

International Society of Biomechanics Newsletter

Spring Issue, n° 14, 1984

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NORMAN ROBERT W.K.
DEPT. OF KINESIOLOGY
UNIVERSITY OF WATERLOO
W A T E R L O O O N T A R I O
C A N A D A N 2 L 3 G 1

Editorial

This Spring Issue n° 14, 1984 should arrive a few weeks earlier in your mailbox than foreseen.

It is in fact a special issue with ISB news as the main feature.

Therefore we draw your attention to the proposed constitution changes explained in this Newsletter.

We would very much appreciate that you send back the Ballot (separately enclosed) for constitutional change of articles 3 and 5.

Jan P. CLARYS



INSTRUCTIONS TO AUTHORS

In order to facilitate the editing of the ISB Newsletter, we would appreciate receiving any material according to the following criteria :

- 1° All material should be typewritten single spaced.
- 2° Typewrite within a frame of 10 cm width.
- 3° The title should be written in CAPITAL LETTERS.
- 4° Subtitles should be written *in italics* and/or underlined.
- 5° Different paragraphs should be separated by double spacing.
- 6° Try to use the whole text-face. There should not be any margins inside the frame.

Tank you in advance for your cooperation.

Jan P. CLARYS

Fak. Geneeskunde & Farmacie
Experimentele Anatomie
Laarbeeklaan 103
B-1090 BRUSSELS (Belgium)

P.S. The ISB Newsletter is published quarterly. Material and articles should reach us prior to February 10 for the Spring issue, May 10 for the Summer issue, August 10 for the Autumn issue and November 10 for the Winter issue.

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Executive Notes

MINUTES OF THE ISB EXECUTIVE COUNCIL MEETING

Waterloo, Canada, August, 7, 1983

Present:

J. Clarys
B. Jonsson
J. Hay
K. Hayes
P. Komi
C. Morehouse
R. Nelson (not item 7)
B. Nigg (from item 4)
J. Paul
D. Winter

Absent:

V. Balsevich
W. Baumann
F. Kazimirez
M. Miyashita

1. Acceptance of the agenda

The agenda was accepted after a few modifications.

2. Minutes of the 1982 Council Meeting

In item 15 the name "Subcommittee on Biomechanics of Sports" was discussed. It was decided to add to the name within brackets "Working Group of Biomechanics of Sports", which was the previous name of the group.

3. President's report (Komi)

The president reported on his activities during the past two years. An important part of his work has been to organize the work within the Council and to delegate different duties to Council members. The major headache for the president during the last year has been to find an organizer for the 10th International Congress of Biomechanics in 1985. The International Society of Biomechanics is now a very strong Society and is also from a scientific point of view regarded as very strong.

4. Treasurer's report (Morehouse)

A brief financial report was given. The finances are good. The current balance (July 15, 1983) is 15595.40 US \$. A tentative budget for 1983-1985 was discussed. This budget was approved with the exception that the advance to the Organizing Committee

for the 1985 ISB Congress was raised to 5000 U.S. \$. It was decided to use some of the excess money on advertising about ISB and trying to attract more members. Since the Council Meeting in Amsterdam 43 new members have joined the Society.

5. Biomechanics in Swimming Conference in Amsterdam (Clarys)

Penn State, Calgary, Rome, Athens and Heidelberg are candidates for arranging the next Conference on Biomechanics in Swimming in 1986. The selection of the organizer of that Conference will be made by the Subcommittee on Biomechanics of Sports (Working Group of Biomechanics of Sports).

6. ISB representation in the Subcommittee of Biomechanics of Sports (Working Group of Biomechanics of Sports)

It is important that this Subcommittee will not be a continuation of the Subcommittee of Biomechanics of Swimming but under another name. It was suggested that the Subcommittee should consist of four representatives from ISB, four representatives from ICSSPE, and a chairman from ISB. At least one of the representatives has to be a council member of ISB. The representatives should represent different sports. Hay, Clarys and Komi were suggested to form a committee selecting the representatives from ISB. According to their suggestion the following members were selected to be ISB representatives in the working group: Robert Gregor, Jan Clarys, Paavo Komi, Minayori Kumamoto and Hans Ekström.

7. Honorary membership

It was decided that R.C. Nelson should become an honorary member of ISB.

8. Future conference philosophy within ISB (Winter)

ISB Congress guidelines were discussed and approved.

9. Confirmation of Umeå as the site for the X International Congress of Biomechanics

The suggestion was approved.

