

VOL. 9 NO. 1

FEBRUARY 1992

**ISBS**  
**SPORTS BIOMECHANICS**  
**NEWSLETTER**





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## President's Message - 1992 Report

President: Dr. Bill Morrison, Victoria University of Technology, Footscray, Victoria, Australia 3011

As we enter the year of 1992 everyone's thoughts and challenges focus on the Olympics. It is gratifying to see so many excellent projects proposed for the Games through a variety of organizations. Congratulations to those investigators from our ISBS membership who have had proposals accepted and also to those who have joined one of the larger projects. It is also quite encouraging to see the wide variety of events which will

be investigated. This type of collaboration and affiliated endeavour is most productive and the prime objective of Sport Biomechanists world wide. Well done everyone.

As I continue to communicate with the membership there is a well expressed and well-deserved sense of achievement being illustrated about 1991 and an excitement about the future. These expressions leave me with the feeling that 1992 will be a significant and successful year.

The 1991 proceedings are available and I would encourage

everyone to order them for the library for personal use as it provides up-to-date science for our students. congratulations to Dr. Tant and her committee on the speed and quality of the publication.

I hope that 1991 was a satisfying and enjoyable year for all ISBS members. That, you have had a relaxing and gratifying festive season with family and friends and are ready for the challenges of 1992.

Happy New Year and Best Wishes.

*BILL MORRISON*

## Message from the Past President

Although the ISBS is heading into its 10th Annual symposium in Milan, Italy, the organization is still refining its "footprint" in the world of sport science. During the past three years, while I served as president-elect and then president, the organization has refined its dimensions, its breadth as well as its delimitations.

In this regard, our constitution and by-laws have been established and refined (thanks to David Waddell), our Society's awards have been established and focused (thanks to Barbara Gowitzke) and the sites of our symposia through 1993 have been tentatively determined (thanks to Pekka Luhtanen).

Most exciting and positive initia-

tive is the very recent move by the Board of Directors to affiliate with the International Journal of Sport Biomechanics, published by Human Kinetics Publishers. The details of this affiliation most importantly establish a means by which ISBS will have two designated associate editors for this publication - an associate editor for applied research, Eugene Brown, and an associate editor for the digest section, Carol Widule. The former section will provide an outlet for articles of an applied nature and should further the goal of ISBS to "bridge the gap between the sport scientist and the practitioner." The latter section, the digest, serves to present abstracts of salient sport research articles from other publications around the world.

I have enjoyed the privilege of serving as your president over the past two years. The ISBS membership is scholarly, dedicated, conscientious and most importantly, made up of people who can maintain a sense of humour and fun throughout all of the laborious responsibilities. As I moved into the past president's role, ISBS moved into a new era under the direction of Bill Morrison. Exciting events are in the works, some of which are the formulation of a membership pin and banner for our annual symposia, the initiation of an oral history project consisting of interviews with outstanding biomechanists and a closer cooperation with ISB.

*ELLEN KREIGHBAUM*

## Editor's Notes

I know, I know, I promised to have this newsletter out before the Christmas holidays. Well, there were so many important announcements that would take place after the holidays, I felt it would be more appropriate to wait and include them in this, the Spring newsletter. I apologize for the confusion.

### • ISBS '92: Milano, Italy

Have you made plans to attend the Xth International Symposium in the land of world class fashion and cuisine? From June 15-19th the Centro di Bioingegneria Fondazione Pro Juventute, I.R.C.C.S. Politecnico di Milano will host the meeting dedicated to "bridge the gap between biomechanics researchers, teachers, and coaches". Don't wait until the last minute to make your arrangements! (See announcement in this newsletter.)

### • Proceedings from the VIII and IX Conferences

The Proceedings from the VIIIth Conference held in Prague can be obtained by sending a Cashiers cheque for \$39.00 to Ing. Miroslav Kodejs, Conspont Corp., Konviktska 5, 110 00 Praha 1, Czechoslovakia. You can also fax your orders: 0042 2 2357810. This is probably the most inexpensive academic book you can find,

(not counting the two mentioned below) so order two, one for your files and one for the library. We need the business?

