From The President
- Thomas P. Andriacchi -

The American Society of Biomechanics continues to grow in membership and improve the quality of its annual meeting. The 15th Annual Meeting of the Society held at Arizona State University was clearly a success and a true reflection of the Society's strength and maturation. Congratulations and thanks to Phil Martin (Meeting Chair) and Kit Vaughan (Program Chair) along with their committees for their efforts on behalf of the Society. The keynote symposium on topics of biomechanics at the cellular level and biomechanics in Olympic sports were excellent and representative of the scope of biomechanical interest in our Society. Thanks to the Educational Committee (Mary Rodgers) as well as Roger Enoka and Joe Sommer for two outstanding tutorial sessions which were well ended and well received.

The coming year should be an exciting and important year for the American Society of Biomechanics. The Second North American Congress on Biomechanics, NACOB II, will be held in Chicago in August of 1992. This meeting combines the 16th Annual Conference of the American Society of Biomechanics with the Seventh Biennial Conference of the Canadian Society of Biomechanics. The First North American Congress on Biomechanics, held in Montréal, was a huge success and we anticipate an even more successful meeting in Chicago as interest in the specialty of biomechanics continues to grow. I would encourage members to contribute papers and plan to attend this meeting in Chicago since it should be a unique educational experience as well as a pleasant social event.

On a personal note, I am looking forward to serving the Society as President during the coming year and the opportunity to help set some of the future directions of the Society. As such, I welcome any and all input from the members of the Society and their thoughts regarding Society activities and future directions. The Society has a dynamic Executive Board and committee structure. We welcome members to indicate their interest in participating in Society activities. I wish everyone a happy holiday season and a reminder to begin thinking about topics for submission to the upcoming annual meeting in Chicago.

Zernicke, Biewener Elected

Membership Also Votes To Include Saturday in Annual Meeting

Congratulations are in order to the winners of the ASB elections conducted earlier in the year. The President-Elect for the Society is Ron Zernicke, who will assume presidential duties at next year's Annual ASB meeting. The new Program Chairperson-Elect is Andy Biewener, and he will be responsible for the program at the 1993 Annual Meeting to be held at the University of Iowa. 49% of the membership voted.

Another item on the ballot last June was whether the ASB Annual Meeting should be structured to include a Saturday. A similar measure two years ago went down to defeat, but this year there was a strong majority (75%) voting to include a Saturday. Evidently, the cheaper airfares available when staying over a Saturday night have gained in importance as the economy has taken a dip. The change will not occur until the 1993 meeting, since next year's joint meeting with CSB in Chicago is already set. The Executive Board has decided that future meetings will retain a similar format to past years, but will run Thurs-Fri-Sat instead of the usual Wed-Thurs-Fri format.

1992 ASB Meeting To Be A Joint Meeting With CSB
— NACOB —

Following the success of the last North American Congress on Biomechanics held in Montréal in 1986 it was decided to hold another joint meeting as soon as was feasible. That time will arrive next August 24-28th in Chicago. The NACOB meeting combines the 16th Annual Meeting of the American Society of Biomechanics with the 7th Biennial Conference of the Canadian Society for Biomechanics/Société Canadienne de Biomécanique.

Lou Draganich from the University of Chicago is the Meeting Chairperson and has been working closely with the CSB to organize the combined conference which will be held at the McCormick Center Hotel. The NACOB meeting will be substantially larger than the usual ASB meeting with attendance in the range of 350. Joan Bechtold is the ASB Program Chairperson for the meeting, working with Richard Wells, Program Chairperson for CSB, in developing the scientific program. Meeting announcements will be out soon, and the abstract submission deadline is set for April 3, 1992.

The distinctive features of both the ASB and CSB meetings will be retained within the format of the NACOB meeting. A symposium on space biology is being planned to complement the traditional CSB locomotion symposium.
ASB 1991-92
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Electronic Mail

In the last Newsletter E-mail addresses were requested from those members desiring to publish their locations to other ASB members. Here are the E-mail addresses at this time. If you would like your mailbox identified, send the address to the newsletter editor.

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1991 Annual Meeting A Success

Hats off to Phil Martin and other organizers of the 15th Annual Meeting at Arizona State, and to Kit Vaughan and others who worked on the program for the meeting. Thanks also to Roger Enoka and Joe Sommer for their well attended and well received tutorial presentations. By all standards the meeting was a success, even for those who had their tie clipped at the barbecue.

