



International Society of Biomechanics Newsletter

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ISB Officers

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AFFILIATE SOCIETIES OF ISB:

American Society of Biomechanics; British Association of Sport and Exercise Sciences; Bulgarian Society of Biomechanics; Canadian Society of Biomechanics/Société canadienne de biomécanique; Chinese Society of Sports Biomechanics; Comisia de Biomecanica Inginerie si Informatica (Romania); Czech Society of Biomechanics; Formosan Society of Biomechanics; Japanese Society of Biomechanics; Korean Society of Sport Biomechanics; Polish Society of Biomechanics; Russian Society of Biomechanics; Société de biomécanique (France).

**From the Past (Past) President
Guenter Rau, Ph.D.**

“Experience is the sum of all defeats”: This does not only hold for collecting experiences in research but also in organisational issues within ISB. The elections of the ISB Executive Council has traditionally been prepared by the Past President. In this capacity I tried to get the ISB membership more involved in the election process than in the past. To achieve this goal I asked the membership for proposals for nominations, and also I formed a nomination committee. However, only a few proposals by the membership were received, and there were no clear statements by other members endorsing the proposed nominations.

Based on these experiences I will bring this issue to the next council to improve and further develop this intention. Without making the process too complicated it will be necessary to develop a set of rules outlining the procedure how the elections, from proposal and nomination to election, may be designed. The nomination committee will also play a key role in the future because it must continue to have the authority to prepare a ballot sheet e.g. by accepting or excluding proposed candidates in order to have adequate ISB members on the list.

A crucial point is the preparation of a time schedule with response times and deadlines which have to be followed. Then it will be ensured that the candidates can be introduced to the membership at large by short biographic profiles. The interaction between the nomination committee and the potential candidates also has to be considered with some response times.

During the preparation of the present election I have experienced some minor communication problems with my e-mail system, and I can only apologize if somebody was “squeezed” by any miscommunication. In the future, we will identify sensitive steps in the procedure which have to be cross-checked by Fax if the e-mail responses are not completed in the provided time frame. Also air mail takes time around the globe which causes headaches in time-critical scheduling.

Nevertheless, I am very confident that we will improve the whole election process in the future, and I will be happy to share my experiences with the next ISB Council, the President Elect and the Past President. Any ideas and suggestions from the members are welcome - please take an active part in your ISB!

Jim Hay: We missed seeing you in Zurich!

Brian L. Davis

Speaking of Past Presidents, Benno Nigg demonstrated his versatility when he presented a keynote address on behalf of both himself and a former ISB President, Jim Hay. Benno encouraged everyone in the session to drop Jim a line at:

jameshay@enternet.co.nz

Since many ISB members could not make it to Zurich, I thought I'd take this opportunity of listing his email address here.

From a personal standpoint, I met Jim back in 1987 at the ISB Congress in Amsterdam. The theme of his Presidential lecture was to move away from "descriptive biomechanics" and focus more on understanding mechanisms underlying human performance. This ties in with the philosophy of Geoffrey Dyson (after whom the International Society of Biomechanics in Sports has named their most prestigious award, with Jim being the 1999 recipient). Dyson devoted his life to making coaching a science and to exposing the charlatan whose only effective advice was "Do it again, but harder". Jim has used Dyson's philosophy very effectively to improve the quality of research in the field of biomechanics.

After returning from Zurich I was curious as to how many congress participants were either Jim's students or students of his students (although in many respects anyone who has read any of his ten books or more than 150 papers can be a "student" of his approach). Nevertheless, I contacted those that I knew worked with Jim and found over 200 first or second generation students with 35 attending ISB 2001. So Jim, on behalf of all these people and all those that missed seeing you in Zurich, we wish you all the best and look forward to seeing you next time in New Zealand at ISB 2003.

**Minutes of the ISB General Assembly Meeting
ETH Zurich, Switzerland, July 11th, 2001**

1. Welcome:

Kit Vaughan welcomed participants at 12.10pm. Approximately 60 people in attendance.

2. Minutes from ISB General Assembly meeting held in Calgary, August 11, 1999.

Mary Rodgers proposed the acceptance of the Calgary minutes. Guenter Rau seconded the motion. All voted in favor.