The Proceedings from the IXth Conference, held in that other exotic locale, Ames, Iowa, are also now available. Over 450 pages including 40 papers from six countries are represented in the volume. Once again, a cashiers cheque made payable to ISU Physical Education in American funds is required to attain one of these fine books. ISBS members pay \$30.00, non-members \$50.00, and libraries, \$50.00. The mailing costs are rated as follows, USA \$3.00, Canada \$5.00, Europe \$12.00, Asia, Australia \$17.00 and Venus \$45,000.00 Send your orders to Dr. Cynthia L. Tant, Department of Physical Education and Leisure Studies, Iowa State University, 255 PEB, Ames, Iowa, 50011.

Dr. Tant has also published the proceedings from the Third National Symposium on Teaching Kinesiology and Biomechanics in Sports. Individual US \$25.00 and Library US \$45 with the same mailing costs.

I would like to take this opportunity to thank Linda Bump for her patience, enthusiasm and ingenuity in obtaining an agreement between the International Journal of Sports

Biomechanics (IJSB) and ISBS. The opportunity for ISBS to be a co-sponsor of such a fine journal is exciting for our members. Thank you, Linda. You were a pleasure to work with.

During the past four years, as Vice-President of Publications, I have had the opportunity to take on some very interesting projects with varying success. I am proud that we were able to bring all conference publications up to date. When I started we were four years behind; today, thanks to Dr. Tant, we have caught up. In addition, Dr. Terauds was able to publish the papers from the Halifax conference (1986) that had somehow entered limbo. Finally, our society has an official journal (IJSB) for refereed publications. This allows our members the opportunity to publish in a refereed journal, conference proceedings and the Newsletter. Unfortunately the Newsletter stumbled last year, however, we recovered this past year. This is my last responsibility as the VP Publications. It has been challenging and a great deal of fun. I enjoyed working with everyone and continue to have faith that the society will grow and prosper. Sincerely,

*BLAINE HOSHIZAKI*

## Message from the Vice-President: Awards

### Call for Nominations

#### GEOFFREY DYSON LECTURER

Nominees for the Geoffrey Dyson Lecturer are needed so that a selection can be made for the 1992 Milan symposium. The nominee "must have an international reputation in the field of sports biomechanics and an ability to communicate with both the researcher and the practitioner. A condition of acceptance shall be that the candidate personally deliver the Geoffrey Dyson Lecture." (Guidelines in the selection of the Geoffrey Dyson Lecturer, ISBS Newsletter, Fall 1987.) The name of the nominee, and brief account of the nominees' credentials, and why this person was nominated should be sent immediately to:

Dr. Barbara A. Gowitzke  
123 Woodview Crescent  
Ancaster, Ontario L9G 1E8  
CANADA

In early January, the Awards Committee (composed of V-P Awards, V-P Conferences and Meetings, Secretary-General, and two other Directors) will make the selection.

#### FELLOWS AND LIFE MEMBERS

Nominees for Fellows and Life Members are sought by the Awards Committee.

**Fellow:** A class of membership "reserved for individuals who have made outstanding contributions in biomechanics related to sports over a period of years. Elected by the Executive Council, a Fellow is exempt from payment of annual dues and registration fees for symposia, conferences and seminars of the Society while having all the privileges of membership."

*ISBS Constitution*

**Life Member:** "A special membership category reserved for members who have made outstanding contributions to the Society. Elected by the Executive Council, a life member has all the privileges of membership but does not pay annual dues."

*ISBS Constitution*

Names of nominees for Fellow or Life Member, along with credentials and reason for nominating should be sent to:

Dr. Barbara A. Gowitzke  
123 Woodview Crescent  
Ancaster, Ontario L9G 1E8  
CANADA

## Membership Information

Dr. John Ostarello  
Department of Kinesiology &  
Physical Education  
California State University  
Hayward, CA 94542 USA

The Board of Directors voted for a dues increase at the meeting held at Iowa State University in July 1991. The increase was necessary to cover the cost of providing a subscription to the International Journal of Sport Biomechanics. The new schedule is effective Jan. 1 1992. The new rates are:

Regular members	\$ 55.00
Student members	\$ 10.00
Group members	\$100.00

Regular members will receive the Journal and Newsletters. Student members will only receive the Newsletters.