Two authors withdrew papers during the week before the meeting. While this is much preferable to "no shows", it still causes inconvenience to those organizing the presentations and to those who must sit through 15 minutes of silence. In addition, some individuals who might have preferred to present orally instead of through a poster were denied the opportunity. While there will always be legitimate reasons for cancelling on short notice, everyone should make an effort to meet their commitments unless circumstances beyond their control intervene. By the way, no shows are barred from submitting papers for 2 years.

The Tilted Perspective

(Somewhat) Tongue-in-cheek comments from a casual observer at the 1991 ASB meeting.....

* Whatever happened to the question and answer period at the end of a scientific presentation. The "talk" portion of presentations at the ASB meeting averaged 13.75 minutes, followed by 10 seconds of applause, 5 seconds of "We have time for one question", 45 seconds of a question, and 15 seconds for an answer. Do presenters plan it this way, is it the result of sloppy preparation, or are studies getting so complex it is not possible to communicate the results in 10 minutes?
* Future meeting organizers take note:
  — The first gait session had 103 chairs filled and 25 standing locations occupied. It appears conference attendees do not always divide into equal groups. Luckily, the fire marshal did not show up.
  — Rooms with bright sunlight and only partially effective blackout curtains can make viewing slides an exercise for the eye muscles.
  — Pointers which use white light, while having the advantage of showing a true point, often do not make a noticeable appearance on light slides. At the next meeting everyone should be given a laser pointer as part of the registration packet.
  — 7:50 am as a starting time for welcoming addresses does not appear to be the best choice unless you like echoes.
* It looks like it is finally time to make three slide projectors standard issue in all meeting sessions. While some presenters used two projectors very effectively, others had difficulty cramming all their slides into two machines - a third controller to manipulate would make it easier to finish on time. ASB meeting chairs should prohibit the use of a single projector so that all presenters are given the same handicap.
* The presentation of 2-D data on 3-D charts is on the increase.
* One of the symposium speakers presented 2-D data in 4-D, overlaying stick figure animation on slow motion video images in an effective high-tech presentation.
* For those of you with color slide making programs - pastels should be eliminated. Purples, light reds, and pinks look great on the video screen, but on the big screen, 9 of 10 slides look fuzzy and fuzzy and illegible.
SUSTAINING MEMBERSHIP

The Sustaining membership category is 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. Each member contributes $500 per annum to the Society. The number of sustaining members is maintained at a level of approximately ten. We are happy to acknowledge and thank the following companies for their support as Sustaining Members:

- Motion Analysis Corporation
- Electro-Biology, Inc. (EBI)
- Interpore Orthopaedics
- Orthofix Srl
- Howmedica
- Aircast
- DePuy
- DonJoy
- Zimmer
- Protek
- Kistler

Where In The USA Do ASB Members Reside?

Melissa Hoy continues to squeeze the ASB membership database for all that it can produce. Shown below are some demographics for where ASB members reside. This table will form the basis for a new competitive event at the next Annual Meeting based on the popular Carmen Sandiego game show. Study the list and come prepared to demonstrate your knowledge of ASB in the USA. 41 states are represented, and the states which are not are looking for members to relocate there - contact the local chamber of commerce.

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New Member Statistics

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Accepted Applications By Categories

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ASB Award Nominations

Borelli Award

The American Society of Biomechanics annually awards the
Guido Borelli Award to an investigator who has conducted
exemplary research in any of the many areas of biomechanics. The
Award Committee will consider submissions by individuals or
groups in the form of (a) an original unpublished research paper; or
(b) a series of up to five published research papers on a single topic
or theme. ASB members may also nominate others for
consideration within the second category. If such a nomination is to
be made, the member making the nomination must obtain
permission from the nominee before submitting his or her name.

The Borelli Award is open to all scientists except members of
the ASB Awards Committee and officers of the Society.
Membership in the ASB is not a prerequisite for eligibility.

Criteria for selection will include originality, quality, depth of
the research, and its relevance to the field of biomechanics as a
whole. The award consists of a $500 cash prize and an engraved
plaque. The winner of the award will be expected to present the
research at the Borelli lecture at the 16th Annual Meeting of the

Young Scientist Award

The American Society of Biomechanics annually awards one
post-doctoral and one pre-doctoral ASB Young Scientist Award.
ASB young scientists will receive an award certificate, a $200 cash
prize, and a waiver of conference fees for the annual meeting in
which they present their research. Eligibility criteria for the two
awards are similar, with the information specified below in italics
for the pre-doctoral award.

