



THE EUROPEAN SOCIETY OF BIOMECHANICS

NEWS LETTER, MAY 1982

Editorial

The European Society of Biomechanics is growing fast. The three general meetings held in Brussels (1978), Strasbourg (1979), and Nijmegen (1982) respectively, have helped us in expanding. We now have almost 170 members in 14 countries. It was decided at the general assembly in Strasbourg to have general scientific meetings biannually and I think that was a wise decision, in view of the slow pace of scientific research. Nevertheless, it was also felt that we should communicate between meetings. Besides getting together at other than general meetings, that may be sponsored by the Society, this purpose can be served by a Newsletter that we plan to publish twice each year.

In the Newsletter we will publish information from the the Council, and any other matter that the members wish to communicate, scientific or other, and information from outside that may be of interest to the members of the Society.

If you have such information for the next Newsletter, please send it to the Secretary General prior to September 1982.

R. Huiskes, Secretary General

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1. Report to be presented by the President of the European Society of Biomechanics at the Third Meeting to be held at Nijmegen, 21 - 23 January 1982

The Second Meeting of the European Society of Biomechanics was held at Strasbourg, 13 - 15 September 1979, in the University of Strasbourg in conjunction with the First Symposium of the G.E.B.O.A.S. under the patronage of the general assembly of the Council of Europe. The organising committee are to be congratulated on the arrangements which they made. The Meeting was well attended but unfortunately, problems have arisen with the publication of the proceedings. A general assembly of the European Society of Biomechanics was held during the meeting on 13 September 1979. There were discussions concerning certain aspects of the articles of association and progress continues towards their registration in Strasbourg. It was proposed that the next meeting of the general assembly be held during the Third Meeting of the European Society of Biomechanics to be held in Nijmegen, 21 - 23 January 1982.

In view of the overlap of interest, the time required and the cost of organising international meetings, it was proposed in Strasbourg that steps should be taken to investigate the possibility of an association of European Societies concerned with Biomechanics, Biomaterials, Artificial Organs and Related Activities. It was hoped that the European Association would be associated with and be assisted by the Council of Europe.

On 14 November 1979, a meeting was organised by the Council of Europe in Strasbourg and represented by Y. Coekelenberg. It was attended by the European Society for Artificial Organs, J. Belenger, the European Society for Biomaterials, the late J. Leray, F. Burny, the European Society for Biomechanics, J.T. Scales, F. Burny.

It was made clear at this meeting that if the Council of Europe were to accord recognition to the European Societies which attended and other Societies in similar fields, then they could only consider doing so, providing there was one body to represent the organisations with whom the Council of Europe could consult on matters of mutual interest. It was agreed by all present at the meeting that a suitable title for such a body should be the European Liaison Committee for Biomedical Engineering. The aims of the Liaison Committee would be to be a link between the Council of Europe and affiliated Societies, to coordinate European and International Meetings, to organise joint meetings of the different societies, to improve communication and cooperation between the different Societies affiliated and to be a channel of communication with other National or International Societies.

To further this aim, discussions have taken place with various interested parties to see whether progress can be made to establish such an organisation. A letter received by our President from Dr. Ducheyne, Secretary of the European Society of Biomaterials in June 1981, expressed the view that one step towards establishing links with the European Society of Biomaterials, which I believe are essential for both societies because of the considerable overlap of their

interests and activities, is for the two societies to co-sponsor the Fourth European Conference of Biomaterials to be held at Leuven, 31 August - 2 September 1983. If this were to be agreed, the following conference could be co-sponsored by the European Society of Biomechanics. It is appreciated that some members of both societies may wish to maintain their society's independence. However, I believe that in the time ahead there are considerable benefits to be derived by the association of societies with common interests. The three societies which met at Strasbourg have a major interest in the better understanding of biological functions, the prevention of injury and disease and improvements in diagnosis and treatment. A further advantage in the long term is, I believe, the help which might be expected from the Council of Europe in arranging meetings and achieving many of our aims. This is an important matter which must be fully discussed at the General Assembly in January 1982.

Meetings of Council have been held in London, 22 March 1980, at Eindhoven, 8 November 1980, and Brussels, 26 September 1981. Members of your Council have been active on the affairs of the society since the last General Assembly.