Regular members who have prepaid their dues will be notified and assessed the amount required to meet the new rate schedule.

All members who are presently receiving IJSB must provide a confirmation of purchase (invoice) with their dues and they will not have to pay the \$35.00 journal fee, only the \$20.00.

### REMINDER TO MEMBERS OUTSIDE THE U.S.A.

Please remit your dues in U.S. dollars using an International Money Order. Other forms of payment cannot be accepted. Unfortunately, and unbelievably, foreign checks written in U.S. dollars and drawn on U.S. banks are assessed processing charges in excess of forty dollars.

## ISBS '92 Symposium

X International Symposium of  
Biomechanics in Sports  
Milano, Italy 15-19 June 1992

Organized by:

Centro di Bioingegneria  
Fondazione Pro Juventute  
I.R.C.C.S.-Politecnico di Milano  
With the support of:  
Civica Scuola per Animatori Sportivi  
(Comune di Milano, settori Educazione,  
Sport e Tempo Libero)

On behalf of the International Society of Biomechanics in Sports, we have the pleasure in inviting you to attend the International Symposium of the Society "ISBS '92", which will be held in Milano - ITALY.

The ISBS was organized in 1982 with the express purpose of "bridging the gap between biomechanics researchers, teachers and coaches". The annual symposium, with its published proceedings, provides the vehicle through which biomechanics applications may be transmitted to practitioners.

**MOTTO:** When you can measure what you are speaking about, and express it in numbers, you know something about it.

*Lord Kelvin, 1891*

### TOPICS

- Biomechanical Methodology in Sports
- Basic and Applied Sport Biomechanics
- Biomechanics in Coaching and Teaching
- Biomechanical Assessment of Sport Equipments
- Biomechanical Rehabilitation in Sports
- Biomechanic-Bioenergetic Relationships in Sports
- Sport Biomechanics for People with Special Needs
- Free Topics in Sport Biomechanics

### CHAIRMAN

R. Rodano

### SCIENTIFIC COMMITTEE

R. Andrich  
M. D'Amico  
G. Ferrigno  
C. Frigo  
G. Lanzetti  
G.C. Santambrogio  
A. Veicsteinas

### ISBS'92 SYMPOSIUM SECRETARIAT

Centro di Bioingegneria  
Fondazione Pro Juventute, I.R.C.C.S.  
Politecnico di Milano  
Via Capecelatro 66  
I-20148 Milano, Italy  
Phone 39 2 40308305  
Fax 39 2 26861144

### THE SYMPOSIUM WILL INCLUDE

Key lectures, oral and poster presentations, workshop on "Biomechanics in Italy: Present State of the Art and Future Developments," trade exhibition.

### AWARDS

A special award will be taken into account for the most promising work presented by young researchers.

Official Language: English



## REGISTRATION FORM

FAMILY NAME \_\_\_\_\_

FIRST NAME \_\_\_\_\_ TITLE \_\_\_\_\_

DEPARTMENT \_\_\_\_\_

INSTITUTION \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ ZIP \_\_\_\_\_

COUNTRY \_\_\_\_\_ TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

Early Registration (payment before March 31, 1992)

Full fee Member of ISBS ISB ESB AIIMB ISEK

Reduced fee for full time student  
Reduced fee for # \_\_\_\_\_ accompanying persons

Reduced fee for Workshop only

Total amount (please add up all your fees.) \$ \_\_\_\_\_

I wish to submit a video for Videofestival. Yes \_\_\_\_\_ No \_\_\_\_\_

I wish to submit an abstract: # \_\_\_\_\_ to ISBS'92 \_\_\_\_\_ to Workshop \_\_\_\_\_  
(In case you are submitting more than one abstract, make copies of this form and fill out properly this part only.)