Candidates may be self-nominated or nominated by an ASB
member, must be a current or pending member of ASB, and must
have completed a doctoral degree within the past four years (pre-
doc: must not have completed a doctoral degree prior to the Annual
Meeting at which the award is given). Candidates must supply a
current copy of the curriculum vitae (pre-doc: provide a short
description of the research involvement at undergraduate and/or
graduate levels). The candidate must be the first author or only
author of the paper(s) and must present the research (if accepted) at
the Annual Meeting. His or her work may be in several formats: e.g.,
unpublished doctoral dissertation, papers submitted for publication,
published articles (pre-doc: a letter endorsing a candidate in
support of his or her research from the department head or graduate
research adviser must also be submitted). The candidate must also
submit both a short and long abstract according to the ASB Annual
Meeting format.

ASB Travel Award

The American Society of Biomechanics annually awards a
travel fellowship of up to $1000 to facilitate collaborative research
and interaction among researchers. All ASB members are eligible
to apply. The fellowship is intended to cover travel and lodging
costs, and matching funds (from the host’s or candidate’s institution
grants) are desirable, but not required. The funding period is from
July 1 through June 30.

Executive Board Notes

(continued from Page 3)

nominations. Note that the abstract submission deadline for this
year may be somewhat different since it is a combined meeting
with CSB.

• The Travel Fellowship this year was split between two recipients,
  with each receiving the full amount of the award after some
deliberation by the Board. In the future, the Board recommended
that the Awards Committee select only one recipient each year.
Travel Award recipients will be required to write a report for
publication in the Newsletter, and the current requirement to
present a report at the Annual Meeting will be relaxed from being
mandatory to being suggested.

• The Board discussed exhibitor exclusivity at the Annual Meeting.
  It was decided that no exhibitor should be allowed to sponsor the
  meeting in exchange for the right to exclusive exhibition.

• Exhibitors can be allowed to exclusively sponsor meeting events,
  however, such as a reception.

• Pergamon Press is pressing for more $ for the Journal of
  Biomechanics subscriptions that come with being an ASB
  member. The Board asked for further information before making
  a recommendation to the membership.

• The University of Iowa was chosen as the site of the 1993 Annual
  Meeting. This was the site of the first ASB meeting back in 1977.

• The ASB mailing list can be distributed to other scientific
  organizations if there is no commercial interest and if the
  organization pays for the printing and postage costs.

• Mansour Moenszadeh will serve as the ASB representative on the
  U.S. National Committee on Biomechanics, replacing Roger
  Enoka.

Applications must include a current curriculum vitae, a
candidate’s cover letter, a letter from the host indicating support for
the travel, a synopsis (two pages maximum) describing the purpose
and significance of travel, and a detailed budget of justification
(when appropriate, matching funds should be indicated).

A short report (two pages maximum) explaining the significant
outcomes of the travel must be submitted by the fellowship awardee
to the Awards Committee of the ASB prior to August 31 of the
following year, or at the end of the fellowship. Fellows will be
expected to write a report for publication in the newsletter and are
encouraged to present a report at the Annual Meeting following the
award of the fellowship. This presentation should emphasize the
significant outcomes of the travel.

Notice of the award will be given by June 1 to allow at least
thirty days notice before the earliest date of proposed travel.

Awards Submissions

Nominations must be received by April 3, 1992. Requests for
information and supporting materials for nominations should be
sent to: George T. Rahn, M.D.
Dept. of Orthopaedics
2230 Stockton Blvd.
Sacramento, CA 95817
Notes & News

- The financial records of ASB were audited by the informal accounting firm of Drs. Scott Hollister and Steven Goldstein, auditors usually posing as scientists and based in the Orthopaedic Research Laboratories of the University of Michigan. They concluded that Melissa Hoy was guilty of no wrong-doings, that no anomalies were found in the accounting procedures, and that all expenditures appeared warranted. Their $30,000 auditing fee will be audited by next year's auditors (which will probably be the same individuals).

- Roger Enoka spent an extraordinary amount of time revising and updating a document which details the responsibilities of the Executive Board members. Each position has detailed guidelines for what is expected from each position that will greatly help in transitions between Board members. Many thanks to Roger.

