articles.

Also, you may recall that in the last two years we have been able to forestall planned price increases. This year, with Elsevier's cooperation, we have been able to negotiate a three-year agreement with incremental annual increases. With this stability in our relationship with Elsevier, we can plan the increases and not be in a bargaining situation each year. The prices for the Journal of Biomechanics are: 1998 - \$61, 1999 - \$66, and 2000 - \$71. Note that ASB's dues portion of your annual fee has remained constant since any of the Executive Board can remember, at \$25.

Now, to the good news. ASB's finances are strong, which allows us to continue, expand, and initiate services, awards and grants to our members. (More of the new and expanded initiatives are described elsewhere in this newsletter; they include student travel awards, regional student meetings, and an increase of the Borelli award to \$1,500).

ASB finances are divided into our investment account, and our checking account. Value of ASB's investments as of the annual meeting (9/17/97) was \$80,250, with an average annual return of 14.8%. The checking account report must be prefaced by the fact that it is not accurate to explicitly compare one year's finances with another's, since payments and income from dues/meeting expenses/journal expenses, etc. are not always incurred at the same time. That said, income for the year was \$60,062.48, expenses were \$51,280.77, and the balance of ASB's checking and T. Rowe Price accounts was \$35,576.43, resulting in a total balance of \$115,826.43. We have incurred larger expenses than previously, due primarily to the increased awards programs, most notably the successful Grant-in-Aid program, and matching funds donated by Al Schultz for six student travel awards. We also have been fortunate to receive support from the Whitaker Foundation for student activities at our meetings.

The membership now totals 809 (an increase from 740 in 1996). Female members number 165, 675 are regular members, 122 are students. Engineering/Applied Physics total 419, Exercise/Sport Science 129, Health Science 120, Ergonomics/Human Factors 63, and Biology 58. I would like to echo the Executive Board's desire to encourage the members in the Biological Sciences, to help maintain the interdisciplinary nature of our society.

Finally, in the summer election, the membership chose Bruce Martin to be President-elect and Tom Buchanan to be Program Chair-Elect. I would like to formally wish them well in their tenure, and I look forward to supporting their efforts. The formation of the Communications Committee was also ratified by the membership (Gerry Smith, its Chair, has already been extremely effective in updating the ASB web site, and putting meeting abstracts on-line).

An astute President once noted that ASB Bylaws state that ASB will not jointly sponsor a meeting with another organization (could that have been Mark?). Since 1998 will bring NACOB III, jointly sponsored by ASB and the Canadian Society of Biomechanics, the Executive board unanimously passed that the ASB Bylaws be updated to reflect NACOB joint-sponsorship. With your dues notice, you will find a statement to ratify that formally gives ASB the prerogative to jointly sponsor meetings of interest to its broad membership.

And, to manage our increasing involvement in awards to our membership, we have proposed the formation of an Awards Committee. Since this is a standing committee, we need the membership's approval. Please vote on the ballot included in this mailing.

Please don't forget to vote, and... please don't forget to send in your membership dues and subscription renewals soon, if not now. Thanks. Have a great holiday season, and a happy and healthy 1998.

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PROCEEDINGS FOR SALE

We still have a few copies of the Proceedings of the 1997 Annual Meeting of the American Society of Biomechanics left over from the meeting. If anyone is interested in purchasing a copy, please contact Joan Bechtold, ASB Secretary/Treasurer (page 4). The price for each copy is US\$ 25, and may be paid by check. Thank you!

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ANNUAL MEETING HOSTS NEEDED

What are your plans for the new millenium? How about inviting the ASB to hold their annual meeting at your university in the year 2001 or beyond? Proposals or inquiries should be sent to Bruce Martin, ASB President-Elect. (See page 4 for contact information.)

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1997 - 1998

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Membership Committee

Trey Crisco

Regular and Student memberships in the Society continue to grow steadily. A total of 52 applications for membership were received between January and June, 1997. The distribution of applicants among the various disciplines has remained the same over the years. Most of the applications are from Engineering/Applied Physics (59%). The next highest number of applicants were in the areas of Exercise/Sport Sciences (21%) and Health Sciences (10%). Biological Sciences and Ergonomics/Human Factors received 6% and 4% of the applications, respectively. Student applications accounted for approximately 30% of the total. Approximately 15% of the applications were not granted membership and were encouraged to strengthen their ties to the Society prior to acceptance.

The Membership Committee and the Society would like to extend its gratitude to Joseph Hamill of UMass-Amherst as he steps down from his position on the Committee to take on the increased load of chairing his department. Replacing Dr. Hamill will be Gregory Rash of the Frazier Rehabilitation Center, who will be representing Exercise/Sport Sciences Membership Committee. Dr. Rash joins the Membership Committee of Claire Farley, representing Biological Sciences, Irene McClay, representing Health Sciences, Mark Redfern representing Ergonomics/Human Factors, and Trey Crisco representing Engineering/Applied Physics. To continue the growth and vigor of the Society, the Membership Committee reminds you to encourage your colleagues and students to apply for membership.

We Need Your Contribution

Members are encouraged to contribute to the newsletter. A note, a letter to the editor, a lead on an interesting story, information about a scientific meeting, in fact anything of interest to the ASB membership would be most welcome. Send information scrawled in longhand, via e-mail, or on computer diskette for PC or Macintosh. If you have any other ideas, please get in touch. The next newsletter will be published in May 1998. **Deadline for submission of materials is 15 April 1998!**

Commercial Members

Commercial membership categories are aimed at encouraging affiliation by commercial organizations that market products which are used by the biomechanics research community, or companies that are otherwise engaged in activities that fall within the Society's general interest areas. The benefits and fees for Commercial Members of the Society have been reorganized. Based on level of support, commercial membership categories in decreasing order are Sustaining Member, Supporting Member, Contributing Member, and Corporate Member. Companies wishing to become a Commercial Member are encouraged to contact either Trey Crisco or Mark Grabiner (page 4) for details.