TITLE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

AUTHORS: \_\_\_\_\_  
\_\_\_\_\_  
*(Please underline the presenting author.)*

Preferred Topic \_\_\_\_\_

Preferred Presentation Oral Poster Video  
Award Candidate YES \_\_\_\_\_ NO \_\_\_\_\_

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

CENTRO DI BIOINGEGNERIA  
Fondazione Pro Juventute IR S - Politecnico di Milano - Via Capacelatro 66  
I-20148 Milano, ITALY  
Phone 39 2 40308305 - 40308315 - Fax 39 2 26861144



**ISBS'92**

## RESERVATION FORM

FAMILY NAME \_\_\_\_\_

FIRST NAME \_\_\_\_\_ TITLE \_\_\_\_\_

DEPARTMENT \_\_\_\_\_

INSTITUTION \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ ZIP \_\_\_\_\_

COUNTRY \_\_\_\_\_ TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

I ask the ISBS '92 Symposium Secretariat to book for me the following accomodation:

Hotel class: Four Stars \_\_\_\_ Three Stars \_\_\_\_ Two Stars \_\_\_\_ Hostels \_\_\_\_

Please indicate

Number of persons: \_\_\_\_\_

Number of single rooms: \_\_\_\_\_

Number of twin rooms: \_\_\_\_\_

Number of three bedded rooms: \_\_\_\_\_

Special needs: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Check-in date: \_\_\_\_\_ Arrival Time: \_\_\_\_\_

Check-out date: \_\_\_\_\_ Departure time: \_\_\_\_\_

**DO NOT ENCLOSE PAYMENT FOR HOTEL/HOSTEL ACCOMODATION  
YOU WILL PAY AT YOUR HOTEL RECEPTION DESK**

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

**CENTRO DI BIOINGEGNERIA**  
Fondazione Pro Juventute IR S - Politecnico di Milano - Via Capacclatro 66  
I-20148 Milano, ITALY  
Phone 39 2 40308305 · 40308315 · Fax 39 2 26861144



## Laboratory Feature

### Biomechanics Laboratory at the University of Minnesota

The Biomechanics Laboratory in the School of Kinesiology and Leisure Studies has been in operation for 15 years. Dr. Nancy Greer and Dr. Lela June Stoner are the primary biomechanics faculty with additional support from Dr. Diane Weise and Dr. Allen Burton in the areas of skill acquisition in children including modifications for children with disabilities. Dr. David Wu of the People's Republic of China is a post doctoral fellow in the laboratory. Close ties with faculty in engineering, physical therapy and veterinary medicine has resulted in considerable interdisciplinary research.

Recent addition of new equipment provides technical support to collect both cinematographic and videographic data using either 2 or 3 D data. An AMTI force platform is available and may be used on the level or in a ramp with a 10 percent grade constructed for gait analysis. A variety of additional equipment is shared with other School laboratories.

Both Dr. Greer and Dr. Stoner have interests in winter sports and have led studies of ice hockey, skating, speed skating, figure skating, hockey equipment, and cross-country skiing. Dr. Greer's role as Chair of the Sport Science Committee for USA Hockey and Dr. Stoner's role as ASTM's Chair of F.08 Committee on Sports Equipment and Facilities also reflect their commitment to winter sports and sport equipment.

Recent projects include collaborative work with engineering in the study of world class speed skaters (1988 Olympics), with veterinary medicine in the study of gait in dogs and the horse and rider in equestrian events. Study in the martial arts includes Tae Kwon Do and Tai Chi Cuan. The latter paper was presented at the 1990 Asian Games Scientific Congress in Beijing and is the basis for extensive study by Dr. David Wu and Dr. Stoner which they have termed the "Figure 8 Theory" of movement first pre-

sented to ISBS in Bozeman. A current project involves the effect of a knee brace on ramp and level walking and jogging under the direction of physical therapy faculty. The ISBS Conference in Ames featured two recent projects - one studied the Q angle in women running on a treadmill and the second the effects of pushing a baby jogger.

Approximately 6-8 doctoral students and 3-5 master level students in biomechanics also work regularly in the laboratory on various research projects. Because of the strong emphasis on research for undergraduate students in the division of Kinesiology and in the Department of Physical Therapy, many undergraduate students work with faculty or graduate student on research projects. Several have initiated their own projects and have been funded under UROP a University of Minnesota source for connecting researchers and undergraduate students.