- ASB member Don B. Chaffin from the Univ. of Michigan received the Dr. David F. Baker Distinguished Research Award from the Institute of Industrial Engineers (IIIE). The award recognizes significant contributions to the advancement and progress of the industrial engineering profession through outstanding research activity.

- ASB member Dr. Tony Keller from the Univ. of Vermont was awarded a Fulbright grant to conduct research in Sweden on biomechanical and epidemiologic factors associated with low back pain.

ASB 1991 Annual Meeting Abstracts

Phil Martin reports that there are some proceedings from the 1991 meeting available for purchase. Included are 123 two-page mini-papers and a total of 304 pages. The cost, which includes mailing fees, is $18.00 US. Checks should be made out to 1991 ASB Annual Meeting. Send request and payment to:

Philip E. Martin
1991 ASB Meeting Chair
Arizona State University
Tempe, AZ 85287-0404

The Newsletter Needs Your Contribution!

Members are encouraged to contribute to the newsletter. A note, a letter to the editor, a lead to an interesting story, information about a scientific meeting, an opinion, or a feature article - anything that might be of interest to others in the Society. There is particularly a need for contributions specific to the various subdivisions within ASB, including information about upcoming meetings. Send information scrawled in longhand or on disk via Macintosh or IBM Microsoft Word or text format. Anyone interested in contributing on a one-time or regular basis should send suggestions to:

Keith R. Williams
Newsletter Editor, ASB
Physical Education Department
University of California, Davis
Davis, CA 95616
(916) 752-3337 Fax: (916) 752-6681
xt Newsletter Publication Date - June, 1992
Deadline for Submission of Materials - May 15th, 1992

During the past year efforts have been made to formally and regularly involve students in the activities of the Society. Much of the credit for this activity can be given to Norman Murphy who has put in considerable effort toward having students represented in the organizational structure of ASB and in trying to stir up student interest in being involved. An increased level of participation is welcomed by ASB and all students are encouraged to become involved.

To facilitate involvement, the ASB Executive Board has put in place a student representative position on the Education committee, with Norman as the interim representative. He is working on student involvement at the next Annual Meeting in August in Chicago, so students (or anyone else for that matter) should contact him if you have suggestions. He would like to develop a forum for student interaction, establish contacts among students for job and educational opportunities, and PR for student awards.

The process for increased involvement has been initiated - now it is up to the rest of the students in ASB to collectively put in the effort to make this a useful and worthwhile endeavor.

Students' Corner

By Norman Murphy
Interim Student Representative

On the subject of student correspondence, several letters (dated September 24, 1991) that were previously mailed to the students were "Returned to Sender" with an additional correspondence on the envelope. For those who have a new mailing address, could you forward your new correspondence to Dr. Melissa G. Hoy, Secretary/Treasurer.

Concerning the 15th Annual Meeting held in Tempe, I take this opportunity and congratulate Dr. Joseph H. Sommer III and Dr. Roger Enoka for their excellent tutorial presentations. Their effort in preparation and presentation was highly appreciated by the audience.

Additionally, I send forth my appreciation to the ASB executive officers as well as to Dr. Philip Martin and Dr. Christopher "Kit" Vaughan for their support and time they have allocated me concerning the subject of student representation.

On a final note, I invite all students as well as other members of the Society to address their comments, opinions, or suggestions concerning the subject of student representation to:

Norman Murphy, M.Sc.
Human Movement Laboratory
Pediatric Research Center
3rd Floor, Block 7
Sainte-Justine Hospital
3175 Cote Sainte-Catherine
Montreal, Quebec, Canada
H3T 1C5
Phone: (514) 345-4740
Fax: (514) 345-4801
Email: aissaoui@ere.umontreal.ca
Jobs! Jobs! Jobs!

This location will be used to advertise any positions that might be of interest to ASB members. Forward a copy of the position announcement and it will be included in the next issue of the newsletter.

The Cleveland Clinic Foundation
Professional Staff position for someone with a demonstrated interest in the application of modeling and optimization techniques to research and clinical questions regarding analysis of human motion of the normal and pathological human neuromuscular and musculoskeletal systems. Responsibilities: All areas of research interest will be considered, however, individuals with research programs in biomechanics, biomaterials, or medical imaging or artificial organs are preferred. Candidates will be expected to teach both graduate and undergraduate courses and to develop funded program of Bio/Biomedical Engineering Research. Qualifications: PhD in Bioengineering or Biomedical Engineering or in another Engineering discipline with a history of research activity in Bioengineering or Biomedical Engineering. Application: Submit a cover letter, curriculum vitae and three letters of recommendation to: Dr. Mark Grabner, Chairman, Biomechanics Search Committee, Department of Biomedical Engineering and Applied Therapeutics, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, Ohio, 44195-5254.

