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Vol 5 No 1

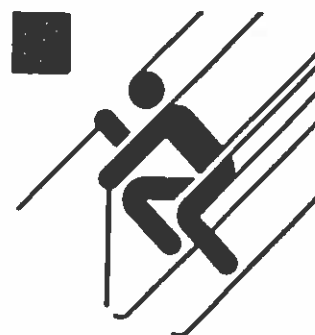
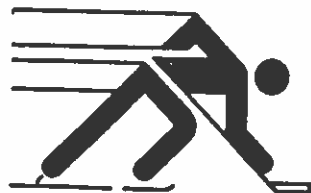
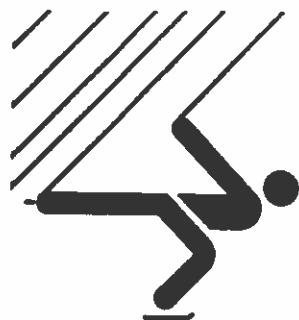
Fall 1988

# SPORTS BIOMECHANICS

## NEWSLETTER

# I S B S

*International Society*



*of*

*Biomechanics in Sports*

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SPORTS BIOMECHANICS NEWSLETTER  
VOL 5 NO 2

FALL 1988

L. Holt, President  
J. Hudson, Secretary General  
J. Ostarello, Treasurer  
H. Gros, Newsletter Editor

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DEAR ISBS MEMBERS :

...a message from Dr. Larry Holt, President of ISBS.

At this time of year many of you are engrossed in professional activities. Preparing lectures, advising students, teaching classes and doing research are some of the things that make the fall season such a busy period. I hope that part of this process involves the planning of a study or series of studies that would be of interest to ISBS members, and I ask you to think about sharing your discoveries with us this summer.

Bill Morrison and his staff at Footscray Institute of Technology in Melbourne Australia have been planning the seventh International Symposium for a long time, and have put together a "package" of activities that will be academically enriching and socially entertaining. I state this emphatically, because the quality of our symposia has remained at a very high level.

ISBS '88 hosted by Ellen Kreighbaum was a delight. The staff were friendly, the University was accomodating, the papers were interesting and informative and the social activities most enjoyable. We have been fortunate to have had the oportunity to meet in some unusual locations during the past few years and ISBS '89, '90, '91 will continue the trend.

As plans unfold for our seventh symposium we will keep you informed. Please consider carefully the oportunity to visit Australia and to share with us what I know will be a great experience.

Halifax, September 26, 1988

Larry E. Holt, Ph.D.

President - ISBS

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**ISBS LOGO CONTEST:**

It was decided to have a vote taken by the membership of ISBS on which logo should be chosen. All logos submitted by the end of this year will be published in the next newsletter. Voting will be done by mail.

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# ISBS BOARD OF DIRECTORS MEETING

Announcements, actions, and major items of discussion at the ISB Board of Directors meetings in Bozeman, Montana, USA during July 5-11, 1988

Prepared by Jackie Hudson, General Secretary of ISBS

## *DIRECTORS PRESENT:*

Adrian (USA), Barabas (Hungary), Barthels (USA), Bauer (Canada), Brown (USA), Cooper (USA), Deming (China), Gowitzke (Canada), Gros (W. Germany), Holt (Canada), Hoshizaki (Canada), Hudson (USA), Kelley (USA), Kreighbaum (USA), Morrison (Australia), Nazarov (USSR), Ostarello (USA), Sacripanti (Italy), Susank (Czechoslovakia), Sutchilin (USSR), Terauds (USA), Therrier (Canada), Tsarouchas (Greece), Waddell (Canada), Yamamoto (Japan)

## *ANNOUNCEMENTS:*

1. Introduction of executive and announcement of election results: Past-President - Marlene Adrian, President-Elect - Ellen Kreighbaum, Vice-President/Publications - Blaine Hoshizaki, Vice-President/Awards and Public Relations - Barbara Gowitzke, Vice-President/Conferences - Lefteris Tsarouchas, Vice-President/Research - Bruce Mason, Secretary General - Jackie Hudson, Treasurer - John Ostarello, President - Larry Holt.