3. President's Report.

Kit Vaughan acknowledged the efforts of ISB Council members, and thanked the outgoing members Guenter Rau, Brian Davis, Ton van den Bogert and Stu McGill for serving on council.

With regard to the next host site, Kit Vaughan mentioned that other proposals had been received (a preliminary proposal from the Cleveland Clinic Foundation, USA and a full proposal from a group in Jerusalem, Israel). However council had voted in favor of the University of Otago, Dunedin, New Zealand for ISB 2003.

The ISB has continued to foster links with other societies; The International Society of the Biomechanics of Sports had recently honored Peter Cavanagh with their Dyson Award; Kit Vaughan had been asked to chair a joint ISB/ISEK session at the 2001 ISB congress, there would also likely be an ISB-sponsored session at the next World Congress of Biomechanics meeting; the Taiwanese Society of Biomechanics had asked Kit Vaughan to give a lecture at their meeting; and finally Kit Vaughan, Walter Hertzog and Ton van den Bogert had attended a congress hosted by the Brazilian Society of Biomechanics.

Kit reported on Technical Groups: Computer simulation, 3D Human Movement, and Functional footwear. Each of these had organized successful conferences and the Shoulder Working Group had hosted a tutorial attended by about 45 participants at the Zurich meeting.

The ISB has an archive at Penn State University that had been created largely through the efforts of

Dewey Morehouse. As of 2001, Dr. John Challis will be the new archivist.

Informatics. Kit Vaughan reported that the ISB website averaged 150 visitors/day, Charnwood Dynamics pays \$750 p.a. for advertising, the "Job Market" gets 50 visitors/day, Biomch-L is stable at 4400 subscribers, the "Biomechanics Yellow Pages" is now on a new site. Finally, the host for the ISB website will be moved to:

<http://www.isbweb.org>

There were no questions regarding the President's report.

4. Treasurer's report.

Graeme Wood reported on the ISB finances. In summary, the income and expenditures (in Australian Dollars where 1 AU\$ = 0.52 US\$) were as follows;

Income Statement: 1 Jul 1999 to 30 Jun 2000	
Revenue	172,709
Expenses	163,979
Profit	8,730

Income Statement: 1 Jul 2000 to 30 Jun 2001	
Revenue	174,241
Expenses	170,551
Profit	3,690

The Balance Sheet as of 30 June, 2001 reflected:

Cheque Account (in Australia):	\$AU 62,069
US Currency account:	\$AU 246
Investment Account (Australia)	\$AU 28,220
Sponsorship Account (USA):	\$AU 40,478
Total:	\$AU 131,013

Graeme Wood then called on Dr. Lutz Bauer to give his assessment of the Treasurer's figures. Dr. Bauer stated that (i) both he and Dr. Guy Simoneau had checked the figures for total assets and balance statements and (ii) these were in order.

Fred Yeadon asked if they had actually seen bank statements. This was answered in the affirmative, and members present were invited to view things for themselves after the meeting.

Graeme Wood then proposed the new budget for 2001-2003, with the main issue needing discussion being the fact that the ISB planned to make a loss - primarily in the student education program and in the initiative to assist scientists from developing countries who wished to attend the ISB meeting in New Zealand.

The budget was approved unanimously.

5. Education Report

Mary Rodgers reminded those present that there were three types of grant offered by ISB: dissertation, study abroad, and congress travel. The number of applicants has built up since 1997-8, and 43 applications had been received in 2000-1 cycle, of which 25 were funded. There were five different countries represented in the latest cycle: USA, Netherlands, Australia, Canada and United Kingdom. Students could only be funded once; no more than two successful applicants per institution; and no funding was finalized until student and supervisor were confirmed as ISB members. Finally, Mary Rodgers acknowledged the reviewers who had helped her with the grants program; Kit Vaughan, Gisela Sjogaard, Peter Cavanagh, Philip Requejo.

6. Revisiting the Constitution

Julie Steele stated that she had reviewed the wording of the constitution and had recommendations relating to four areas;

1. Definitions of Honorary and Emeritus Members,
2. Student representation on Council,
3. Duration that non-financial ISB members continue to receive ISB privileges, and
4. Codes of Operation for each Technical Group.

[Note: The wording of the existing and proposed ISB Constitution are included on the next few pages.]

Ron Zernicke suggested clarifying whether Issue 2 would result in the student being a voting member of the ISB Council.