Arizona State University
Tenure-track position in Bioengineering at the assistant, associate, or full-professor level. Nomination or application of individuals qualified as "eminence scholars" are encouraged. Responsibilities: Participate in ongoing research projects, develop new research areas, and pursue and develop funding sources. Qualifications: PhD degree in biomechanics, biomedical engineering, mechanical engineering or related area. Application: Send a curriculum vitae, a statement of teaching and research objectives, and a list of three references to: Dr. Eric J. Guilbeau, Chair of the Search Committee, Dept. of Chemical, Bio and Materials Engineering, Arizona State Univ., Tempe, AZ 85287-6006. Deadline: February 1, 1992. or until the position is filled.

University of California, Davis
Assistant/Associate Professor in Biomechanics with research expertise in the biomechanics of human movement. Responsibilities: Contribute to and extend current offerings in the area of biomechanics and neuromuscular function, including development of independent research program, development of additional UG and G courses in biomechanics, and advising of students. Qualifications: Earned doctorate in biomechanics, bioengineering, or other appropriate areas and evidence of scholarly achievement in biomechanics. Application: Send a letter of description of interests and qualifications, a curriculum vitae, copies of three relevant research publications, and the name, phone number, and name and address of three individuals who you have asked to submit letters of recommendation to Keith R. Williams, PhD, Chair, Department of Physical Education, University of California, Davis, CA, 95616-8674. Deadline: Jan. 31, 1992.

University of Illinois at Urbana-Champaign
Tenure track position starting August 21, 1992, in Dept. of Kinesiology, specializing in biomechanics. Rank open, but primarily seeking individuals at the Asst. Professor level. Responsibilities: Research function includes independent research, directing student research, and seeking grant support. Instruction involves teaching and advising both undergraduate and graduate students. Qualifications: Academic background and training relevant to biomechanics. PhD required. Application: Letter of application, vitae and three letters of recommendation should be sent to Les Carlson, Chair of Search Committee, Dept. of Kinesiology, Univ. of Illinois at Urbana-Champaign, Louise Freer Hall, 906 S. Goodwin Avenue, Urbana, IL 61801. Deadline: Feb. 1, 1992.

Indian Institute of Technology, New Delhi
Assistant Professor of biomechanics with special interest/experience in injury mechanics/ergonomics in general end injury control/safety. Application: Professor Dinesh Mohan, Centre for Biomedical Engineering, Indian Institute of Technology, New Delhi 110016.

Coming Events

February 3-4, 1992
Mountain Sports and Sciences, International Scientific Congress, Winter Games 1992, Genoble Session, France. (c/o Cerna, B.P. 35, 73202 Albertville Cedex, France

May 12-14, 1992

May 23-27, 1992
Xth International Symposium on Posture and Gait. (c/o Posture & Gait Symposium Coordinator, Good Samaritan Hospital & Medical Center, 1015 NW 22nd Avenue, N300, Portland OR, USA, 97210-5198 Tel 503-229-7348 Fax: 1-503-790-1201).

June 2-6, 1992
International Conference on Computer Applications in Sport and Physical Education, Wingate Institute, Israel. (c/o Conference Secretariat: Int. Conf. on Com. Appl. in Sport and Phys Ed., Wingate Institute, Netanya 42902, Israel. Tel: 972-53-25954 Fax: 972-53-54374)

June 10-14, 1992

June 15-19, 1992
X International Symposium of Biomechanics in Sports (ISBS '92), Milano Italy. (c/o ISBS '92 Symposium Secretariat, Centro Di Bioingegneria, Fondazione Pro Juventute, IRCCS, Policlinico di Milano, Via Capecelatro 66, I-20148 Milano, Italy. Tel: 39 2 40308305 Fax: 39 2 26861144)
ASB Brochure/Database

During the past year the Education Committee has received a number of inquiries from various individuals, mostly from students. Inquiries have been from students, national and international, undergraduate to doctoral, looking for specific types of information or particular types of academic programs related to biomechanics. Less numerous have been requests by members of the legal profession who have a need for experts in biomechanics. These requests were either responded to directly by Education Committee member Mark Grabiner, or a contact person within ASB was supplied. In order to respond to these types of inquiries more effectively, an ASB Referral Database is being developed. If you will fill out the form below you will be added to the database. Return the form to: Mark Grabiner, Ph.D.