10. XI International Congress of Biomechanics in 1987

It was decided that the deadline for application to organize the 1987 Congress of ISB should be April 1, 1984. The application should be submitted to the President of ISB.

11. Biomechanics proceedings (Morehouse and Winter)

University Park Press is no longer in charge of printing the Biomechanics series. The new Council should see for the contract with the appropriate publisher in order to make sure that the Biomechanics series will continue.

12. ISB Newsletter (Clarys)

It has been possible to publish four issues a year. There is an urgent need for further manuscripts. The distribution of the Newsletters was discussed. It was decided that the distribution of Newsletters to Canada, U.S.A. and Japan should be handled by representatives in the three countries.

13. International Journal of Sport Biomechanics (Nelson)

It was decided that the journal being a publication endorsed by the International Society of Biomechanics through its Subcommittee of Biomechanics of Sports (Working Group of Biomechanics of Sports).

14. Dispersion of duties of the officers

The guidelines for the duties of the Secretary General and the Treasurer should be discussed during the First Council Meeting of the next Council.

15. Updating the accepted change in the constitution regarding membership (Morehouse)

It was decided that the Council should suggest to the members of ISB a constitutional change of Article 3, Part b, 3rd sentence from "Other full members shall be accepted by the Executive Committee of the Society upon written nomination of two members" to "Other full members shall be accepted upon receipt of a completed application form and annual dues for the first year of membership. The treasurer shall notify the Executive Council of new memberships at its annual meetings".

16. Election procedure

It was decided that the ballots for the election of new Councillors should be counted by Nelson, Nigg, Jonsson, Hays and Komi, and that the results shall be reported at the General Assembly Meeting. The results shall also be reported in the Newsletter.

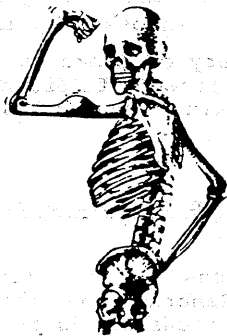
17. Sponsorship of ISB related conferences (Nigg)

The decision about sponsorship shall be made by the President, the President Elect and the Past President provided that the decision is unanimous, otherwise the decision shall be made by the whole Council.

18. Cooperation of ISB with other scientific societies (Hay)

The question of ISB representatives in the United States National Committee on Biomechanics (USNCB) was discussed.

Bengt Jonsson
Secretary General



When individual members have a change in a mailing address, it is important to send the new address to the Treasurer so that you are certain to receive copies of the Newsletter and dues notices.

ISB Treasurer :
C.A. Morehouse
109 Sports Research Bldg.
Penn State University
University Park, PA 16802
U.S.A.

MINUTES OF THE GENERAL ASSEMBLY MEETING OF ISB

Waterloo, Canada, August, 11, 1983

The General Assembly Meeting was attended by a good 100 persons, 57 of whom signed the list of attendance.

1. President's report. The President of ISB, Paavo Komi, opened the General Assembly Meeting. The President's address included a brief report on the activities of ISB for the period 1981-1983. The Council has been efficient. An important task has been to structure the organization within the Society and the dispersion of duties among the council members. The Society has worked out guidelines for ISB Conference policy, proceedings, Newsletters, balance representation and honorary membership. The next Congress of ISB will be held in Umeå in 1985. The deadline for application to organize the XI Congress of ISB in 1987 is April 1, 1984. The Subcommittee of Biomechanics of Swimming has been changed into a Subcommittee of Biomechanics of Sports (Working Group of Biomechanics of Sports) in cooperation with ICSPE (chairman selected by ISB, 4 members from ISB, 4 members from ICSPE). The International Journal of Biomechanics is a journal endorsed by ISB. The Newsletter is published with 4 issues a year. ISB has grown to a strong organization with very strong finances.

2. Treasurers report. The Treasurer of ISB, Chauncey Morehouse gave a brief report on the financial status of the ISB. This report was followed by a discussion of how to spend the excess of money. A tentative budget was presented and approved.

3. Budget Audit Report. The Budget Audit Report from Peter Storthart and Erich Schneider was presented by the latter. The report was "The undersigned members of the ISB, Peter Storthart and Erich Schneider, have examined the financial records of the International Society of Biomechanics (ISB) for the period of January 1, 1982 - July 15, 1983, and found them to be accurate and up to date." The report was approved.