The ASB Executive Board is pleased to recognize:

Peak Performance Technologies, Inc.

as a **Supporting Member** of the American Society of Biomechanics.

We are also happy to acknowledge and thank the following companies for their continued support:

Aircast

DePuy

Howmedica

Kistler Instrument

Motion Analysis Corporation

MTS Systems

Noraxon U.S.A

Orthofix, S.R.L.

All members of the Society are invited to suggest names of potential commercial members. Please send your suggestions to Trey Crisco, Membership Committee Chairperson, at the address indicated on page 4 of this newsletter. If you have a particular contact person at the company, please make sure to include his/her name.

ASB Grant-in-Aid Program: Report on Year 1

Philip E. Martin, Ph.D., Chair
GIA Research Review Committee

At the mid-year meeting of the ASB Executive Board in February, 1996, the Board formally approved the Graduate Student Grant-in-Aid Program for a 3-year trial period, and directed me to initiate the program with the intent of making our first awards in July, 1997. We have now successfully completed a full cycle of the GIA Program. The purposes of my comments here are to summarize for the membership the GIA process and to provide recognition to those who received the first GIA awards and those who assisted in administering the program.

A two-stage review process was used. Twenty-five graduate students submitted 2-page letters of intent by the October, 1996 deadline. Applicants were directed to highlight in their letters the significance of their proposed research, specific aims and hypotheses to be tested, and proposed methods to be applied. The letters of intent were reviewed by a 5-member Research Review Committee composed of individuals representing each of the ASB membership categories. Based on the committee's assessment of the letters of intent, full proposals were requested from 11 applicants by March, 1997. A rating system similar to that used by NIH was used by the Research Review Committee during the second stage of the review process. Based on the proposal ratings and considering available funding, three proposals were targeted for one year of funding beginning in July, 1997. A total of \$6581 was distributed.

I am pleased to announce three very worthy recipients of grant funding from the first year of the GIA program:

- Susan E. D'Andrea, Department of Biomedical Engineering, Cleveland Clinic Foundation, Mathematical modeling of load transmission through the calcaneus.
- Jonathan B. Dingwell, Center for Locomotion Studies, Penn State University, Dynamic stability of normal and neuropathic subjects during overground locomotion.
- Brian G. Richmond, Department of Anatomical Sciences, SUNY Stony Brook, Mechanical properties of nonhuman primate forelimb bones.

I would also like to acknowledge the following members of the Research Review Committee who assisted me in administering the GIA Program during its first year: Thomas S. Buchanan, Department of Mechanical Engineering,

University of Delaware (Engineering and Applied Physics); Claire Farley, Department of Human Biodynamics, University of California, Berkeley (Biological Sciences); Mark S. Redfern, Department of Otolaryngology, University of Pittsburgh (Ergonomics and Human Factors); and Clinton T. Rubin, Musculo-Skeletal Research Laboratory, SUNY Stony Brook (Health Sciences).

In summary, I think the first year of the GIA Program was very successful. Many thanks to those students who submitted letters of intent and proposals. Members of the Research Review Committee were genuinely impressed by the high quality of research ideas submitted for the competition. I would also like to offer a sincere thank you to my colleagues on the review committee for the excellent quality of their reviewing service, and to members of the ASB Executive Board for their support of the program. We are now in the second year of the GIA competition. The deadline for letters of intent for year 2 was October 15, 1997. Letters received by that date are now under review, and I look forward to announcing a new set of grant recipients at this time next year.

Advertising in the ASB Newsletter

The Editorial Board invites various businesses and corporations that we feel have products that would be of interest to members of the American Society of Biomechanics to advertise in the ASB Newsletter.

We are interested in expanding our advertising base and would like any information you may have on North American companies that might have a product or an interest in advertising in the next issue of the Newsletter. Advertising space may also be purchased for job postings or other special announcements.

The current advertising rates are as follows:

1/4 page	\$75
1/2 page	\$150
full page	\$250
back page	\$500
separate insert	\$500 per insertion

Please contact the Newsletter Editor if you are interested in placing an advertisement or have any information concerning potential advertisers.

ASB Awards Announcement

ASB is pleased to announce its 1998 Award categories. All members are eligible to apply and are encouraged to invite their students and associates to apply as well. These awards recognize superior achievement and signify a high level of career accomplishment in the field of biomechanics.

BORELLI AWARD

This prestigious award for career accomplishment is awarded to an investigator who has conducted exemplary research in any area of biomechanics. Open to all scientists, including non-ASB members, except ASB officers and members of the Awards Committee. The award consists of a \$1500 cash prize and an engraved plaque. Candidates may be self-nominated or nominated by others including non-ASB members. Selection is based on originality, quality, and depth of the research and its relevance to the field of biomechanics. Five publications on a single topic or theme must be submitted. Awardee will be expected to present the research at the Borelli Lecture at the 1997 Annual Meeting.

YOUNG SCIENTIST AWARDS

This award recognizes early achievement for promising young scientists, and is awarded to one predoctoral and one postdoctoral scientist who are current or pending members of ASB. Award includes a certificate, \$200 cash prize, and a waiver of conference fees for the 1998 Annual Meeting. Candidates may be self-nominated or nominated by an ASB member. Submission of an abstract of original research for presentation with candidate as first or only author and supporting materials is required. Predoctoral materials include letter of support from the department head or graduate research advisor, short description of the candidate's research involvement, and papers submitted for publication. Postdoctoral materials include candidate's CV and prior research publications or submissions.

CLINICAL BIOMECHANICS AWARD

This award recognizes outstanding new biomechanics research targeting a contemporary clinical problem and is cosponsored by Butterworth-Heinemann, publishers of *Clinical Biomechanics*. Candidates must be members of ASB. The award includes a \$250 cash prize and an engraved plaque. A cover letter and abstract submission is all that is required to be sent to the Program Chair. Award is based on presentation of research by award finalists at the annual meeting.