### Biomechanics and Physiology of Sport IOC Medical Commission Publication

The IOC Medical Commission has published a description of the research accomplishments of the Sub-Commission on "Biomechanics and Physiology" of the IOC Medical Commission founded by 1982 by the Chairman of the Medical

Commission Prince Alexandre de Merode. This booklet provides a description of the goals of the Subcommission as well as a summary of the research projects to date. The publications are applied in nature and represent

information directly related to coaching and teaching. This publication can be obtained from the IOC Medical Commission, Confederation International Olympique, Chateau Vichy, 1007 Lausanne, France.

# ISBS Executive Responsibilities

## BALLOT:

**Position:** Past President or President Elect

**Term:** One year (Past President - odd year; President Elect - even year)

**Responsibilities:**

- 1) Keep the President informed as to the progress and activities of the office.
- 2) Chair the nomination committee(s)
- 3) Include the construction of committee(s) to produce candidate lists for each of the following areas
  - a) Executive positions
  - b) Directors for the Board
  - c) IJSB Associate Editors
- 4) Maintain a file of members who have expressed interest in the previously mentioned positions.

**Position:** Vice President of Publications

**Term:** Two years (even year)

**Responsibilities:**

- 1) Keep the President informed as to the progress and activities of the Chair.
- 2) Construct a publication committee to assist with the various publications.
- 3) Provide two newsletters per year to members and affiliates.
- 4) Collaborate with the Past President (or President Elect) in constructing a list of editors for IJSB.
- 5) Collaborate with the conference and meetings relative to the proceedings and other publications relative to the symposium V.P. to provide guidance to the organizers.

**Nominees for the ISBS '92 Elections**  
Please check one person in each category.

**President Elect**  
Lela June Stoner \_\_\_

**Vice President of Publications**  
Bruce Elliot \_\_\_  
Jerry D. Wilkerson \_\_\_

**Vice President of Public Relations**  
Spiros Prassas \_\_\_  
David Waddell \_\_\_

**Vice President of Research and Projects**  
Marino D'Amico \_\_\_  
Larry Noble \_\_\_

**Directors**  
Please check of maximum 9 candidates.

- |                         |           |
|-------------------------|-----------|
| John Cooper ___         | USA       |
| Bruce Elliot ___        | Australia |
| Joe Hamill ___          | USA       |
| Jackie Hudson ___       | USA       |
| Cliff Larkin ___        | USA       |
| Pekka Luhtanen ___      | Finland   |
| Gary Moran ___          | USA       |
| Moirra McPhearson ___   | Canada    |
| Larry Noble ___         | USA       |
| Lars Oddsson ___        | Finland   |
| Spiros Prassas ___      | USA       |
| Attilio Sacripanti ___  | Italy     |
| Miriam Saturn ___       | USA       |
| Petr Susanka ___        | Czechosl  |
| Elfterius Tsrouchas ___ | Greece    |
| Carol Zebas ___         | USA       |

Mail this ballot to:

Dr. Bill Morrison  
Executive Officer  
Centre for Rsrch & Devel  
P.O. Box 64  
Footscray, Victoria  
Australia 3011

**Position:** Vice President of Public Relations

**Term:** Two years (even year)

**Responsibilities:**

- 1) Keep the President informed as to the progress and activities of the Chair.
- 2) Promote ISBS exposure to National bodies in coaching and sport.
- 3) Promote ISBS exposure to International Sport governing bodies, particularly when ISBS is meeting close to important events.
- 4) Promote ISBS exposure to coaching associations.
- 5) Keep a file on the various bodies contacted by the Public Relations office.

**Position:** Vice President of Research and Projects

**Term:** Two years (even year)

**Responsibilities:**

- 1) Keep the President informed as to the activities and progress of the Chair.
- 2) Identify research projects that should be endorsed by the society.
- 3) Coordinate and assist in research efforts of the Society when and where appropriate.

## ISBS Executive Nominees

Nominee: President-Elect

### Resume for Lela June Stoner

Lela June Stoner is a Professor of Kinesiology and Director of the Biomechanics Laboratory at the University of Minnesota (USA), the institution where she completed her M.A. and Ph.D. Her specialization includes, biomechanics, measurement, sports safety and equipment design. In 1992, she begins her 35th year at the U of MN. Since the adoption of a Biomechanic Emphasis in 1980, she has served as advisor to 15 doctoral students and 20 masters students. Nine of those graduate students were international students.