Bob Norman then asked if the length of service for a non-student Council member should be limited to 4 years. Kit Vaughan responded that the Council would look into this. He also mentioned that with

regard to ISB Technical Groups, the goal was to be flexible in terms of how each group chose its officers.

7. Election report.

Kit Vaughan reported that 190 ballots had been received (25% of financial members) for ISB President-elect. The two candidates were Brian Davis and Mary Rodgers, and the latter had received a 15 vote majority. Dr Rodgers would therefore take over from Dr Sandra Olney as ISB President in 2003.

Kit Vaughan introduced the newly elected council;

- G-P Brüggemann (Germany)
- M Bobbert (The Netherlands)
- R Gregor (USA)
- S Fukushima (Japan)
- M Grabiner (USA)
- W Herzog (Canada)
- M Shorten (USA)
- J McNitt-Gray (USA)
- A Stacoff (Switzerland)
- J Steele (Australia)

Kit Vaughan reminded these members that the next Council meeting would be held on 12 July @ 1pm.

8. Other business.

Bob Norman thanked Council members for their efforts.

The meeting was then adjourned at 12.58pm.

Report respectfully submitted by Brian L. Davis.

Falling coconuts can cause injury to the head, back, and shoulders. Since mature coconut palms may have a height of 24 up to 35 meters and an unhusked coconut may weigh 1 to 4 kg, blows to the head can exceed 1 metric ton.

Barss P. Injuries due to falling coconuts. J Trauma 1984 24(11):990-1.

Recommended Changes to the Constitution of the International Society of Biomechanics

At the recent pre-Congress ISB Executive Council meeting and the General Assembly held in Zurich, recommendations pertaining to potential changes to the "Constitution of the International Society of Biomechanics" were presented and discussed. These changes were suggested to enable the inclusion of several recommendations that had been discussed at previous Council and General Assembly meetings.

In making any changes to the constitution, written motions to amend the Constitution must be submitted to the Council and then distributed by a mail ballot to all members for a decision which shall require a simple majority of all ballots returned to the Secretary-General. Notice of the results shall be given to all members, where upon the amendment will become effective (Article 6, Section 6.12).

The four recommendations for changes to the Constitution are outlined below, with a brief explanation relating to the intent of these changes. We encourage you to read the recommended changes and provide any feedback to the Secretary-General by 30 September, 2001. Discussion of the proposed changes is also welcome via biomch-1. The current Constitution can be found on the ISB home-page. Once this feedback has been incorporated into the recommendations, a mail ballot will be conducted to gain the votes of each member in good standing of ISB. The mail ballot will be sent out in early November.

Recommendation 1: Definitions of Honorary and Emeritus Members

To more clearly differentiate between these membership categories, the following changes are recommended to Article 3:

3.1 Honorary members are those restricted number of individuals who have made outstanding contributions to the field of Biomechanics.

3.4 Emeritus members are those individuals who have retired, due to age or illness, from professional employment in Biomechanics, and who have been active members in good standing of the Society for at least ten years.

Recommendation 2: Student Representation on Council

To include a student member on Council to better represent student issues, the following changes are recommended to Article 5: Executive Council:

5.1 A President, President-Elect, Past-President, Council Members representing various disciplines in Biomechanics, and a Student Representative shall constitute The Executive Council. A Treasurer, Secretary General, and Newsletter Editor are appointed officers with approval of the Council.

5.2 The Executive Council, apart from the Student Representative, shall be elected from among the full members by the General Assembly for a term of two years. The General Assembly shall elect the Student Representative from among the student members. Council members may be elected twice, apart from the Student Representative, who will serve a single two-year term.

To broaden the definition of a "student member", the following change is recommended to Article 3: Membership

3.5 Student members shall be either full-time or part-time students in an academic program related to Biomechanics.

Recommendation 3: Duration that non-financial ISB members continue to receive ISB privileges

To reduce the "active" membership period following last dues payments from three to two years, the following changes are recommended to Article 8: Annual Subscription:

8.3 Individual members who fail to remit annual dues for two successive years shall be placed on the inactive list and shall forfeit all privileges of the society.

8.4.1 Members placed on an inactive status for non-payment of dues may be reinstated to full membership upon payment of an amount equivalent to two years of annual dues.