Department of Biomedical Engineering
and Applied Therapeutics W1-552
The Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, Ohio 44195

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Full Name ___________________________________ Present Position ________________________________

Highest Degree __________  Degree Awarded From __________________________ Date __________

Affiliation Address ________________________________________________________________

Phone __________________ Fax __________________ Email __________________

Home Address (Optional) __________________________________________________________

Phone ________________________________________

Keywords Related to Area of Expertise (Both general and very specific terms that reflect areas of expertise)

________________________________________________________________________________

Keywords Related to Academic Areas (Terms that reflect academic areas in one's undergrad and grad biomechanics programs)

________________________________________________________________________________

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Coming Events

(continued from Page 7)

June 21-24, 1992
Eighth Meeting of the European Society of Biomechanics in association with the European Society of Biomaterials. (c/o Conference Secretariat: ESB92 Instituto di Fisiologia Umana, Università 'La Sapienza', Piazza Aldo Moro 5, 00185 Rome Italy. Tel 39-6-49-673 Fax 39-6-4452824)

June 27-30, 1992
International Symposium on 3-D Scoliotic Deformities & VII International Symposium on Spinal Deformity and Surface Topography, Montréal, Canada. (c/o Int. Symposium on 3-D Scoliotic Deformities, Institut de génie biomédical, Dr. Jean Dancause, École Polytechnique, PO Box 6079, Station “A”, Montréal, Quebec, H3C 3A7, Canada)

June 28-July 2, 1992
9th International Congress of ISEK, Florence, Italy. (c/o CE.S.P.R.L. Fondazione Pro Gnocchi, Via Impruneta 124-50020 Monte Orioio, Florence-Italy Tel: 39-055-208322/208426, Fax: 39-055-208428)

August 18-21, 1992
3rd International Symposium on Sport Surfaces, Calgary, Alberta, Canada. (c/o Conference Office, Faculty of Continuing Education, The Univ. of Calgary, 2500 Univ. Drive N.W., Calgary, Alberta, T2N 1N4. Tel: 403-220-5051 Fax: 403-289-7287)

August 24-28, 1992
Second North American Congress on Biomechanics, Chicago, IL (c/o Louis Draganich, Dept. of Surgery, Univ. of Chicago, 5841 South Maryland Ave. Box 421, Chicago, IL 60637, Tel:312-702-6839)

September 4-5, 1992
International Conference on Experimental Mechanics: Technology Transfer Between High Tech, Engineering & Biomechanics, Univ. of Limerick, Ireland. (c/o Conference Secretariat, BSSM'92 Fax: 353-61-330316 (Ireland, Eire) or e-mail at L presenter@ul.ie

December 2-4, 1992
Seventh International Conference on Biomedical Engineering, National Univ. of Singapore. (c/o Secretary, 7th ICBME 1992, Dept. Orthopedic Surgery, National Hospital, Lower Kent Ridge Road, Singapore, 0511. Tel(65) 772 4424 Fax: (65)778 0720)
ASB Tutorial Proposal

Title of Tutorial ____________________________________________

Principal Presenter:
Name ____________________________________________________ Degrees ________

Affiliation/Organization ____________________________________________

Address/City/State/Zip: ____________________________________________

Telephone ______________________ Fax ____________________________

Email _________________________________________________________

Other Presenters:
Name ____________________________________________________ Degrees ________

Affiliation/Organization ____________________________________________

Principal Presenters:
Name ____________________________________________________ Degrees ________

Affiliation/Organization ____________________________________________

Short Description (150 words or less)

Audiovisual Needs ____________________________________________

Please return to: Mary Rodgers, ASB Education Chair
Institute for Rehabilitation Research and Medicine
Wright State University Research Center
3171 Research Blvd.
Dayton, OH 45420

Deadline for submission is December 10, or as soon as possible after that.
NACOB (North American Congress on Biomechanics), the combined 16th Annual Meeting of the American Society of Biomechanics and the 7th Biennial Conference of the Canadian Society of Biomechanics, will be held in Chicago, Illinois on 24-28 August 1991.

Abstracts for NACOB are due 3 April 1992.

The Call for Papers and Authors Instructions will be mailed in January.