TRAVEL AWARD

A travel fellowship of up to \$1000 is awarded to foster collaborative research and interaction among scientists. All ASB members are eligible to apply. The award can provide travel funds (often restricted by other grants) to carry out work supported by other means. Matching funds from the host's or candidate's institution are desirable, but not required. The funding period is from July 1 through June 30.

STUDENT TRAVEL AWARD

This award began in 1997 with a gift from Dr. Albert Schultz of the University of Michigan. This award, open only to ASB student members, supports student travel to the annual meeting. Last year six awards of \$250 were made by the ASB to students attending the meeting and presenting the results of their research.

ASB MICROSTRAIN AWARD

Microstrain, Inc., of Burlington, VT has funded a new, annual ASB award in the area of instrumentation. The award competition is open to undergraduate and graduate students who have made an innovative application of existing instrumentation or have developed new instrumentation for use in the field of biomechanics. This award will be presented for the first time in 1998 and will include a check for \$1000 and an engraved plaque.

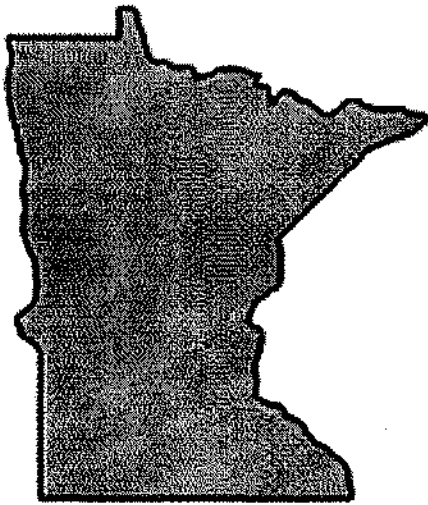
Contact Bob Gregor, Awards Committee Chair (page 4) for additional information.

Program & Meeting Chair Report

Melissa Gross & Stu McGill

The North American Congress on Biomechanics (NACOB) is a combined meeting of the ASB and CSB that occurs approximately every 6 years. It will be held at the University of Waterloo, August 14-18, 1998. The organizing committee has made efforts to host a first-rate meeting with minimum costs for delegates. We are able to offer full registration, all meals including the banquet, and student residence hall accommodation for approximately \$540 CDN (under \$400 US). The call for papers and abstract submission information appear on the back page of this issue of the Newsletter. Abstracts are due March 15, 1998.

Please send an email message to indicate your intent to submit an abstract, and assist us in generating an email list, to: nacob@healthy.uwaterloo.ca



Between the Lakes

Joseph Hale

Greetings from Minnesota! As promised in the last issue of the Newsletter, the editorial space has undergone a transformation as a result of my having accepted a new position at the Minneapolis Sports Medicine Center in the interim. The new heading for this column derives from what is perhaps the state's most familiar geographical feature. Minnesota is known as the Land of 10,000 Lakes (and 10 trillion mosquitos). (Other candidate headings included: Moose Droppings, Tales from the Twin Cities, and v\$B& - the Editorial formerly known as ...) At last count, there were actually 11,842 lakes ten acres or larger in size. Minnesota's lakes were created by a series of glaciers that swept southward from the Arctic nearly two million years ago. The last of the glacial ice melted a mere 10,000 years ago, leaving behind a rumpled landscape spotted with lakes. By now I suppose most of you must have begun to grasp the obvious, "hey, it's cold up there". (Exactly the response we received from many of our family and friends when we told them we were moving here. Which was not infrequently followed by "Have you lost your mind?".) Although winter has not even officially begun, I am hard pressed to disagree. Minnesota's climate has been described as "six months of winter; six months of tough sledding". The combination of water and extreme cold does make for some interesting recreational opportunities though - ice fishing, ice skating, ice sculpting. I think you get the idea. Now where did I pack those thermal underwear?

* * * * *

"There is a [naive] belief that if only *all* information can be distributed *everywhere*, a new day will dawn. Well maybe, but we'll all be too tired to appreciate that dawn, having stayed up all night to read the information."

— Ira Chaleff, *Computerworld* 29(42):37, Oct. 16, 1995

The internet seems to be both the solution and the source of the problem to which Chareff alludes. The sheer quantity of information accessible through the internet, quality notwithstanding, is overwhelming at present and continues to grow. In fact, it is nearly impossible to find a subject that is not on the web. Searches for what might seem to be rather obscure topics return a surprising number of matches: pluto (76592), apricot (28261), armadillo (15252), Edsel (5144), lugnut (488), fishhead(462), nosehair (96; including one sight addressing the ethereal question of 'why are some nosehairs longer...'). "Biomechanics", with 27,233 returned matches, falls somewhere between apricots and armadillos.

Although one might argue the utility of the internet as a means to increase productivity (a topic reserved for a future editorial), its presence in our everyday lives is undeniable. Universal resource locators (URL) and email addresses are attached to printed and broadcast advertisements as commonly as are fax numbers. Literature searches of libraries around the world are routinely performed without ever setting foot out of our offices. Even within our Society, there is a deliberate move toward increased presence on the internet. Abstracts from the annual meeting, the Newsletter, member registration forms — all are presently or will soon be available through the ASB homepage (www.orst.edu/dept/HHP/ASB). Like it or not, the internet has become an integral part of how information is disseminated and collected.

Short of paying someone to do it for you (not entirely a bad idea), there are basically two options for creating your own homepage on the internet. Web documents are created using a programming language called hypertext mark-up language (HTML). The first option requires the programmer to insert HTML 'tags' within the document that tell the web browser how to display the information. Not too long ago, the number of HTML tags was limited and authoring could easily be done by hand using an ASCII text editor. Because the number of available tags has expanded almost as rapidly as the Web itself, the second option may be more appealing to second-career webmasters. A number of commercially-available and shareware software packages exist which require less knowledge of the underlying HTML document code. Most of these packages provide a point-and-click interface that greatly facilitates development of more complicated pages. Some of the many commercial web authoring software packages that are available for both PC's and Mac's include:

Claris HomePage
Microsoft FrontPage
NetObjects Fusion
Adobe PageMill

This list is intended only as a starting point and not as an endorsement of any particular package. A list of freeware/shareware HTML editors for PC's and Mac's, as well as OS/2 and UNIX, can be found at: www.utoronto.ca/webdocs/HTMLdocs/tools_home.html.