Recommendation 4. Codes of Operation for each Technical Group.

To cater for the varied needs of the differing Technical Groups, to eliminate inconsistencies in the procedures for electing officials for Technical Groups and the mismatch between the constitutions for ISB and the Technical Groups, the following changes are recommended to Article 9: Technical Groups:

9.4 The activities of the Technical Groups shall be administered by an Executive Board. The structure of this Board, how officers are elected, and how the Executive Board operates, will be defined in the Codes of Operation for each Technical Group which will be endorsed by the Executive Council.

Sections 9.5 to 9.8 will be deleted and sections 9.9 to 9.13 will be renumbered as 9.5 to 9.9.

It is noted that the Codes of Operation for each technical group must be endorsed by the Executive Council.

This is your Constitution; please provide constructive feedback to ensure that we have the wording right!

Julie Steele
Secretary-General

In Memoriam: Prof. Adam Morecki.
On the behalf of the Polish Society of Biomechanics it is with deepest sorrow that we have to inform that Professor Adam Morecki (1929-2001) died suddenly of heart infarct 20th May, 2001.

He was known as a meritorious, outstanding teacher of students both at Warsaw University of Technology and at various Polish and foreign universities. For many years he headed the Department of Theory of Machines and Robots at the Faculty of Power and

Aeronautical Engineering. He was a tutor for many generations of engineers and several dozens of Ph.D. students graduated under his supervision. Being an excellent scientist and engineer Professor A. Morecki was one of the architects of the Polish school of theory of machines and mechanisms and a founder of the Polish school of engineering biomechanics and robotics. He published over 300 scientific works, including monographs and handbooks, he created several unique designs and supervised several Polish and international research projects.

Professor Morecki was a member of international scientific boards of institutes, societies and journals, including the International Center for Mechanical Sciences (CISM) in Udine. Serving on different organizations was a vital part of his scientific activity; e.g., he was a Secretary General and then a President of the International Federation for the Theory of Machines and Mechanisms, he founded and was the first President of the Polish Society of Biomechanics. He also served as a President of the Polish Committee for TMM at Polish Academy of Sciences, a President of the Committee of Robotics POLSPAR, and a Vice-President of the Committee for Automatics and Robotics PAS.

His remarkable achievements in the fields of science, education and organization were many times awarded by Polish and foreign authorities and institutions. He bore a title of Honoris Causa Doctor at the University of Mining and Metallurgy in Krakow. Prof. Morecki was a member of the Engineering Academy in Poland. He received a prestigious Engelberger Award in the field of Robotics as well as was decorated with the Commander's and Knight's Crosses of the Order of the Rebirth of Poland as well as with the National Education Medal.

We have lost not only an excellent scientist, but also an inspiring teacher, a respectable Colleague and a warm-hearted Friend. We join Professor Zofia Morecka and her family in sorrow and express our deepest sympathy.

*Board of Directors and Employees
of the Institute of Aeronautics and Applied
Mechanics, Warsaw University of Technology.*

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Engineering
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17 July, 2001

Dear Dr. Rodgers,

I would like to thank the ISB for the generous Congress Travel Grant. I feel very fortunate to have attended the conference in Zurich. I enjoyed hearing about the history of the ISB in Dr. Nelson's Wartenweiler lecture. As an alumni of the University of Waterloo it was very special for me to see Dr. Winter receive the Muybridge Medal. The nine other invited keynote lectures were worth the 8:30 starts and coming in out of the sunshine.

In addition to these eleven talks I listened to approximately one fifth of the 430 other presentations and presented a poster entitled "Kinematics of the upper and lower extremities in three-dimensions during ergometer rowing" in one of the poster sessions. These presentations, especially the five excellent award sessions, have made me feel motivated to return to my computer and continue with my own work. I found the sessions on locomotion and motion capture to have presentations about data collection and error minimisation and the sessions on orthopaedics to have some papers about joint modelling and in vivo force calculation. These were the most relevant to my own doctoral work that will take the kinematics, that I have presented at the ISB conference, and input them into joint models of the metatarsalphalangeal, tibiotalar and tibiofemoral joints. I am partitioning net joint moments into muscle, ligament and joint contact forces. I hope to determine normal forces acting on the body during ergometer rowing and apply this to the development of control systems that will enable spinal cord injured patients to row the ergometer under functional electrical stimulation.