4. Membership report. The Society has 495 active members and another 45 new members which have joined the Society during the Congress. This means that ISB now has 540 active members.
5. Proposed constitutional change. A proposed constitutional change regarding acceptance of new members was discussed. The proposed change will be subject to voting by ballots distributed to all members of ISB.
6. Election results for 1983. The results of the election of new councillors were presented by R. Nelson. The following were elected
 President elect: J. Hay
 Councillors: V. Balsevich
 W. Bauer
 J. Clarys
 D. Grieve
 M. Miyashita
 C. Morehouse
 R. Norman
 J. Paul
 D. Winter
 G. Wood
7. X International Congress of Biomechanics in Umeå 1985. A brief report on the next ISB Congress was given by the President of the Congress, Bengt Jonsson.
8. European Society of Biomechanics Meeting. The meeting was announced by Erich Schneider.
9. Open discussion. There was no discussion.
10. Adjournment. The meeting was adjourned.

Bengt Jonsson
 Secretary General

COMMERCIAL ADVERTISEMENTS

The Newsletter is open for commercial publicity at

100 US dollar per full page

50 US dollar per half page

25 US dollar per quarter page

All publicity will be advertised in the 4 issues.

SUGGESTED CONSTITUTIONAL CHANGE
 REGARDING ACCEPTANCE OF NEW MEMBERS

Article 3 of the Constitution of ISB deals with the Membership and reads at present as follows:

"The Society shall consist of three categories of members:

- a. Honorary members who shall be a restricted number of individuals with particular merit in the development of biomechanics.
- b. Charter and full members who shall be individuals with a professional scientific interest in biomechanics.
 - Charter members will be recorded as those who were included in the first list of full members by the ad hoc organizing committee.
 - Other full members shall be accepted by the Executive Council of the Society upon written nomination of 2 members.
- c. Collective members who shall be national associations on biomechanics or related organizations on biomechanics or related organizations with approved and effective by-laws.

The use of membership for any kind of political, sales and Public Relations promotion is prohibited."

The Council of ISB has decided to suggest that the second sentence of Part b of article 3 of the ISB Constitution shall be changed to:

- Other full members shall be accepted upon receipt of a completed application form and annual dues for the first year of membership. The Treasurer shall notify the Executive Council of new memberships at its annual meeting.

As a consequence of the suggested change Item 1 under Article 5 has to be removed. That Item states that "The Executive Council shall approve and grant all individual membership applications".

The rationale for the suggested change is that under the current policy, some individuals fail to join the Society because they do not know two ISB members personally. In fact, on many occasions the signature of the Treasurer is needed to validate a membership application.

Since the primary purpose of the Society is to promote biomechanics, it seems shortsighted to eliminate individuals who might desire to become members but are not well acquainted with current members to request a signature of endorsement. This does occur

rather frequently in countries where there are only one or two ISB members.

If the payment of the first year's annual dues accompanies the completed application form, new members will normally receive the next issue of the ISB Newsletter. This should help to stimulate the interest of new members.

Finally, under the current system, several individuals have forwarded completed application forms but had never paid any dues to the Society. It is assumed that this occurred because of the long interval between submitting an application and official notification of acceptance into membership.

MOTIONS TO AMEND THE CONSTITUTION
SHALL BE DISTRIBUTED BY A MAIL BALLOT
TO ALL MEMBERS FOR DECISION

According to Article 6, Part 3, Item 5 of the Constitution of ISB "Written motions to amend the constitution shall be submitted to the Council and distributed by a mail ballot to all members for decision which shall require a simple majority of all ballots returned to the secretary. Notice of the results shall be given to all members, where upon the amendment will become effective."

This information in the ISB Newsletter is to be regarded as the distribution of the suggested constitutional change to all members of ISB. No other way of distribution will be used.

All members of ISB are hereby invited to complete the enclosed ballot and return it to the Secretary General of ISB:

Bengt Jonsson
National Board of Occupational
Safety and Health
Box 6104
S-900 06 UMEÅ
Sweden



MINUTES OF THE ISB EXECUTIVE COUNCIL
MEETING

Waterloo, Canada, August, 12, 1983

Present:
V. Balsevich
W. Bauer
J. Clarys
J. Hay
B. Jonsson
M. Miyashita
C. Morehouse
B. Nigg
R. Norman
J. Paul
D. Winter
D. Wood

Absent:
D. Grieve
P. Komi

1. Opening of the meeting

The new president of ISB, Benno Nigg, opened the council meeting.

2. Introduction of new council members

The new council members (Bauer, Norman and Wood) introduced themselves. The fourth new council member, Don Grieve, was not present at the meeting.

3. Appointing Secretary General and Treasurer

It was approved that B. Jonsson should serve as the Secretary General and C. Morehouse as the Treasurer of ISB for the period 1983-85.