2. Preliminary report of 1988 Conference by Ellen Kreighbaum: About 150 participants from 15 countries are expected. The scientific program features 8 invited speakers including Marlene Adrian as the Dyson lecturer. There are 6 exhibitors (4 instrumentation, 2 publication).

Special events include the poster session/exhibitor social on Wednesday night, the optional trip to the high altitude training center on Saturday, and other trips planned by Montana Travel.

## *ACTIONS:*

1. The treasurer's report for 1987-1988 was accepted (The balance in the ISBS account on May 31, 1988 was \$2152.04 reflecting a balance brought forward of \$1781.12 plus dues and interest of \$1443.79 less newsletter production costs of \$653.32, telephone and miscellaneous expenses of \$189.55, and 1987 conference expenses of \$230.00).

2. Logo contest:

In the past year another entry has been submitted for the logo contest. All entries will be published in the Newsletter, and the winner will be selected by a vote of the membership.

3. Future conferences:

(a) Each future host should submit a letter detailing plans (including tentative budget) following the Kelley guidelines.

(b) The conference manager is responsible for the entire costs of the symposium, the publication of the proceedings, and the travel/room/board expenses of the Dyson lecturer. This is effective after the 1988 ISBS Conference.

(c) Attendees at the ISBS conferences must be members of ISBS or pay a registration fee greater than that paid by members.

(d) Bill Morrison should be allowed to solicit any sponsorship except tobacco for the 1989 Conference.

4. Conference publications: ISBS members who do not attend a conference should have the option of buying the conference publication at the same price paid by members who attended the conference, and the postage charge should be the book rate. Individual non-members should be charged \$50 for the conference publication. Institutions should be charged \$70 for the conference publication.

5. Elections:

(a) A chair is needed for the nominating committee to develop a slate of candidates for Vice-President for Awards and Public Relations, Vice-President for Conferences, Secretary General, and Treasurer.

(b) Marlene Adrian will be appointed the chair of the nominating committee; if she declines, a replacement will be named by Larry Holt.

(c) The single office of Vice-President for Awards and Public Relations will be separated into two offices of Vice-President for Awards and Vice-President for Public Relations.

6. Budget:

The ISBS will provide up to \$200 to pay for the president's travel expenses to the symposium. The ISBS budget will include a line item of \$400 for executive expenses related to operating the ISBS.

7. Dues and Membership:

Dues are individual (\$20), student (\$5), group (\$50), affiliate (\$50), life member (\$0), and fellow (\$0). After checking the conference registration list and the membership list, John Ostarello should send a letter to those who are listed but are not paying dues and remind them that if they do not pay dues by December, 1988, they will be dropped from the mailing list.

8. Endorsement of *International Journal of Sport Biomechanics*:

Rainer Martens, publisher of IJSB, has proposed an arrangement whereby members of ISBS would receive a \$3 discount on the subscription price of IJSB if (a) ISBS endorses the Journal and (b) subscribing to the journal is one option of membership in ISBS. Larry Holt will write to IJSB expressing the interest of ISBS endorsing IJSB provided that ISBS be included in the editorial membership.

9. New constitution:

Following from his extensive background in constitutional matters and building on the discussions of the board in Greece, Dave Waddell drafted a new constitution and by-laws for ISBS. After much deliberation and some modification, the constitution and by-laws were approved by the board. Still to come are "terms of reference" which will address such issues as: fees, solving problems that arise, details with respect to the Dyson lecture, guidelines for the executive council, announcements, conference committees, etc. Important changes in the constitution and by-laws include:

(a) The number and role of the directors has been altered: Up to 21 directors will be elected. The functions of the directors shall be determined by the needs and interests of the society. Although directors may have expertise in a given sport or an address in a given country, these categories are no longer designated or necessary for board membership. It is hoped to have representation from many sports, countries, and special interest groups and especially from minority constituencies (i.e. geography and gender).