The electronic abstract submission, conference registration, audiovisual presentations and social activities were all extremely well organised. The facilities of the ETH, the gaststätten, kunstgalerien and kirchen of the city of Zurich, and reacquainting with former colleges all added to a wonderful experience.

Sincerely,
Suzanne Halliday

INTERNATIONAL SOCIETY OF BIOMECHANICS AUDITOR'S REPORT

We have examined the Society's financial records for the period July 1, 1999 through June 30, 2001. The total assets as at June 30, 1999, together with the detailed income and expenditure for the 1999/2000 and 2000/2001 financial years agree with current balances shown in the Society's bank accounts.

The profit and loss statements for the 1999/2000 and 2000/2001 periods were examined and found to be consistent with the budgets approved at the General Assembly in Calgary in 1999. Clarification was sought on some matters and the explanations given by the Society's Treasurer were to our satisfaction.

Signed

Guy Simoneau

Appointed Auditors

W. Lutz Bauer

Date: July 11, 2001

ISB Dissertation Award: Report
Kermit G. Davis, Ph.D.
The University of Cincinnati

I would like to first thank the ISB for the opportunity to complete a research project of this magnitude. This opportunity allowed me to complete a comprehensive laboratory study to examine numerous ergonomic and biomechanical issues. The approach was to evaluate the relative contributions of biomechanical and psychosocial workplace stressors as well as individual factors such as gender and personality. In addition two under-investigated factors, placement of the box and lift rate, were evaluated. These two factors pose unique circumstances as they may relate to both the biomechanical as well as the psychosocial environments.

Thirty male and 30 female students volunteered to lift boxes from a conveyor directly in front of them and placed on an asymmetric destination shelf. Two biomechanical workplace stressors were evaluated: weight lifted-6.8 and 11.4 kg and task asymmetry-clockwise and counter-clockwise. One psychosocial workplace stressor was also investigated: mental concentration-none and number identification task. In addition, two complex workplace stressors were evaluated: placement control-general placement and placement within a target and lift rate-2 lifts/min and 8 lifts/min. The impact of several potential modifying factors (gender, personality, and social environment) was also explored.

Not surprising, the workplace stressor that had the largest impact on the biomechanical responses and resulting spinal loads was box weight. Mental concentration demands had a minor affect on sagittal trunk kinematics but interacted with lift rate to produce more trunk motion when lifting. Small increases in compressive forces (1.6%) resulted from the change in trunk kinematics and increases in internal oblique muscle activity. Placing the box within the targeted area was particularly detrimental to the individual, by producing faster motions and more awkward postures, increased their muscle coactivity, and higher spinal loads. Lift rate also influenced the trunk kinematics and muscle activity but only moderate increases were found in spinal loads for

the faster lift rate (about 10 to 15%). Modifying factors such as gender and personality had major roles in impacting how individuals reacted to the workplace stressors. All together, these results provide evidence of the complex relationships that occur between physical and mental aspects of the workplace. Even with the limited exposure levels, the current study suggests the need for future research to account for the interactive nature of the workplace stressors.

This study also provides an indication of the relative contribution of physical and psychosocial workplace stressors for various responses as well as spinal loading. I look forward to disseminating my results in several journals in the very near future as well present the results at ISB 2003.

Congress Travel Grant - report from Rachel Skoss, University of Western Australia

I was the grateful recipient of an ISB travel award, which helped me attend the congress in Zurich. With the Australian dollar being worth the equivalent of two white shells, I was able to fly all the way to Europe on the money, rather than being dumped out in the middle of the Atlantic Ocean and having to swim the rest of the way. While in Zurich, I faced the firing squad for two oral presentations. This work was the culmination of my thesis research, and I received valuable feedback - that no one threw anything at me was taken as a good omen. I also had the opportunity to broaden my horizons. Indeed, at times there were too many parallel sessions to choose from, but there were several highlights for me - particularly the muscle mechanics symposium, and some of the motor control sessions. Seriously, I would like to thank the ISB not only for the travel award, but also for providing an environment where students feel welcome. The ISB congresses create an atmosphere where established researchers are free with their encouragement, advice and support. The insight gained from a chat over a weissbeer with the people we continually reference is worth at least three months of being locked up in a library. I recommend to all students that they should try to attend an ISB conference during their studies, as the experience is invaluable.