4. Administrative projects for the coming two years

Some plans and ideas for the coming two years were discussed:

- The duties of the Secretary General, the treasurer and the Newsletter Editor should be described.
- A plan over the ISB organization including its subcommittees should be made up.
- Membership certificates should be considered.

5. Improvement of quality

It is important that the efforts to furthermore improve the quality within ISB continues. A working group for this question should be established.

6. ISB Conference in Umeå 1985

A short report on the ISB Conference in Umeå 1985 was given. The problem of printing the proceedings will be worked out by Nigg, Morehouse and Jonsson.

7. Constitutional change

The proposed constitutional change regarding acceptance of new members of the Society was discussed. It was decided that the proposed constitutional change should be prepared for voting among the membership.

8. ISB Conference in 1987

The proposals to arrange the Official Congress of ISB 1987 should be sent to the President of the Society no later than April 1st, 1984.

9. ISB Council Meeting in 1984

It was decided that the next Council Meeting of ISB shall be held in Davos, September 22-23, 1984, prior to the Fourth Meeting of the European Society of Biomechanics.

Bengt Jonsson
Secretary General

CALL FOR SPONSORS OF THE
XI INTERNATIONAL CONGRESS OF
BIOMECHANICS IN 1987

Proposals to sponsor the XI International Congress of Biomechanics in 1987 should be sent to the President of ISB, Benno Nigg, before May 1, 1984.

Guidelines for preparing the proposal are presented under separate heading in this Newsletter.

The Proposals are to be sent to the following address:

Benno M. Nigg, Dr. sc. nat.
Professor of Biomechanics
Biomechanics Laboratory
University of Calgary
2500 University Drive N.W.
Calgary, Alberta, T2N 1N4
Canada

GUIDELINES FOR PREPARING A PROPOSAL TO SPONSOR INTERNATIONAL CONGRESSES ON BIOMECHANICS

The Council of the International Society of Biomechanics is responsible for selecting the site for the biennial International Congress of the Society and for providing guidance and assistance to the Organizing Committee. Persons or groups interested in sponsoring an International Congress on Biomechanics should prepare and submit a formal proposal. Included in the proposal should be detailed information about the following aspects.

1. Research interests and activities of the proposed organizer(s). Include a description of your institution or department, and of the principal areas of research. Explain why you desire to organize the Congress.
2. Proposed dates.
3. Sources of financial support such as government, university, institute, industry, sports organizations, etc. If possible enclose a letter of support from Department Chairman, Institute Director, President of the University or a similar official.
4. Availability of organizational personnel such as secretary, housing coordinator, business manager, etc.
5. Possible sponsorship by professional organizations.
6. Financial arrangements. Estimated Congress fee and activities to be covered by this fee.
7. Facilities. Provide details of the following:
 - a. Housing. Type of accommodation, proximity to Congress meetings and approximate cost.
 - b. Meals. Location and cost.
 - c. Meeting rooms. Number of meeting rooms available for the Congress, audio-visual systems, capacity of rooms, etc.
 - d. Recreational facilities available to participants. Sport fields, swimming pool, running track, exercise room, gymnasias, etc.
 - e. Book and equipment exhibit area(s). Possibilities for book and equipment exhibits.
 - f. Research laboratories, planned tours, demonstrations, etc.

8. Travel arrangements. Air, train, bus, boat, etc. Provision for travel assistance to participants during the Congress.
9. Plans for promoting and advertising the Congress.
10. Plans for editing manuscripts and for publication of the proceedings in English.
11. Historical and cultural activities available to participants.
12. Possible activities to be included in Accompanying person's Program.
13. Normal climate in the area for the period of the proposed Congress.

Two copies of the proposal should be submitted to the President of the International Society of Biomechanics. Also include any descriptive brochures and information material which will be useful.

The deadline for the proposal is April 1st three years in advance of the proposed Congress.

Your proposal will be reviewed and compared with other proposals by members of the Council of ISB. The final decision will be made by the Council of ISB during the annual meeting three years in advance of the time of the proposed Congress.



SCIENTIFIC ADVERTISEMENTS

On request of ISB members and on condition that there is no relation with a commercial circuit, all scientific advertisements will be published free of charge.

**Human Kinetics Publishers
is pleased to announce
a new journal.**

INTERNATIONAL JOURNAL OF SPORT BIOMECHANICS

Editor

Richard C. Nelson, Ph.D.
The Pennsylvania State University

IJSB Call for Papers

Individuals are encouraged to submit papers to the Editor immediately. The first issue of the *Journal* will be released at the Olympic Scientific Congress in Eugene, Oregon, July 1984. Submit papers to the Editor: Richard C. Nelson, Ph.D., IJSB, Biomechanics Laboratory, The Pennsylvania State University, University Park, PA 16802.