I would particularly like to thank on your behalf Dr. Rik Huiskes and his colleagues in Nijmegen who have devoted so much time and effort over the months organising so efficiently the Third Meeting of the European Society of Biomechanics. The Secretary and Treasurer have continued in their ways to look after the affairs and in particular the finances of the society in a satisfactory way. They will be presenting their reports as well as the Chairman of the Membership Committee and the Editorial Board.

The European Society was founded in May 1976 in Brussels. I believe that is now a well established society and will go from strength to strength guided by the Council - from which I now retire, and with the support of an increasing membership on which the success of every society must depend. I would like to thank all the Members of the Council and the Membership for their tolerance and support during my terms of office.

John T. Scales

December 1981

2. General Information from the Society Council

A number of changes in the Society Council have gone into effect after the General Assembly during the Nijmegen Meeting. J.T. Scales, P.M. Calderale, J. Jaeger, and D. Quemada have resigned. We are grateful for the efforts of these members on behalf of the Society. The retiring (and first) President of the Society, Professor Scales, was elected to honorary membership, together with the extinguished member, professor A. Ascenzi. D.H. van Campen, A. Cappozzo, D. Merckx, and B. Moyon were elected to the Council. The new structure of the Council is presented in the next paragraph.

It was decided that the 4th General Meeting will be held in Davos, chaired by S. Perren. The provisional date of this meeting will be in September 1984. Next year, 1983, the Society will join the European Society of Biomaterials in a combined scientific meeting in Leuven, Belgium. Details are given in paragraph 10.

The General Assembly in Nijmegen was attended by 34 members. Other important business discussed concerned the annual dues, that will remain at \$ 40.=, including the (obligated) subscription to the J.Biomechanics. Problems that arose in the past with receiving the Journal have been discussed with Pergamon Press now. We hope this will run smoothly now (see also par. 4).

The proceedings of the 2nd Meeting in Strasbourg will not be published (par. 7); those of the 3rd Meeting in Nijmegen are through the editing stage, and will be published towards the end of August of this year (par. 9).

The Council is still working on increasing the membership, sponsoring local meetings, the statutes, and liaison with the E.S. Biomaterials and Artificial Organs in view of a possible federation, patronized by the Council of Europe.

3. Structure and Addresses of the New Council

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4. From the Treasurer

If you have not payed your mebership fee for 1982 (\$ 40.=), please do so immediately. Sending of the J.Biomechanics to members will be discontinued for those who delay their payments after June. Send a cheque for \$ 40.= to the Treasurer, D.H. van Campen, or \$ 42.= by bank transfer:

A.B.N. Bank Enschede, The Netherlands

Account No. 59.09.75.242

Treasurer E.S.B.

Starting 1983, the membership fees will have to be payed in advance, in order to parallel the Journal subscription year. Hence, you will receive an invitation for the 1983 dues in November of this year, to be payed before December 31st. This will smoothen out all problems we have had previously with supplying the J.Biomechanics to the members.

If you have any problems with receiving the Journal in time, please write or call the Treasurer immediately.

5. From the Membership Committee

The strength of a society is in its membership. Our society, although growing fast, is still young. Increased membership means better communications; it means you can identify people with similar interests; it means you can arrange local meetings under society sponsorship; it means strength. We need your help in our recruitment campaign. Identify a friend who is not a member and invite him to join us. Use the Application Form attached, or contact for further information N. Berme or R. Huiskes.

The membership statistics are (January 1982) as follows:

Austria	1	France	20	Spain	8	U.S.A.	4
Belgium	23	Germany	6	Switzerland	6	Yugoslavia	1
Brazil	1	Greece	11	Netherlands	27		
Denmark	7	Italy	35	United Kingdom	12		
<u>Total:</u>	161 Members						

6. From the Meeting Committee

FUNCTIONS OF THE MEETING COMMITTEE

A primary objective of the society is to provide for students of Biomechanics opportunities for fruitful encounters, so that ideas may be exchanged, common interests identified, collaborations initiated, and the languages of Mechanics and Biology may be merged so as to form the language of Biomechanics. For a more effective pursued of this objective a meeting committee has been established. This committee will function as a contact point between the organizers of scientific events relevant to Biomechanics and the Society membership. It will provide the following services

Awareness Service

Anyone who is organizing a local or international Scientific Meeting or Instructional Courses devoted to Biomechanics or related topics and desires to make the ESB membership aware of it, is requested to provide the meeting committee chairman with all the relevant details in ample time. The information will reach the membership through the ESB newsletters which will be published every six months in March and September.