Did you know?

Reindeer make a unique "clicking" sound when they walk: It's a tendon in their ankles that rubs against the bone when they take a step. Apparently it helps them keep track of each other when the visibility drops in dismal weather conditions!

Reported by Matthew Reilly in New Jersey's "The Star Ledger", 12/20/99.

Upcoming Meetings, Workshops, Etc.**August**

3rd International Symposium on Progress in Motor Control : From Basic Science to Application. University of Montreal 15-18 August. Contact: Secretariat, Tel: 514.340.2078 or 340.2780, FAX: 514.340.2154, Email levinm@ere.umontreal.ca, <http://ireadapt.qc.ca>

September

Biomechanics of the Lower Limb in Health, Disease and Rehabilitation, 10-12 September 2001, University of Salford, England. Contact: J. Fletcher, University of Salford, Allerton Building A117, Frederick Road, Salford, M6 6PU, United Kingdom, Tel: 44.0161.295.7014 or 2211, Fax: 44.0161.295.2432, Email: j.fletcher@salford.ac.uk, <http://www.healthcare.salford.ac.uk/biomechanics2001>

Biomechanica IV, Davos, Switzerland, 23-25 September, 2001, Contact: <http://www.ao-asif.ch/events/ao/biomechanica/index.shtml>

Movement and Sensation International Symposium

Cairns, Australia
3-6 September 2001
<http://www.cairns2001.unsw.edu.au/>
Secretariat: Ms Mary Sweet Tel: 61 2 9382 2677
FAX: +61 2 9382 2724

The 2nd International Conference on Movement and Health

September 15 - 18, 2001 in Olomouc - Czech Republic. For information:
Conference Secretariat, machacm@ftknw.upol.cz
Tel: 00420 685636015

Fax: 00420 685412899
Web site: www.ftknw.upol.cz/konferen

First International Symposium on Measurement, Analysis and Modeling of Human Functions (ISHF 2001)

Hokkaido University, Sapporo (Japan)
September 21-23, 2001
Information: ISHF2001@ito.dis.titech.ac.jp
or <http://www.ito.dis.titech.ac.jp/ISHF2001>

2001 Simulation in Biomedical Engineering
Minneapolis, Minnesota, USA

September 7, 2001
To register contact D'Ann Fernitz at (248) 208-3309 or at dann.fernitz@mscsoftware.com

More information is available at
<http://msc.visualnastran.com/events/biomed/index.cfm>

October

XIIIth International Biomechanics Seminar,
Wroclaw, Poland, 5-6 October 2001. Contact:
<http://netra.awf.wroc.pl/~as/biosem>

Movement Analysis Instructional Course (satellite event of the ESMAC-SIAMOC 2001 Joint Congress)

Milan, October 9-11th 2001
For more information contact the Organising Secretary, Tel. +39-02.40308305
Fax. +39-02.4048919) or
mi.secretary@mail.cbi.polimi.it
<http://www.cbi.polimi.it/esmac-siamoc-2001/>

The Eighteenth Annual Interpretation of Gait Analysis Data Course.

October 22-25, 2001
Contact: www.sandiegogaitlab.com or call
Motion Analysis Laboratory at Children's Hospital,
San Diego at (858) 576-5807, or e-mail Marilynn
Wyatt at mwyatt@chsd.org.

**The Thirteenth Annual Electromyography:
Fine-wire Technique Course.**

October 19-20, 2001.

Additional information is available at
www.sandiegogaitlab.com or Tel: (858) 966-
5807 or e-mail Janet Buttermore:
jbuttermore@chsd.org

**5th International Symposium Computer
Methods in Biomechanics and Biomedical
Engineering**

ROME, ITALY 31 Oct - 3 Nov, 2001

For more information:

www.uwcm.ac.uk/biorome
or contact John Middleton, Telfax: 02920 682161
email: middletonj2@cardiff.ac.uk

November

5th IFKB-SYMPOSIUM: 'Balance at all times'
8 November 2001, Amsterdam, The Netherlands

More information about the symposium can be
found on <http://www.ifkb.nl/ifkbsymp2001.htm>,