IJSB Author Guidelines

Style

The American Psychological Association Style Manual is the official reference for all questions of style. (See the 1974 *Publication Manual of the American Psychological Association* [2nd ed.] and the APA Publication Manual Change Sheet 2 [June 1977] on *Guidelines for Nonsexist Language*.) This style is used in *Biomechanics VIII* and in most behavioral science publications. If authors lack access to these sources, write to the Editor for an author style guide.

Article Submission

Submit a clean original and two copies of the paper. All papers must be in English with a 75-100 word abstract. Manuscripts should not exceed 20 pages, typed doublespaced, with 25 lines per page. This 20-page limit applies to the complete manuscript, including text, illustrations, tables, photographs, and references.

The manuscript should be typed on 8.5 × 11 in. (21.5 × 27.9 cm) white, unlined paper. Only one side of the paper should be used, leaving 1.5 in. (4 cm) margins on all sides. Authors are encouraged to have their manuscript typed using one of the six following type faces: Letter Gothic 12, Prestige Elite 12, OCR B, Courier 12 & 72, Pica 10. These faces can be optically scanned, eliminating the need to re-keyboard the text for editing and typesetting.

Illustrations

Illustrations should be functional, and none should repeat material presented in tables or text. All illustrations must be cited in the text and the approximate placement of each in the text must be indicated. All figures must be professionally prepared and camera-ready; freehand and typewritten lettering will not be accepted. Photographs must have a glossy finish with sharp contrast between black and white areas. Color photographs are not accepted.

Human Kinetics Publishers, Inc.



Box 5076, Champaign, IL 61820

Congress Announcement

Official Congress of the INTERNATIONAL SOCIETY OF BIOMECHANICS

ISB



X International Congress of Biomechanics June 15-20th, 1985 Umeå, Sweden

X International Congress of Biomechanics

will be held in Umeå, Sweden, June 15-20th, 1985, hosted by the Research Department of the Swedish National Board of Occupational Safety and Health.

Organizing Committee

Bengt Jonsson, Congress Chairman
Mats Hagberg, Congress Vice Chairman
Gudrun Hedberg, Congress Vice Chairman
Inga-Märিত Hagner, Congress Vice Chairman
Kjell Niemi, Congress Secretary

Congress Secretariat:

X International Congress of Biomechanics
Work Physiology Division
National Board of Occupational Safety and Health
Box 6104
S-900 06 Umeå
Sweden

Telephone: (46-90) 165060

The International Society of Biomechanics Founded August 30, 1973

The purpose of the International Society of Biomechanics is to promote and stimulate the development of biomechanics at the international level. Its membership includes scientists from a variety of disciplines including anatomy, physiology, engineering, orthopaedics, rehabilitation medicine, sport science, ergonomics, electrophysiological kinesiology and others. The Society holds an official International Congress every two years. In previous years this has been held in Pennsylvania, Jyväskylä, Copenhagen, Warsaw, Nagoya and Waterloo. The first three Seminars on Biomechanics were held in Zurich, Eindhoven and Rome.

Topics

The aim of the Congress is to report research in the area of biomechanics of human movement. The Congress will include invited lectures and free communications (oral and poster). Papers are invited in the following areas:

- Basic Research in Biomechanics
- Occupational Biomechanics
- Orthopaedic Biomechanics
- Rehabilitation Biomechanics
- Sports Biomechanics
- Electromyography and Neuromuscular Control
- Instrumentation and Methodology

Official Language

The Official Language of the Congress is English.

For preliminary registration
Please cut, complete and return the form below as soon as possible

I am interested in participating in the X International Congress of Biomechanics in Umeå, Sweden, June 15-20th, 1985. Please include me on your mailing list for future announcements.

(Please print in block letters)

Name: _____

Affiliation: _____

Mailing Address: _____

Telephone: _____

Please indicate if you intend to present a paper No Yes

Intended title: _____

I am an ISB member

I want to become an ISB member

Deadlines

- | | |
|--------------------|-----------------------------------|
| December 1st, 1985 | - Receipt of Abstracts |
| March 1st, 1985 | - Notification of Accepted Papers |
| April 15th, 1985 | - Receipt of Manuscripts |
| April 15th, 1985 | - Late Registration Starts |

Publication of Proceedings

Selected presented papers will be published in Biomechanics X. Author's kits and manuscript specifications will accompany notice of acceptance of abstracts. Manuscripts will be in English.