For those bent on doing it "the old-fashioned way", here are a few basics that may help you get started. HTML tags are enclosed in brackets, "<" and ">" and in most cases appear in pairs. Certain tags should appear in every HTML file:

- <html>** and **</html>** should appear at the beginning and end, respectively, to identify the document as an HTML file
- <head>** and **</head>** mark the beginning and end of the Header section of the file
- <body>** and **</body>** enclose all the information you want the reader to see.

To create the framework for your homepage, open a new file named **home.html** using your favorite text editor and enter the following text:

```
<html>
<head>
<title> your name 's Home Page </title>
</head>
<body>
  information that you want to appear
</body>
</html>
```

Save and close the file. You should now be able to view your work using any web browser. Within the browser, select **open file** or **open page** under the **file** menu and enter the path and filename.

To enhance the appearance of the document, try using paragraph/line breaks **<p>** and "horizontal rules" **<hr>**. Note that no ending counterparts exist for either of these tags (i.e., no **</p>** or **</hr>**). Headers are created by inserting the desired text between **<h1>** and **</h1>** tags. There are six levels of headers (h1-h6) with level 1 being the largest. The **** tag allows you to add inline graphics to your HTML document. Images should be in either GIF or JPEG format. Pointers to other files are incorporated using the **** and **<a>** tags. Any text inserted between the tags appears as an active link when viewed with a Web browser.

A good way to learn about other HTML tags is to look at the source code for other pages on the web. To do this, find a page that has features of interest and simply select **view**

source from the **view** menu within your browser. With a little effort, it is usually possible to decipher the HTML-ese used to produce a particular effect.

Regardless of which option you choose, for your web documents to be accessible to others, they must reside on a server (typically a UNIX-based system) that has been configured as an internet host site and the level of access must be changed to allow read permission. Your local system administrator should be able to help you determine how this is accomplished on your particular platform.

Competition in the market for web browser software has led to some idiosyncracies in how certain applications display web documents. Although these problems are more common with newer, more advanced features, it is still important to view your page using various web browsers (Netscape Navigator and Internet Explorer being the most widely used) to ensure that the content appears as intended. You can't please everyone, but in this instance, you should at least try. To make this task easier, services exist on the web that will check your document and tell you if you depart from the HTML standard (www.webtechs.com/html-val-svc/).

In addition to a number of printed books on web programming, many useful tutorials and resources are available (where else?) on the Web itself. On-line guides can be found at:

www.ncsa.uiuc.edu/General/Internet/WWW/HTMLPrimer.html
deckernet.com/shed/htmlsite.htm
www.sandia.gov/sci_compute/html_ref.html

See you on the Web!

Attention ASB Members

If you are interested in becoming more active in the Society (e.g., serving on a committee or chairing a conference session), contact Suzanne Smith, Education Committee Chair (page 4) with your name, address, phone/fax number, email address, and your desired involvement. This information will be included in a data base which is periodically updated and distributed to the Executive Board. **Thanks!**

Job Opportunities in Biomechanics

FACULTY POSITIONS

Biomedical Engineering - Tenure-eligible Assistant Professor position. One of 4 positions as part of a Whitaker Special Opportunity Award - Implants and Imaging. Qualifications: Ph.D., research/teaching interests in biosolids, biofluids or biomaterials with applications to implant engineering. Send CV, description of research, 3 publications and 3 references to: Dr. Stuart Williams, Chair, Biomedical Engineering Program, 1501 N. Campbell Ave., P.O. Box 245084, University of Arizona, Tucson, AZ 85724 skwill@u.arizona.edu

Biomechanics - Stanford University Biomechanical Engineering Division and Dept. of Functional Restoration announce an untenured Assistant or Associate Professor position. Candidates should have a Ph.D. with research interest in organ, tissue or cell biomechanics. Contact Prof. Dennis Carter, BMEDiv. ME Dept. Stanford Univ. Stanford, CA 94305-3030. email: carter@bones.stanford.edu

Biomechanics/Ergonomics/Rehabilitation - York University, Department of Kinesiology and Health Science. Applications are invited for a tenure-track appointment at the Assistant Professor level in Biomechanics/Rehabilitation. A PhD is required and priority will be given to a promising publication record in refereed journals. The deadline for applications is January 31, 1998. For further information contact, Dr. R. Kelton, 4700 Keele Street, North York, Ontario, Canada. Tel: (416) 736-5728; e-mail: rkelton@yorku.ca

Exercise Science - Assistant Professor; nine month tenure track position. Required: Doctorate in exercise science; Experience teaching undergraduate exercise science/corporate and community fitness courses; Record of scholarly activity with commitment to research, publication and presentation. Send CV, transcripts, and 3 letters of reference to: Dr. Brad Stand; Bentson Bunker Fieldhouse; Fargo, ND 58105-5576 www.ndsu.nodak.edu/ndsu/administration/employment

College of Engineering and Applied Sciences - Openings for tenure-track faculty with possibility of part or full time non-tenure track teaching & research openings. Please contact department office before applying for any positions. Chair; Dept. of Bio and Materials Engineering; College of Engineering and Applied Sciences; Arizona

State University; P.O. Box 875506; Tempe, AZ 85287-5506.