(b) The number of board members needed for a quorum has changed: A quorum =  $(1/3 \text{ of the members of the board}) + 1$ .

(c) Election procedures have been modified: Each officer is elected by plurality for a term of 2 years (except that President-Elect and Past-President are one-year terms).

*DISCUSSIONS:*

1. Newsletter:

Thanks to Hans Gros for organizing, collecting, and producing the newsletter and to John Ostarello for printing and mailing it. Due to a dearth of responses, only one issue of the newsletter (Fall, 1988; Vol.5 Nr. 1) was produced this year. Suggestions for generating submissions included:

(a) asking sports directors and country representatives to supply materials,

(b) inviting participation through an inclusion in the membership renewal mailing, and

(c) creating an editorial board of young, energetic people who want to be involved, who represent various sectors of the world, and who do not have other ISBS responsibilities.

2. Sponsorship of the Dyson lecture, newsletter and proceedings:

(a) A few attempts have been made to solicit sponsors.

(b) Future efforts should be predicated on the assumption that potential sponsors must believe that they are receiving as well as giving.

(c) More efforts are needed to pursue sponsorship.

3. Registry for Dyson selections:

Because geography creates logistically awkward decisions for the selectors of the Dyson lecturer, it is proposed that these decisions should be facilitated and ameliorated by the maintenance of a Dyson registry. Such a registry (i.e., names and details of potential speakers) could serve as a departure point for starting the decision making and could encourage the use of common sense with respect to geography and expenses.

4. Intra-ISBS communications:

Suggestions were made that:

- (a) Communication be made by FAX when possible,
- (b) the newsletter include a FAX directory, and
- (c) member profiles include FAX and TELEX information.

5. Conference locations:

- (a) Concerns were expressed over the fact that the ISBS conferences will be held away from North America for three consecutive years (1989, 1990, 1991).
- (b) For the conference to return to North America, a host must come forward.
- (c) If a North American host materializes for 1992, it might be possible to switch the 1991 and 1992 cities.
- (d) it is important that anyone considering an application to host the conference be apprised of the necessary details.

6. Ethical issues:

Concerns have been expressed that it could be unethical for one researcher to be a senior author on more than one paper per conference. This leads to questions of what the ethical standard of ISBS will be and which culture will set the standard.

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The Institut of Sports Science at the University of Stuttgart, West Germany has moved to it's new buildings. Thus, my address has changed as follows:

Dr. H. J. Gros  
Institut für Sportwissenschaft  
Universität Stuttgart  
Allmandring 28  
7000 STUTTGART 1, West Germany  
Phone: 0711 685-3177. FAX: 0711 685-3500. BITNET: ULAC AT DSORUS0.

*Please send YOUR contribution to the Newsletter to above address!*

Send your (new) address and FAX Number, I'll put together a FAX and BITNET directory, that will help to speed up communications between ISBS members !

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## ISBS ANNUAL GENERAL MEETING

Actions and other business at the ISBS Annual General Meeting in Bozeman, Montana, USA on July 9, 1988.

By Jackie Hudson, Secretary General of ISBS.

### *ACTIONS:*

1. The minutes of the 1987 Annual General Meeting as published in the 1987 Fall newsletter, were accepted.

2. The treasurer's report for 1987-1988 was accepted. The treasurer, John Ostarello, was authorized to identify an auditor for the ISBS account.

3. The report of the Vice-President of awards and public relations was accepted. Regarding the selection of the Dyson lecturer, members were encouraged to submit names of potential lecturers for future conferences.

4. The report of the Vice-President of conferences and meetings was accepted. The next three conferences are to be held in Melbourne, Australia in 1989, Prague, Czechoslovakia in 1990, and Stuttgart, West Germany, 1991. The proceedings of the 5<sup>th</sup> Symposium in Greece should be published in October.