CALL FOR PAPERS

We would appreciate if I.S.B. members could participate more active in this Newsletter. Please send us material: short papers, letters to the editor, laboratory features, ... etc.

**Fourth Meeting
of
the European Society of Biomechanics**

in Collaboration with
the European Society for Biomaterials

September 24 – 26, 1984

Davos, Switzerland

**SECOND ANNOUNCEMENT
AND
CALL FOR PAPERS**

GENERAL INFORMATION

The purpose of the meeting is to bring together scientists of various disciplines, members and non-members, interested in all fields of biomechanical research or its application, to provide educational opportunities, to review the present state of knowledge, to promote further research and enhance collaborative endeavours.

The official conference language is English.

The scientific program will cover all areas of research, such as

- Orthopaedic Biomechanics
- Cardiovascular and Respiratory Biomechanics
- Dental Biomechanics
- Sports Biomechanics
- Impact Biomechanics
- Dynamics of the Musculoskeletal System
- Rehabilitation Biomechanics
- Biomaterials
- Biomechanics of Hard and Soft Tissues
- Methodology in Biomechanical Research
- General Topics

as well as the special topics

- Mechano-Biology at Interfaces
- Implant Related Bone Porosis
- Image Analysis

The educational program will include the following pre-courses

Basic Biomechanics of the Musculoskeletal System

by R. Huiskes, University of Nijmegen, The Netherlands
and A. Capozzo, University of Rome, Italy

Biomechanics Applied to Fracture Treatment

by S.L. Woo, University of California San Diego, La Jolla, CA, USA and S.M. Perren, Swiss Research Institute, Davos, Switzerland

Biomechanics Applied to Prosthetic Joint Replacement
by W.C. Hayes, Beth Israel Hospital and Harvard Medical School, Boston, MA, USA

Cardiovascular Mechanics and Ultrasonic Measurement
by P.F. Niederer and M. Casty, University and Swiss Federal Institute of Technology, Zurich, Switzerland

The following individuals will present invited lectures:

Cardiovascular Biomechanics

M. Anliker, University and Swiss Federal Institute of Technology, Zurich, Switzerland

Pressure Distribution in Human Locomotion

P.R. Cavanagh, Penn State University, Univ. Park, PA, USA

Dynamics of the Musculoskeletal System

H. Hatze, University of Vienna, Austria

Issues and Trends in Sports Biomechanics

J.G. Hay, University of Iowa, Iowa City, IA, USA

Management of Biomechanics Research

W.C. Hayes, Beth Israel Hospital and Harvard Medical School, Boston, MA, USA

Clinical Biomechanics as Related to Human Spine

A.L. Nachemson, University of Göteborg, Sweden

Periodontal Biomechanics

D.C. Picton, University College Hospital, London, UK

Muscular Activity and Surface EMG

G. Rau, Technische Hochschule Aachen, Germany

Homeostatic Responsive of Cortical Bone, Tendon and Ligament

S.L. Woo, Univ. of California San Diego, La Jolla, CA, USA

Biomaterials, Title to be announced

D. Williams, University of Liverpool, UK

CALL FOR PAPERS

Participants of the conference will have the opportunity to present their work during the conference in three categories of Biomechanics and Biomaterials Research:

1. Original scientific report
2. Scientific report with computer demonstration
3. Work in progress

Papers in the first category, covering any of the above mentioned topics, will be accepted in oral (max. 15 min.) or in poster sessions. Papers in the second category, meant to be a combination of a project description and a demonstration of the computer hard- and software used, can be presented in poster form only and include sufficient space for the demonstration. Papers in the third category, featuring outlines of scientific projects or a combination of projects, can be presented in poster form only. Poster space in all categories is 1 m (width) by 2 m (height), table space for computer demonstration is 1 m by 1 m, an AC outlet will be provided.

Authors wishing to submit for the first or second category must send a one-page abstract plus some information detailing the hardware to be demonstrated (second category only) to the Conference Chairman, not later than February 15, 1984. The Conference Committee will try to provide computer systems from local companies upon request. The abstract must be typed on special abstract forms, that will be sent on request by the Conference Secretariat along with the Author's Guidelines.

Authors or institutions wishing to contribute to the third category should notify the Conference Chairman of the title of their poster on a form, that will be sent on request by the Conference Secretariat. No abstract is necessary in this case. Deadline for the submission of these forms is February 15, 1984. Contributions in this category are limited to 3 posters per institution.