Kinesiology/Physical Education - Tenure-track assistant professor position. Qualifications include PhD, university teaching experience, experience with education of culturally diverse populations, and demonstration of research potential. Submit letter of application, CV, statement of teaching/research interests, and 3 references by 1/9/98 to: Dr. Zenong Yin, Chair; Kinesiology Search Committee; Division of Education; The University of Texas at San Antonio; 6900 North Loop 1604 West; San Antonio, Texas 78249-0654

POST-DOC/FELLOWSHIP POSITIONS

Postdoctoral Fellowship in Cartilage Research available immediately. Ph.D. or equivalent level of experience in molecular biology or related field. Send CV and 3 letters of reference to: Shawn W. O'Driscoll, Ph.D. MD; Director, Cartilage and Connective Tissue Research Laboratory; Mayo Clinic; Rochester, MN 55905 Fax: (507) 284-5075 Email: odriscoll.shawn@mayo.edu

Post-Doctoral Scholar - position beginning July 1, 1998. Focus includes computational cell and tissue biomechanics research. Applicants must have an earned doctorate. Send CV, brief description of research and teaching interests, and list of 3 references by March 15, 1998 to: Donald P. Gaver, Ph.D.; PostDoc Search Committee; Department of Biomedical Engineering; Boggs Center, Suite 500; Tulane University; New Orleans, LA 70118-5674 www.bmen.tulane.edu

OTHER POSITIONS

Development Engineer(s) - entry level and experienced positions within orthopaedic implant engineering department. BS in Mechanical or Biomedical Engineering, with focus on mechanical design. Implant design experience is required for experienced position. Biomet, Inc.; c/o Staffing Department; P.O. Box 587; Warsaw, IN 46581-0587 www.biomet.com/employ.html

Biomechanical Engineer - Immediate opening in Research and Development facility. Position requires BS or MS with about five years experience in the design and development of medical devices for the orthopaedic industry. Mail resume to: Orthofix, Inc.; 101 North Chestnut Street, Suite 200; Winston-Salem, NC 27101 or fax to: (910) 721-0309.

Research Engineer - To perform experimental design, motion analysis, mechanical testing, and computational and statistical analyses. A BS or MS in mechanical or bioengineering is required. Contact Louis F. Draganich, PhD, The University of Chicago, Section of Orthopaedics and Rehabilitation Medicine, Department of Surgery, 5841 S Maryland Ave/MC3079, Chicago, IL 60637, Tel: 773-702-6839, Fax: 773-702-0076, E-mail: ldragan@surgey.bsd.uchicago.edu

Development/Manufacturing Engineer(s) - Genesis Orthopedics develops, manufactures, and markets innovative products for the orthopedic trauma market and is currently seeking candidates for: Director of Development Engineering, Senior Development Engineer, and Senior Manufacturing Engineer. BS in Mechanical or Biomedical Engineering and min. 3-5 years of development engineering experience in the orthopedic device industry required. Respond to: Mary Morrison, Human Resources, Genesis Orthopedics, 169 Bent Street, Cambridge, MA 02141 Fax: 617-576-6493

Systems Engineer(s) - Immediate opportunities for technical and customer support of company's kinematic and kinetic measurement tools. BS or above in biomechanics, engineering or computer science. Experience with MS Windows and PC hardware. Peak Performance Technologies, Inc.; Attention: Human Resources; 7388 South Revere Parkway, Suite 603; Englewood, CO 80112 Fax: 303-799-8690 Email: peaktech@peakperform.com

Technical Sales Representative - Responsibilities include selling video and real-time motion measurement systems and peripheral equipment to a variety of markets. B.S. (min.) in biomechanics, PT, engineering, or related field and 4-7 years of technical sales experience is required. Fax, mail, or e-mail letter of interest and resume to: Peak Performance Technologies, Inc.; PPT-TSR; 7388 S. Revere Parkway, Suite 603; Englewood, CO 80012 Fax: (303)799-8690 E-mail: peakinfo@peakperform.com

Research Engineer (Biomedical) - Design and implement experimental procedures to evaluate medical devices in laboratory and in-vivo experiments. Requires MS in Biomedical Engineering or equivalent with emphasis in biomedical instrumentation, signal processing, experimental methods, and physiology. Refer to position code #12555nj when applying for this position. Apply on-line at: www.swri.org/jobs/nj or mail resume to: Southwest Research Institute; Personnel Department; 6220 Culebra; San Antonio, TX 78238

Sr. Product Development Engineer - BA or BS in Mechanical Engineering or related field and five to eight years experience in medical device product development with minimum of three years concentration in the spinal implant market. Must be self-directed and motivated to work in an energetic start-up environment. Mail resume to: Personnel; Spinal Concepts, Inc.; 8200 Cameron Road, Suite B-160; Austin, TX 78754 or fax to: (512) 339-4878.

Materials Testing Engineer - full-time position involving project planning, equipment design, data collection and analysis, grant writing, and manuscript preparation. MS in mechanical or biomedical engineering preferred. Experience with material testing equipment, and knowledge of structural mechanics, orthopedics/anatomy, and instrumentation required. Send cover letter, resume, and list of 3 professional/2 personal references to: Kaine A. Kerkhoff; Mayo Medical Center; Human Resources-OE 1; Rochester, Minnesota 55905 Fax: (507) 284-1445 Email: kerkhoff.kaine@mayo.edu

NOTE: Applicants are strongly encouraged to contact the listing individual/institution directly to determine current status and obtain additional information.

Additional opportunities can be found on the ISB home page (<http://www.kin.ucalgary.ca/isb/jobs/jobs.html>) and on the Biomechanics World Wide home page (<http://dragon.acadiau.ca/~pbaudin/biomch.html>) by selecting Career Opportunities.

RESEARCH FUNDS AVAILABLE

Since its inception in 1969, The National Operating Committee on Standards for Athletic Equipment (NOCSAE) has been a leading force in the effort to improve the safety of athletic equipment. This effort includes the support of related research and the development of standards for protective athletic equipment. NOCSAE is soliciting scientific grant proposals on the mechanisms and the prevention of sports injuries, as related in some rational manner to protective equipment. The deadline for preliminary proposal is December 1, 1997.

To request further details and an application form, contact J.J. Trey Crisco, Ph.D., NOCSAE Director of Research. (See page 4 for contact information.)

Calendar of Events

22-25 Jan 1998 16th Annual Injuries in Baseball Course; Birmingham, Alabama. Judith Gold, Director of Administration, American Sports Medicine Institute, 1313 13th Street South, Birmingham, Alabama 35205. Tel: 205/918-2135; Fax: 205/918-0800.