2002

**Seventh Annual Meeting of the Gait and
Clinical Movement Analysis Society**

April 17-20, 2002, Chattanooga, Tennessee, USA.
Contact: Michael W. Whittle, The University of
Tennessee at Chattanooga, Tel: +1-423-755-4046,
Fax: +1-423-785-2215, Email: gait2002@utc.edu,
<http://www.utc.edu/gait2002>

**Fifth Israeli Symposium on Computer-aided
Surgery, Medical Robotics, and Medical
Imaging (ISRACAS 2002)**

May 23, 2002

Tel-Aviv, ISRAEL

For more information contact:

Prof. Leo Joskowicz Tel: +(972)-2-658-6299
FAX: +(972)-2-658-5439 or josko@cs.huji.ac.il
<http://www.cs.huji.ac.il/~josko/isracas2002.html>

Ergonomics Society Annual Conference 2002
Homerton College, Cambridge, UK

Call For Papers. Closing date for receipt of
submissions is 24th August 2001. Contact

c.greenwood@ergonomics.org.uk or
<http://www.ergonomics.org.uk>

**3rd International Workshop on Musculoskeletal
and Neuronal Interactions**, Corfu, Greece, 24-27
May. Contact: M.Katsiri, PO Box 51 081, 145 10
Kifissia, Greece. Tel: 30.1.6280659, Fax:
30.1.8085462, Email: info@ismni.org,
www.ismni.org.

3rd World Congress of Biomechanics, University
of Calgary, Calgary, Alberta, Canada.

Congratulations to ISB 2001 award recipients!

Muybridge Medal: Dr David Winter, University of
Waterloo.

Young Investigator Award (Oral; sponsored by
Elsevier Science and Journal of Biomechanics):
Steven Boyd, Ralph Mueller, Ron Zernicke, ETH
and University of Calgary.

Young Investigator Award (Poster; sponsored by
XVII ISB Congress Organisers): Paul Hodges, A.
Eriksson, D. Shirley, S.C. Gandevia, Universities of
Umea, Sweden and Sydney, Australia.

Novel Foot Biomechanics Award: Sicco Bus,
Qing Yang, J.H. Wang, Michael Smith, Roshna
Wunderlich and Peter Cavanagh, Penn State
University, USA

Clinical Biomechanics Award (Sponsored by
Elsevier Science and Clinical Biomechanics
Journal): B Van Rietbergen, S. Majumdar, D
Newitt, B. McDonald. Eindhoven Univ. of
Technology, University of California San Francisco,
SmithKline Beecham, USA.

Film/VTR award (NAC Inc. and Prof Miyashita):
G. Trewartha, M. R Yeadon, J.P. Knight,
Loughborough University, UK.

Scherb Award: M.R. Torry, MJ Decker, HB Ellis,
JR Steadman. Steadman-Hawkins Sports Medical
Foundation, Vail, USA

**EDITOR'S NOTE (and plagiarism of
previous Editor's Note)**

It is with some trepidation that I have taken on the task of ISB Newsletter editor. My predecessor, Mark Grabiner, has been at the helm of the newsletter for 6 years, and has done an outstanding job. I feel fortunate to have had an office next to his during this time and hear his laughter when someone sent him something amusing to add to the newsletter. Please keep the material coming!

There were many times when I'd be in his company at an ISB meeting and someone would walk up and tell him how much they enjoyed his brand of humor. This is something that I can only strive for.

Usually the Newsletter is published in the spring, summer, fall and winter, although if you are in the Southern Hemisphere, this may be different. There are no deadlines for newsletter material since historically they have never been taken seriously. The content of the Newsletter does not necessarily reflect the philosophy and opinions of the ISB membership. It is likely that the content of the newsletter reflects somebody's philosophy and opinion at some time.

Newsletter items such as Opinions, Affiliate Society News, Laboratory Features, Thesis Abstracts, Reviews of Biomechanics Meetings are desirable and may be considered for publication if there is room. Material may be submitted electronically or on a computer disk as a text-only file, and must be in some form of English. As Mark Grabiner reminded ISB members: "Hard copy submissions of anything are acknowledged telepathically and placed in a recycling bin. Submission is not a guarantee of a timely or accurate appearance in the Newsletter."

Please note: I have been asked to include a "Laboratory Feature" in the next newsletter. Anyone willing to write up a description of their lab's unique qualities?