All contributions will be reviewed and selected by the Conference Committee, assisted by the Program Advisory Board and the Council of the ESB. Authors will be notified of the committee's decision after April 15, 1984.

PUBLICATION

At the time of conference, all accepted abstracts will be available for the participants. A separate abstract of these papers will be published in the Journal of Biomechanics after the conference. The invited lectures and selected contributions will be published in full length after the conference by Martinus Nijhoff Publisher B.V. as Volume 2 of the series «Biomechanics: Principles and Applications». Authors of all accepted papers will be invited to submit a manuscript for this book not later than September 1, 1984. Contributions in category 3 will be mentioned by title in the abstract and conference books.

TIME SCHEDULE

February 15, 1984	Deadline for submission of abstracts (Cat. 1 and 2) and notification forms (Cat. 3)
April 15, 1984	Letter of acceptance, receipt of author's guidelines.
May 1, 1984	Deadline for early registration
July 1, 1984	Deadline for registration
September 1, 1984	Deadline for submission of manuscripts
September 23, 1984	PRECOURSES
Sept. 24-26, 1984	CONFERENCE
June, 1985	Conference Book published Abstracts in Journal of Biomechanics published

EXHIBITION

An exhibition displaying scientific equipment, computers, books and related objects will be organized.

SOCIAL PROGRAM

A social program for participants as well as accompanying persons, featuring the highlights of Swiss scenery, culture and gourmandise, has been prepared:

- Hiking in the Swiss National Park
- Visit of local and art museums
- Visit of Alpine Gardens
- Swiss Farmer's Buffet

After the conference, a visit of the different Swiss Biomechanics Research Institutes may be organized.

REGISTRATION FEES

	Congress	Pre-course
ESB Members	SFr. 220.-	SFr. 60.-
Non-Members	SFr. 260.-	SFr. 80.-
Students	SFr. 30.-*	SFr. 10.-*

* Does not include Abstract Book and Buffet

Buffet for accompanying persons SFr. 60.-
Early registration = 20% discount (excl. Buffet)

CONFERENCE SECRETARIAT

Laboratory for Experimental Surgery
Attn.: Miss Vreni Geret
CH-7270 Davos-Platz/Switzerland
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Acct. No. 464.421-01 «ESB Conference 1984»

6th CONGRESS OF INTERNATIONAL SOCIETY OF ELECTROPHYSIOLOGICAL KINESIOLOGY

第6回国際電気生理動作学会

AUGUST 26-29, 1985, TOKYO



CONGRESS OF

isek

Congress Chairman's WELCOME

The 6th Congress of International Society of Electrophysiological Kinesiology is to be held at the Nippon Press Center Hall, Tokyo on August 26 through 29, 1985.

The Congress will be a large-scale scientific meeting mainly aiming at research of Kinesiology from the standpoint of fast growing electro physiological kinesiology. Since the 1st Meeting held in Montreal, Canada in 1968, the congresses of Electrophysiological Kinesiology have contributed internationally to the advancement of this field of science. Moreover, it is my pleasure to inform you that, thanks to the members. The Far East meeting held in Tokyo, Japan in September 1981 was concluded very successfully.

Since Electrophysiological Kinesiology is covered by a wide range of scientific fields, its research scientists are from various fields such as medicine, engineering, electricity, physiology, biology, etc. There are many subjects to be discussed; for example, the theory, principle of each apparatus and its operational method, evaluation of analyzed results, clinical application, etc. I believe that this congress will provide the research scientists meeting under the same roof with important and significant opportunities to exchange their views on the aforementioned subjects.

I sincerely hope that many research scientists from many parts of the world will participate in this congress to make it successful.