28-30 Jan 1998 2nd Australasian Biomechanics Conference; The University of Auckland, Auckland, New Zealand. Patria Anne Hume, Lecturer, Biomechanics, Sport & Exercise Science Department, University of Auckland - Tamaki Campus, Private Bag 92019, Auckland, New Zealand. Tel: 649/373 7599 ext 6859; Fax: 649/373 7043; e-mail: p.hume@auckland.ac.nz.

6-8 Feb 1998 17th Southern Biomedical Engineering Conference; San Antonio, Texas. C. Mauli Agrawal, Ph.D., Co-Chair, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284. Tel: 210/567-6495; Fax: 210/567-6504; <http://sbec.abe.msstate.edu/>

2-5 Mar 1998 The 10th International Conference on Mechanics in Medicine and Biology, Honolulu, Hawaii. ICMMB-10 Secretariat, Attn: Lisa Jones, Department of Biomedical Engineering, 3304 G.G. Brown Building, University of Michigan, Ann Arbor, MI 48109. Tel: 313/764-9588; Fax: 313/936-1905; e-mail: icmmb@eecs.umich.edu; <http://bul.eecs.umich.edu/icmmb>.

16-18 Mar 1998 44th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA. Orthopaedic Research Society, 6300 N. River Road, Suite 727, Rosemont, IL 60018-4226.

15-18 Apr 1998 3rd Annual Gait and Clinical Movement Analysis Meeting, San Diego, CA. Diane Ambrosini or Jill Jordano, Children's Hospital, San Diego, Motion Analysis Laboratory - MC 5054, 3020 Children's Way, San Diego, CA 92123-4282. Tel: 619/576-5807; Fax: 619/614-7494; e-mail: dambrosini@chsd.org, jjordano@chsd.org.

22-24 May 1998 6th International Congress on Physical Education & Sport; Komotini, Greece. Dr. Savvas Tokmakidis, 6th International Congress on Physical Education and Sport Science, Department of Physical Education & Sport Science, Democritus University of Thrace, Komotini 69100, Greece. Tel: +30 531 21764; Fax: +30 531 33582; e-mail:

stokmaki@kom.forthnet.gr; <http://www.cc.duth.gr/conf/icpes98>.

20-21 June 1998 Annual Meeting of the Canadian Orthopaedic Research Society, Ottawa, Ontario. Max Aebi, M.D., Programme Chairperson, Canadian Orthopaedic Research Society, 1440 O. Ste-Catherine W., Suite 421, Montreal, Quebec H3G 1R8. Tel: 514/874-9003; Fax: 514/874-0464.

21-26 June 1998 13th U.S. National Congress of Theoretical and Applied Mechanics, Univ. of Florida, Gainesville, FL. Prof. M.A. Eisenberg, AeMES Dept. Univ. of Florida, PO Box 116250, Gainesville, FL 32611-6250. Tel: 719/333-4034; Fax: 352/392-7303; e-mail: meise@eng.ufl.edu.

27-30 June 1998 Congress of the International Society of Electrophysiology and Kinesiology, Montreal, CANADA. ISEK Secretariat, Conference Office, McGill University, 550 Sherbrooke St. West, West Tower, Suite 490, Montreal, QC, Canada H3A 1B9. Tel: 514/398-3770; Fax: 514/398-4854; e-mail: isek@UMS1.Lan.McGill.CA; <http://www.mcgill.ca/mco/isek>

28 June-1 July 1998 1998 Meeting of the International Research Society of Spinal Deformities; Burlington, Vermont. Ian A. Stokes, Ph.D., University of Vermont, Department of Orthopaedics and Rehabilitation, Burlington, VT 05405-0084. Tel: 802/656-2250; Fax: 802/656-4247; e-mail: irssd@med.uvm.edu; <http://salus.med.uvm.edu/~irssd/1998.htm>

2-5 July 1998 5th International Symposium on the 3-D Analysis of Human Movement, Chattanooga, Tennessee. Michael W. Whittle, MD, PhD, Cline Chair of Rehabilitation Technology, The University of Tennessee at Chattanooga, 615 McCallie Avenue, Chattanooga, TN 37403. Tel: 423/755-4747; Fax: 423/785-2215; e-mail: MichaelWhittle@utc.edu; <http://www.utc.edu/Human-Movement/>. Manuscripts due 30 Jan 1998.

8-11 July 1998 11th Conference of the European Society of Biomechanics, Toulouse, FRANCE. ESB'98, BP 3103, 31026 TOULOUSE CEDEX, FRANCE, e-mail: ESB98.Toulouse@purpan.inserm.fr; <http://esb.purpan.inserm.fr>.

13-17 July 1998 2nd International Conference on The Engineering of Sport, The University of Sheffield. Miss Amanda Staley, Conference Secretariat, 2nd International Conference on the Engineering of Sport, Depart-

ment of Mechanical Engineering, The University of Sheffield, Mappin Street, Sheffield S1 3JD, UK. Tel: (+44 114) 222-7801 Fax: (+44 114) 275-3671; e-mail: a.staley@sheffield.ac.uk.

21-25 July 1998 XVI Symposium of the International Society of Biomechanics in Sports; University of Konstanz (Germany). ISBS'98 Secretariat, Department of Sports Science, Lehrstuhl Riehle, P.O.Box 5560 D30, 78434 Konstanz / Germany. Tel: +49-7531883565; Fax: +49-7531-884221; e-mail: isbs98@uni-konstanz.de. <http://www.isbs98.uni-konstanz.de>. Abstracts due 15 Feb 1998.