Sponsorship Service

Organizers who wish that their Meetings or Instructional Courses be sponsored by the ESB should apply to the ESB Council through the meeting committee chairman providing all necessary details. The meeting committee shall process the application, and the Council shall evaluate it and reach the final decision. Applicants should take notice that this procedure will take at least four months.

Proposals for the organization of the biennial ESB Meeting

Proposals should be submitted to the ESB Council through the meeting committee chairman no later than three months prior to the ESB Meeting preceding the one that they wish to organize. Proposals should be accompanied by a detailed description of the hosting Institution, the scientific program, other sponsorships, and financial funding. The proposals will be assessed and presented in a report to the ESB General Assembly which will make the final decisions.

7. Proceedings of the 2nd Meeting in Strasbourg

The publication of the proceedings of the 2nd General Meeting in Strasbourg has presented us with great problems. Eventually, September 1981, a Publisher was found (Martinus Nijhoff Publ.). However, only a few authors consented in submitting a 'camera ready' version of their presentation at that time, while of those submitted a significant part were either outdated, of poor editorial quality, or already published elsewhere. We have decided to abandon this project. Those who have prepaid this publication will receive a refund shortly.

8. Statistics of the 3rd Meeting in Nijmegen

The 3rd General Meeting was held at the University of Nijmegen, The Netherlands, 21 - 23 January 1982. Eight invited "Keynote" speakers, 82 oral presentations and 62 poster presentations were scheduled. Of these, 1, 12, and 14 respectively were later withdrawn, or could not attend due to the weather conditions.

A number of these were replaced by others. Papers were scheduled on Gait Analysis (18), Biomechanics of Bone (7), Artificial Hip Joints (16), Soft-Tissue Biomechanics (14), Biomechanics of Joints (16), Biomechanics of Fracture Fixation (18), Miscellaneous Orthopaedic Biomechanics (5), Artificial Knee Joints (6), Structural Analysis of Bones (5), Cardio-Vascular Biomechanics (11), Dental Biomechanics (6), Sports Biomechanics (7), and some miscellaneous subjects. Around 15% of the submissions were rejected for either oral or poster presentation. Of those orally presented, 47 were selected for publication in the proceedings book. All abstracts of the orally presented papers and the titles of the posters will be published in the Journal of Biomechanics, towards the end of this year.

All abstracts submitted were reviewed and rated by 3 members of the Conference Committee and 3 members of the Program Advisory Board. A prize was given for the abstract with the highest rating, won by L. Ryd, A. Lindstrand and G. Selvik for their paper: "Micromovement of the Tibial Component in Successful Knee Arthroplasty, Studied by Roentgenstereophotogrammetry".

The Conference was attended by almost 250 people. The Conference Buffet was attended by almost 120 of them, and was a great success, as witnessed by 67 empty wine bottles.

There are still a number of Abstract Books available, which can be obtained from the Secretary General, expenses (\$ 10.-) to be included with your order, or to be transferred to the Society Bank Account.

9. Proceedings of the 3rd Meeting in Nijmegen

The proceedings book of the 3rd Meeting is in its final stage. The editing process is finished, and the manuscript has been send to the publisher, Martinus Nijhoff Publishers. The publication date is August, 1982.

The book contains full articles of the 8 'Keynote' lectures, and 47 selections from the other papers presented; 458 pages in total. The Society will buy 200 copies at a 40% reduction rate (\$ 39.=), to be sold to the members and attendants of the 3rd Meeting. Almost 150 books have been sold already. If you are interested in obtaining one or more copies for the 40% reduced price, please hurry with sending the form enclosed. If this form is not accompanied by payment, your order will be processed to the publisher, but the 40% reduction rate cannot be guaranteed in that case.

10. General Information on the Combined Meeting in Leuven, 1983

The Fourth European Conference on Biomaterials in association with the European Society of Biomechanics and the European Society for Artificial Organs in Leuven, Belgium, August 31 - September 2, 1983.

Conference Chairman: P. Ducheyne

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Representatives for the E. S. Biomechanics: F. Burny and R. Huiskes

A "call for papers" will be distributed in September of this year.