ISB Membership News - New Members

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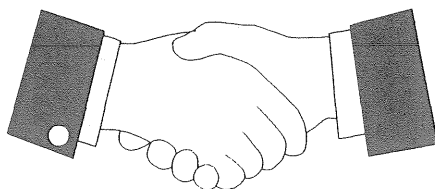
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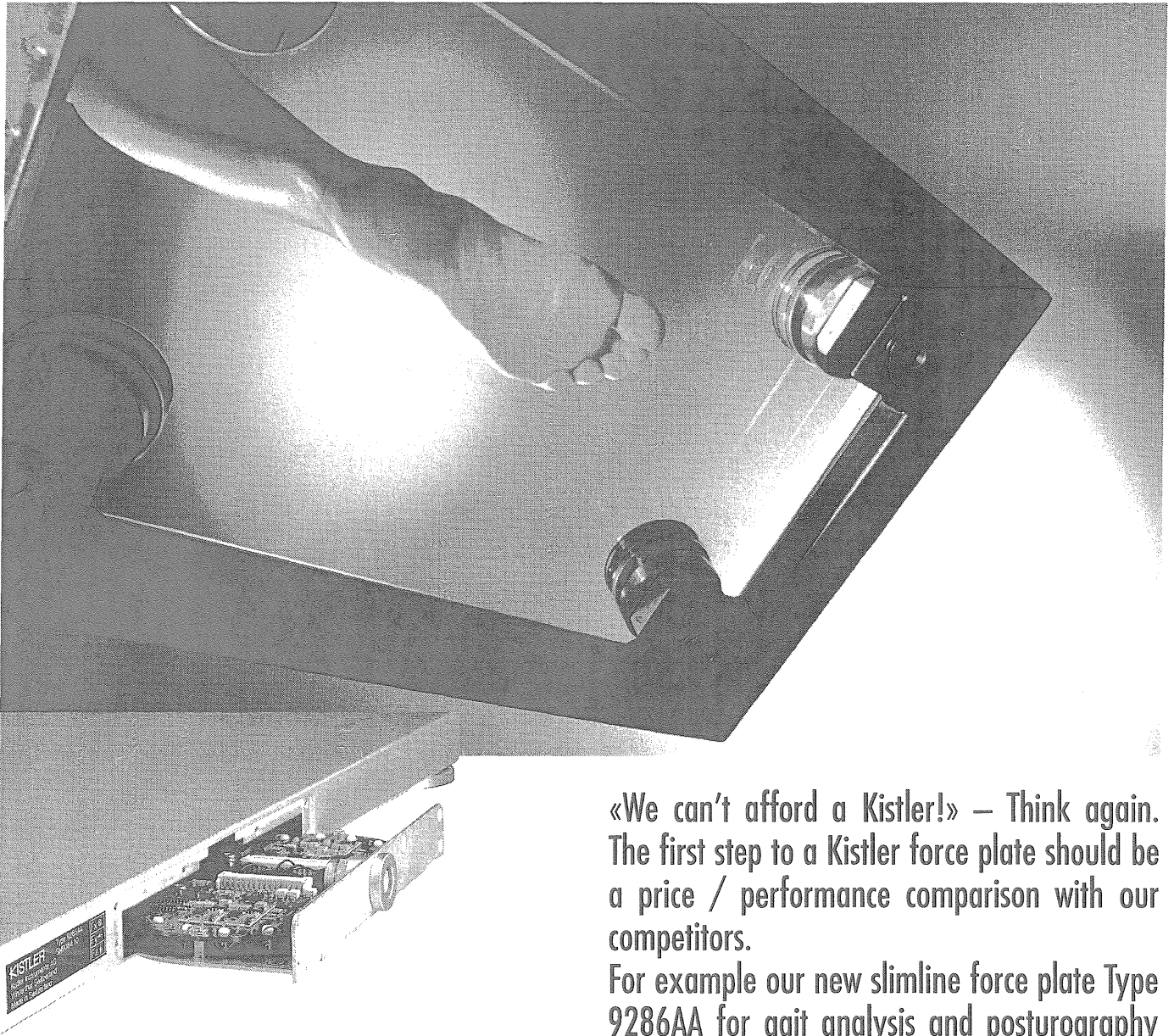
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