2-8 Aug 1998 The Third World Congress of Biomechanics; Hokkaido University, Sapporo, Japan; Kozaburo Hayashi, Osaka University; Biomechanics Laboratory, Department of Mechanical Engineering, Faculty of Engineering Science, Osaka University, Toyonaka, Osaka 560, Japan. Tel: +81-6-850-6170; Fax: +81-6-850-6171; email: office@wcb98.me.es.osaka-u.ac.jp; <http://wcb98.me.es.osaka-u.ac.jp/>

8-12 Aug 1998 VI EMED Scientific Meeting, Brisbane, Australia. Novel Electronics Inc., 964 Grand Avenue, St. Paul, Mn 55105. Tel: 612/221-0505; Fax: 612/221-0404; email: novelinc@novel.de; <http://www.novel.de>. Abstracts due 28 Feb 1998

14-19 Aug 1998 3rd North American Congress on Biomechanics; University of Waterloo, Ontario, Canada; Stuart McGill; e-mail: mcgill@healthy.uwaterloo.ca.

10-13 Oct 1998 First International Conference on Medical Image Computing and Computer Assisted Interventions, Boston MA. MICCAI 1998, c/o Eric Grimson, MIT Artificial Intelligence Laboratory, 545 Technology Square, Cambridge MA 02139. <http://www.ai.mit.edu/miccai98.html>. Manuscripts due 3 Mar 98.

8-13 Aug 1999 XVIIth Congress of the International Society of Biomechanics; Calgary, Canada. Secretary General, 1999 ISB Congress, Faculty of Kinesiology, University of Calgary, 2500 University Drive N.W., Calgary, Alberta, T2N 1N4 CANADA. e-mail: isb99@kin.ucalgary.ca.

Students' Corner

Todd Royer

As your new student representative, I want to first thank Sheila Stevens for the outstanding job she has done as our student representative over the past year, including the student luncheon in Clemson. I look forward to interacting with both student and professional members in an effort to continually improve and build opportunities for students. If you have suggestions or concerns that impact student members, pass them along to me (todd.royer@asu.edu). If you are a student member who did not receive my early October email message, please contact me so I can add you to the student member electronic mailing list.

I am continuing to maintain the 1) Job Resource Center: a collection of job postings retrieved from email and internet sources, and 2) Virtual Mentor Program: a link between students and faculty to discuss, via email, profession-related concerns. If you would like information on these programs, please email me.

The Clemson meeting was a big success and I encourage you to submit an abstract for the NACOB meeting in Waterloo next August. You should also plan on applying for one of the competitive research awards. Student travel awards will again be available. Be cognizant of the upcoming deadlines. What a great opportunity it will be to meet students from the Canadian Society and discuss research interests.

Finally . . . who recruited you to become a student member in ASB? Most likely it was your advisor/mentor or a student colleague. Please encourage your class mates and lab cohorts to apply for student membership. The benefits are immense.

**Don't Forget
to pay your dues
and
vote for the
by-laws changes !**

Education Committee Chair

Suzanne Smith

The evaluation of the Twenty-First Annual Meeting of the American Society of Biomechanics held at Clemson University has been completed. A record 68 attendees submitted evaluation forms. Forty-two evaluations were received at the completion of the meeting and seven forms were received by mail. Nineteen attendees chose to electronically submit their evaluations. The respondents included 31 regular members, 23 students, two sustaining members, and 12 non-members. The interest areas of the respondents were primarily distributed between Engineering & Applied Physics (50%) and Exercise & Sports Science (34%). The following is a synopsis of the evaluation:

Ratings/Comments/Recommendations: Overall, the ASB conference at Clemson University was a great success given the numerous positive comments provided by the respondents. The staff, facilities, schedule/organization, session breaks, and banquet received primarily good to outstanding ratings. The geographical location of the meeting, housing, and audio/visual support received primarily average to good ratings. A few individuals commented on the inconvenience of having a conference located a significant distance from a major airport. The availability of adequate transportation between the conference site (Madren Center), hotels, restaurants, and recreational facilities was a major concern of the respondents. It was recommended that these locations be in close proximity to one another, at least within walking distance, whenever possible. This should minimize problems with providing adequate transportation to meet the various needs of the attendees. Focusing and handling of vertical slides were the major problems associated with the audio/visual support. This area continues to generate criticism from year to year. In combination with the inclement weather, travel difficulties may have contributed to the limited number of attendees participating in the laboratory tours. Only 10 individuals provided evaluations although the tours received primarily good ratings. Quite a few attendees did compliment the layout of the Madren Center and the centralized location of the meeting activities including the scientific sessions and the exhibitor displays. The keynote lectures, presented by Stuart McGill and Michael Turvey, and tutorials, presented by Richard Lieber and Brian Davis, were a great success, receiving high ratings and numerous positive comments. The awards session, awards luncheon, student luncheon, podium sessions, ASB meeting, and exhibits received primarily good ratings. The

scheduled time and food at the student luncheon was considered outstanding by quite a few attendees. Several respondents also commented on the good quality of the podium presentations. While the location and scheduled time of the poster sessions received mean ratings which were above average, the layout of the posters received a mean rating falling below average. Numerous comments were made on the limited amount of space available for posters and the resultant restrictions on traffic flow in the room. This is another area which continues to generate criticism from year to year.

Expansion/Reduction of Sessions and New Session Formats: A majority of about 70 - 80% of the respondents appeared to be satisfied with the current size of the scientific sessions. However, 32% of the respondents did recommend expanding the tutorial sessions. Interestingly, the majority of respondents were satisfied with the session formats although there were several excellent recommendations for improving the sessions. Twenty-five percent did recommend changing the format of the poster sessions with quite a few individuals suggesting the use of the thematic format. The thematic format groups posters into specific topic areas. The authors are given a brief period to present their research to an audience followed by an open discussion. It was noted that this type of format has been successful at other scientific meetings and promotes active interaction among the attendees.