5. The report of the newsletter editor was accepted. The following suggestions were made to keep the newsletter good and lively: submit short lab descriptions, statements of what your students are doing, short abstracts of student work, etc. Attention was called to recent newsletters regarding the details of the young investigator award and the submission for the ISBS logo.

6. President Holt announced the results of the election:

The President-Elect is Ellen Kreighbaum.

The Vice-President for Research is Bruce Mason.

The Vice President for Publications is Blaine Hoshizaki.

Also, he reported that the board of directors has been working on the constitution and by-laws and invited members to attend the meetings. The following motion was passed: The revised constitution and by-laws will be submitted to the membership for ratification.

### *OTHER BUSINESS*

1. An inquiry was made regarding the feasibility of providing for simultaneous translation during the presentations.

2. A suggestion was made that a list of members be published in the newsletter.



*THERE IS NO QUESTION ABOUT IT !*

Gay Ostarello must be considered one of the finest and most promising songwriters in the biomechanics scene. Her ability to transform careful observations and subtle criticism into tale telling songs is once more demonstrated in her

## ODE TO ISBS - 1988

Oh, give us a gym, Where the jocks run and swim,  
Where we measure each angle and force,  
The data we plot, Never mean a whole lot,  
But we're here to report them of course!

CHORUS:

Oh, ISBS, where the sport engineering types meet,  
Where seldom is heard, A perspiring word,  
The biomechanics elite.

We travelled afar, Navigating by star,  
On an airplane with only one prop,  
Took hours or days, and a dozen delays,  
No one made it to Bozeman non-stop.

Our sweatshirts we brought, Hoped to swap what we bought,  
We will make it an annual sport,  
Trading shorts, shirts, and socks, Our favourite jocks,  
Or whatever we use for support.

The By-Laws got by, No one dared blink an eye,  
For the board slaved from dusk until dawn,  
The rules they passed, From the first to the last,  
We'll amend just as soon as they're gone.

Far into the night, We discussed with delight,  
All the heights that the athlete might reach,  
But e're we retire, Dare we once more perspire,  
And practice the skills that we preach.

'Twas a festive event, When to Butte the group went,  
Where Olympians hope for a chance,  
Some tried casting flies, Stumbled home with red eyes,  
Couldn't give the cheerleaders a glance.

This fine Bar-B-Que, Here at old M.S.U.,  
Brought steak smoked with buffalo chips,  
Try Montana wine, Taste the "oysters" so fine,  
Not related to those found on ships.

This conference was swell, Ellen planned it so well,  
We're sorry it's just about through,  
Down Under we'll go, For Bill Morrison's show,  
To the land of the famed kangaroo.

CHORUS

Tune: Home on the Range  
Words: Gay Ostarello

# CONFERENCES AND SYMPOSIA IN 1989

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## NAPEHE ANNUAL CONFERENCE

The annual conference of the national association for physical education in higher education will take place January 5<sup>th</sup> to 7<sup>th</sup>, 1989 in San Antonio, Texas. Under the theme "What should professionals in physical education know? - What should professionals in physical education do?" the organizers want to facilitate communication of research important to the broad field of physical education.

For more information please contact:  
Donald Chu, Dept. of Phys. Ed and Dance, Skidmore College,  
Saragota Springs, NY 12866.

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## AIESEP WORLD CONVENTION 1989

The Jyväskylä Congress "Movement and Sport - a challenge for life-long learning", which will also be the AIESEP World Convention 1989 is scheduled for June 17<sup>th</sup> to 22<sup>nd</sup>, 1989. The University of Jyväskylä, Finland will host this conference. Current theoretical and empirical research on the following themes will be introduced and discussed:

- Research on teaching physical education, coaching and teacher training.
- Motor learning throughout the whole life-span.
- Physical and sport activities and their prerequisites in different age groups.
- Competitive Sports in different phases of the life span.
- Philosophical and theoretical aspects of sports research.