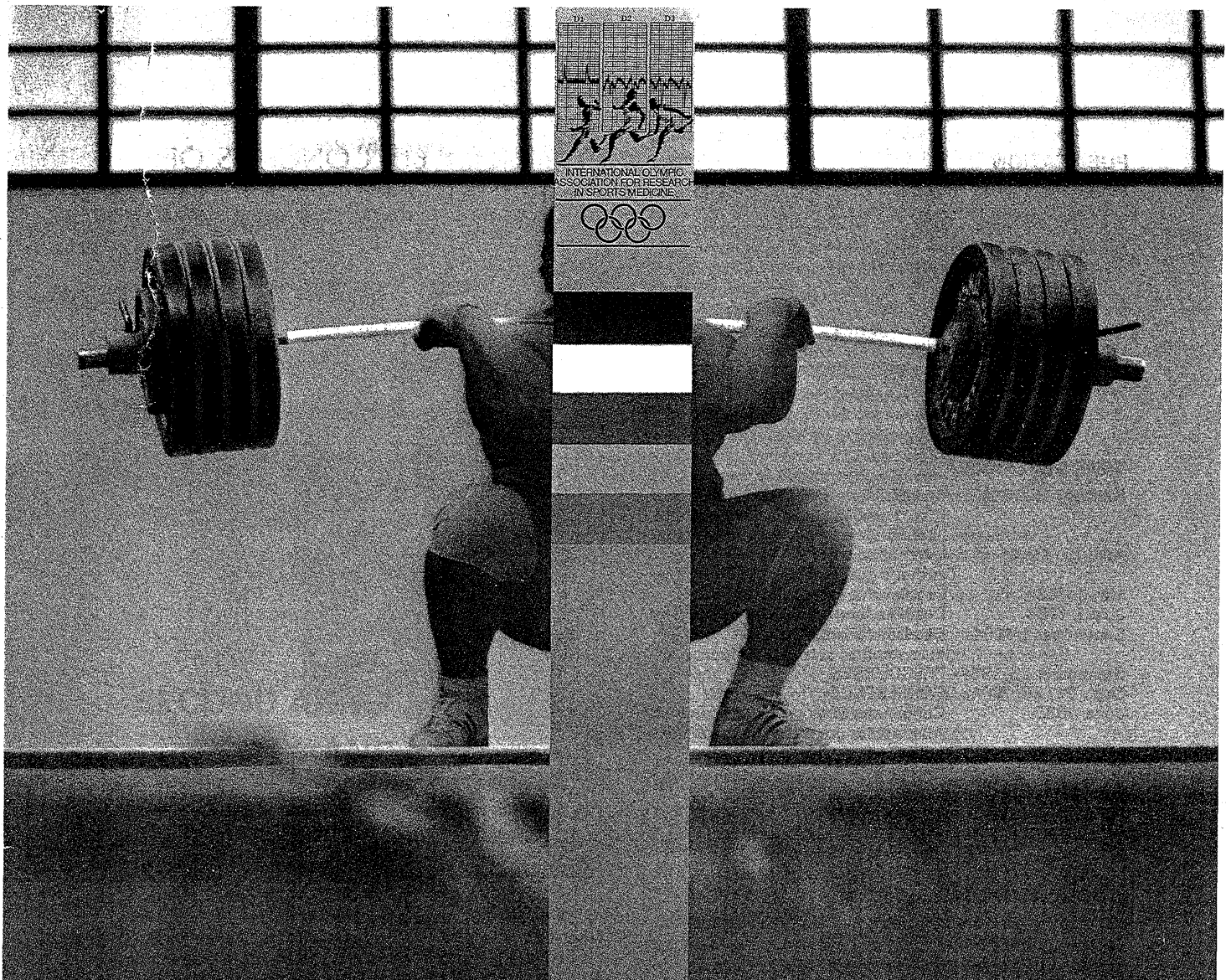
Tadaatsu Ito

Tadaatsu Ito, MD
Congress Chairman

SECRETARIAT

6th CONGRESS OF ISEK

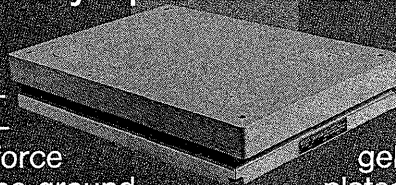
c/o Japan Convention Services, Inc.
Nippon Press Center Bldg.
2-2-1, Uchisaiwai-cho, Chiyoda-ku,
Tokyo 100, Japan



forces in
olympic competition recorded for the first time during the
1984 Olympics in Los Angeles

KISTLER force plates measure not only the 3 components (vertical and 2 directions horizontal) of a force exerted by an athlete on the ground but allow to determine the location of the point of force application as well as torque loading of the leg. These force plates use quartz as ultra stable sensing elements and more than 400 units are used at leading institutions in over 32 countries around the world.

The International Olympic Association for Research in Sports Medicine has now



selected KISTLER instruments for use at the 1984 Olympic Games in Los Angeles. A set of special force plates will be installed under the platform for weightlifting and the forces recorded during competition. For the first time in the history of sports-biomechanics such force recordings will become available for scientific analysis.

Besides weightlifting KISTLER force plates for other disciplines are also under consideration.

Piezo-Instrumentation

KISTLER

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Eulachstrasse 22
Phone (052) 83 11 11, Telex 76 458

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