Tutorial and Lecture Topics: Quite a few recommendations were provided on topics and presenters for future tutorials and keynote lectures. Suggested topics for tutorials included EMG techniques and analysis, modeling and simulation techniques, image processing, neural networks, muscle mechanics, knee and ligament mechanics and models, clinical epidemiology, clinical trials, wavelets, sports biomechanics, funding strategies, fundamentals of gait analysis, biology/sociology of aging, mechanical loading and adaptation of bone (possible debate), and ethical issues in biomechanics research. Suggestions for keynote lectures included microgravity effects on the musculoskeletal system, sports biomechanics, gait analysis, tissue-level biomechanics, computer simulations in biomechanics, and arthritis and articular cartilage maintenance. For the lectures, specific individuals were recommended with the understanding that they would present on topics pertaining to their research efforts.

Interested ASB Members: Eighteen individuals expressed their interest in becoming more active in the American Society of Biomechanics. These individuals have been added to the listing of interested members and distributed to the ASB Executive Board. Any other members wishing

to become more active in the Society should contact the Education Chair.

ASB Graduate Program Data Base: Six individuals provided information on the graduate programs at their institutions. These programs will be included in the Graduate Program Data Base accessed through the ASB Homepage.

All comments and recommendations made by those individuals providing evaluations of the 1997 meeting have been documented for distribution and discussion at the mid-year meeting of the ASB Executive Board. Those areas which continue to generate criticism from the attendees will be emphasized including transportation, audio/visual support, and the poster sessions. The Education Committee would like to extend their thanks and appreciation to all of those attendees who provided evaluations of the 1997 ASB meeting. The comments and recommendations will be invaluable in planning and improving our future conferences.

from the *Journal of Biomechanics*

Richard A. Brand, Editor-in-Chief

The Editors of the *Journal of Biomechanics* are pleased to announce that our efforts to reduce acceptance-to-publication times have finally brought down that figure to 4-5 months (from a high of 14 months). This is about as low as we can reasonably achieve with Elsevier's current production methods, and usual for all but the most rapid of publications. Accordingly, we feel we can relax what to authors must have seemed almost Draconian measures these past few years. While we will not be deviating too far from our published guidelines (3000 words maximum for an Original Article, and 1500 words for a Technical Note), we at least have some "breathing room" for those articles which deserve more length. We are still returning without review very long submissions (usually those in excess of 3500 words or where we judge revision and reduction to near guidelines would be difficult).

Last year, Elsevier agreed to publish an end-of-the year supplementary CD-ROM. The intent was to publish important material which simply did not fit the usual archival format (with its attendant restrictions): long but essential appendices, large data sets, additional figures, color plots, animation, etc. This will also help authors whose MS are too long owing to such material. We will be publishing the first CD-ROM for 1997 in March. The intent is to include this as part of the subscription without additional cost (at

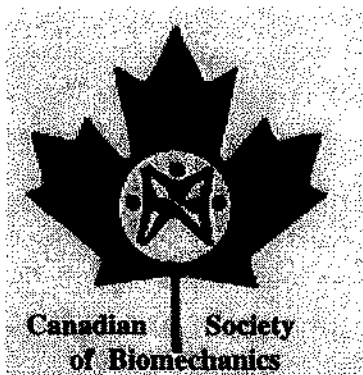
least initially). All ASB members should keep this option in mind when planning MS submissions, since it provides a valuable adjunct for publication.

Many authors question the distinctions between an Original Article and a Technical Note. Published guidelines state an Original Article is one "entailing an exploration of some explicit hypothesis or reporting original but substantial observations or data." A Technical Note, on the other hand describes "new techniques..., principles or data likely to be helpful to others, but without the testing of some hypothesis or exploration of some important issue." Conceptually novel models may also be published as Original Articles, but they should not represent mere refinements of existing models. In general, an Original Article will formally explore some biological or clinical question(s) or hypothesis(es) or one related to performance (i.e., sports). Submissions exploring technical issues related to model parameters or bench-top methods, for examples, are generally not considered as Original Articles. The intent is to focus our pages upon biological, clinical, or performance issues per se, rather than on the methods to address those issues.

Virtually all eventually accepted submissions undergo one revision. Some will under two or even three. The current submission-to-return-to-author times average about 3 months. A rare MS may require as long as 4-6 months if the editors have difficulty obtaining reviews. It is not unusual, for one, two, or even three referees to either return MS without a review or not respond at all. Obviously, we must "start from scratch." We attempt to identify only those referees who return MS in a timely fashion, but with 200-300 papers under review at any one time, we obviously keep many referees occupied! (We avoid sending more than one new MS to any one referee at a time, although they may find themselves with two or more revisions.) Further, a few excellent referees seem perpetually late, yet their input is valuable. The longest delays in publication come from authors. The return of revisions is typically 4-6 months. To stimulate quicker turnaround, we usually treat MS returned later than 6 months as new submissions.

I am always seeking new referees. If you do not currently review for the *Journal of Biomechanics* but wish to do so, please contact me, noting those areas of your expertise. We attempt to limit reviews to no more than four per year.

We encourage members to submit their manuscripts to the *Journal of Biomechanics*, the official ASB organ. We strive for rapid publication of the highest quality MS. I also encourage members with any constructive suggestions to contact me directly (dick-brand@uiowa.edu).



North American Congress on Biomechanics

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ASB Newsletter

University of Waterloo
Waterloo, Ontario, Canada

August 14-18, 1998

First Call for Abstracts

Information

Information about the meeting, accommodations and/or a Call for Abstracts may be obtained from the meeting website.

Abstract Deadline

Abstracts must be received by March 15, 1998 to be considered for presentation at the meeting. Notice of acceptance will be given by May 15, 1998. Information on abstract preparation can be found at the meeting website.

Please send an email message to indicate your intent to submit an abstract, and assist us in generating an email list, to: nacob@healthy.uwaterloo.ca

Awards

The American Society of Biomechanics is pleased to annually award the Giovanni Borelli Award, the Pre- and Post-Doctoral Young Scientist Awards, the Clinical Biomechanics Award, the ASB Travel Fellowship, and the ASB/Microstrain Innovation in Biomechanical Instrumentation Award. We encourage you to submit applications and nominations for these prestigious awards. For more information, please see page 7 or contact the Awards Committee Chair.

Meeting Website

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