Important Deadlines: Abstracts, Feb. 1. Notification of accepted papers, March 15. Registration, April 1.

For more information please contact:  
Jyväskylä Congress, Fac. of Sport and Health Science, University of Jyväskylä, 40100 Jyväskylä, Finland. Phone: 358 41 291 848.

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## 2<sup>nd</sup> INTERNATIONAL SYMPOSIUM ON COMPUTER SIMULATIONS IN BIOMECHANICS.

This symposium is a satellite meeting to the XII<sup>th</sup> International Congress of Biomechanics. A small group of experts will present and discuss the following topics:

- Methodological aspects of modelling and simulation.
- Simulation of the neuromusculoskeletal system.
- Simulation of total body motion.
- Computer aided instruction and learning in sport and rehabilitation.
- Simulation software and hardware oriented to biomechanics.

For more information please contact:  
Prof. Mont Hubbard, Dept. of Mechanical Engineering, University of California, Davis, CA 95616, USA.

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# CONFERENCES AND SYMPOSIA IN 1989

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## XII INTERNATIONAL CONGRESS OF BIOMECHANICS

The 12<sup>th</sup> International Congress of Biomechanics will be held at UCLA, June 26-30, 1989 under the auspices of the ISB. Congress topics include: Biomechanics of Sport, Rehabilitation, Ergonomics and Occupational Biomechanics, Assessment of Muscle Function, Human-Machine Systems, Clinical Orthopaedic Biomechanics, Methods and Instrumentation, Measurement and Data Processing, Computer Simulation and Modeling, Neuromuscular Control of Movement, Mechanics/Energetics of Muscular Contraction, Joint Kinematics and Kinetics, Soft- and Hard-Tissue Biomechanics, Biomaterials, (Endo)Prostheses, Orthoses, and External Fixations.

For additional information please contact:  
Dept. of Kinesiology, 2854 Slichter Hall, University of California Los Angeles, Los Angeles, CA 90024-1568, USA.  
Phone: (213) 825-5376 or (213) 825-3910.  
Telex: 3716012 (UCLA, Dept. of Kinesiology)  
Bitnet: IBN7RFZ AT UCLAMVS

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## VII INTERNATIONAL SYMPOSIUM OF BIOMECHANICS IN SPORTS

The annual Symposium of the International Society for Biomechanics in Sports (ISBS) will be held for the first time in Australia from July 3<sup>rd</sup> to 7<sup>th</sup>, 1989. You find more information about "our" symposium on the following page in this Newsletter and the forthcoming Newsletter, Vol. 6 Nr. 1.

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## WORLD CONGRESS ON SPORT SCIENCES

This first International Olympic Committee World Congress on Sport Sciences, initiated by the International Olympic Committee Medical Commission, will bring together leading sports science experts and professionals from around the world to discuss and share information and ideas about basic and applied research as related to athletic performance at the Olympic level of competition.

The congress will take place October 29, 1989 thru November 3, 1989 at Colorado Springs.

Deadlines: Abstracts, April 15. Notification of acceptance, July 1.

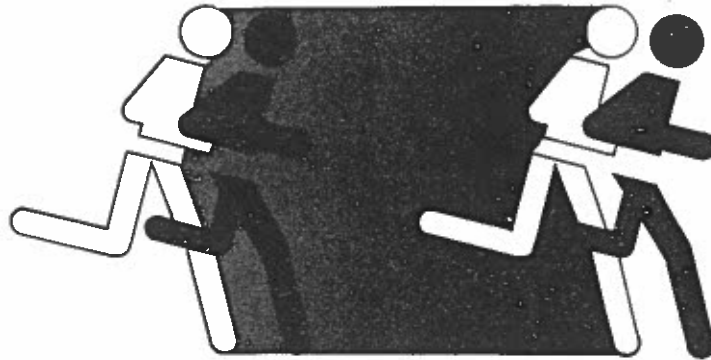
For further information contact:

IOC World Congress on Sport Sciences, M.M. Newsom, U.S. Olympic Committee, 1750 East Boulder Street, Colorado Springs, CO 80909, U.S.A.

Phone: (719) 578-4575

Telex: USOCEDSVCS 3730251

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Bill Morrison is the Chairman of the 7<sup>th</sup> International Symposium of ISBS. At our last Symposium in Bozeman, Montana, Bill has provided the participants with exciting preliminary information and slides that made everybody anxious to meet "down under" in Australia. Here are some details:

**AUSTRALIA:**

For the first time in the history of the ISBS the Symposium is being held in the southern hemisphere. Australia is a young nation, established on an ancient land mass, of approximately 8 million square kilometers. Variety is the essence of Australia, with about 40 percent of the country in the tropics, snowfields in the south-east and deserts in the central region. Best known are Australia's unique animals such as the kangaroo, koala and wombat, as well as the infamous forests of wattle and gum trees. With a population of some 17 million scattered around the land, Australia is a fabulous place to visit.

**MELBOURNE:**

The capital of Victoria, is a port city and is situated near many of the interesting sites. Parks, trams, golf, sea, kangaroos, football, tennis, etc., are all in Melbourne. So take a "Captain Cook", and meet a mate in Melbourne.

**FOOTSCRAY INSTITUTE OF TECHNOLOGY:**

is the major multi-discipline college of advanced education in the vast, culturally rich western region of Melbourne. In January 1984, the Institute became one of only three declared colleges in the State of Victoria, able to accredit its own courses at all levels. The campus is located on a five hectare site on Ballarat Road in Footscray adjacent to the extensive parklands on the Maribyrnong River Valley and the attractive Footscray Park. A comprehensive library, computing facilities, student counselling and medical services, modern cafeteria and bistro, indoor and

outdoor entertainment areas and numerous clubs and societies exist on campus. An extensive building program and site development has resulted in excellent facilities and an attractive campus.

*TOPICS AND INVITED SPEAKERS:*

*Gymnastics:* Brüggemann, W. Germany. Forbes, Australia.  
*Swimming:* Clarys, Belgium. Maglischo, USA.  
*Raquet:* Elliott, Australia. Gowitzke, Canada. Groppe, USA.

*FREE COMMUNICATIONS:*

Free communications have usually attracted presentations in the areas of Aerobics, Golf, Track and Field, Skiing, Cycling, Triathlon, Basketball, Rowing, Canoeing, and Weightlifting. Research Methods, Youth Sports, Sports injury as well as Measurement have also been recognized at the Symposium.

*FORMAT:*

In addition to the invited speakers and the Geoffrey Dyson Lecturer, a call for free communication abstracts was made in September, 1988. The free communications may be slide or poster presentations.

*SYMPOSIUM TIMETABLE:*

Initial Announcement: July, 1988  
Call for Abstracts: September, 1988  
Deadline for Submissions: March 1<sup>st</sup>, 1989  
Distribution of Registration Forms: March 1<sup>st</sup>, 1989  
Early Registration: June 1<sup>st</sup>, 1989  
Registration and Symposium: July 2 - 7, 1989

For more information please contact the

*SYMPOSIUM SECRETARIAT:*

VII ISBS Symposium  
Footscray Institute of Technology  
Dept. of Physical Education and Recreation  
P.O. Box 64, Ballarat Road  
FOOTSCRAY, Victoria  
Australia - 3011

Phone: (03) 688-4470  
TELEX: Fitlex AA 36596  
FAX: (03) 689-4069

Please indicate the number of registration packages requested and the number of author and abstract instructions you need.

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JfS, Keplerstrasse 17  
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D 7000 Stuttgart 1  
W. Germany

Dr. Kathy Barthels  
Department of Physical Education  
and Recreation Administration  
California Polytechnic State University  
San Luis Obispo, California 93407  
USA

**ISBS**

*International Society of Biomechanics in Sports*