In the area of biomechanics she holds membership in ISBS, ISB, ASB, Kinesiology Academy, Twin Cities Biomechanics Club and the ASTM Standards Committee for safety in sports equipment and facilities as well as other physical education, aquatic and senior citizen organizations at national, state and local levels. She is currently on the Board of Directors for ISBS (third term during ISBS's history) is serving her second term as Chair of the ASTM Committee and is the academic liaison to MELOS (MN Exercise Leaders of Seniors). She has also served as Chair of the Kinesiology Academy of AAHPERD.

She has presented 18 papers related to research in biomechanics at international

meetings (8 at ISBS), 19 papers nationally, and 30 papers to regional and local professional organizations. Of her 30 published papers, she is especially pleased with recent chapters on biomechanics in the arts, the role of skills and rules in prevention of sports injuries, and the role of balance in dance performance. She is currently finalizing a book on Taiji that proposes a figure-eight theory of human movement designed to improve the effectiveness of teachers and coaches in guiding sport, exercise and dance practitioners and move more efficiently.

Nominee: Vice President of Publications

### Resume for Bruce C. Elliott

Bruce Elliott is an Associate Professor and Head of the Department of Human Movement Studies at The University of Western Australia. He received his Ph.D. in biomechanics and anatomy from The University of Western Australia (UWA) in 1977 and has held varying appointments at UWA since 1970. Dr. Elliott has received numerous research grants with his major interest being in sport biomechanics. Dr. Elliott has presented at many national and international conferences including keynote addresses to ISBS (Geoffrey Dyson Memorial Lecture), Melbourne in 1989, the Australian Sports Medicine Federation national conference in 1991, the Australian National Tennis

Seminars in 1988, 1990 and 1992; has delivered invited papers to the US National Tennis Teachers' Conference in 1985; the Olympic Solidarity; Tennis Course in Hong Kong in 1990 and numerous papers at many international conferences. He has published widely at national and international levels including over 100 papers in refereed journals as well as over 40 applied research papers in coaching journals. His professional editorial appointments include review board member for the "Australian Journal of Science and Medicine in Sport", "The Australian Journal of Sport Science" and "Sports Coach".

Dr. Elliott was Scientific Chairman and member of the organizing committee of the XIIIth International Congress of Biomechanics held in Perth Western Australia in December 1991.

Dr. Elliott is the inaugural chairman of the Western Australian Institute of Sport from its inception in 1984 to the present day, and is member Australian Sports Science Council. He has been President of the Australian Council for Health, Physical Education and Recreation (Branch), executive member of the Western Australian Sports Federation, the Western Australian Sports Council, and Western Australian State Tennis selector.

**Nominee: Vice President  
Publications**

**Resume for Jerry D. Wilkinson**  
Assistant Professor, Texas  
Woman's University

**Formal Education:**  
BS Phys Ed, (minor) Health,  
Ohio University, 1966  
MS Physical Education,  
University of Cincinnati, 1969  
PhD Human Performance  
(minors) Computer Science,  
Motor Development, Educational  
Media, Indiana University,  
1978

**Professional Affiliations**  
American Alliance for Health,  
Physical Education, Recreation  
and Dance; National Association  
for Sport and Physical Educa-  
tion; National Association for  
Girl's and Women's Sports  
International Society of Biome-  
chanics; International society of  
Sport Biomechanics; Internatio-  
nal Forceplate Society; Ameri-  
can College of Sports Medicine  
Texas Association of Health,  
Physical Education, Recreation  
and Dance; United States  
Gymnastic Federation.

**Publications**  
30 articles in various journals  
and proceedings including the  
following:  
Research Quarterly for Exercise  
and sport, Journal of Human  
Movement Studies, Journal of  
Physical Education and Recrea-  
tion, Journal of Sports Medicine  
and Physical Fitness, Journal of  
Teaching Physical Education,  
Medicine and Science in Exer-  
cise and Sport, American Cor-  
rective Therapy Journal, Trans-  
actions of American Society of  
Mechanical Engineers, Journal  
of Education Technology Sys-  
tems, Experimental Techniques  
and proceedings of ISB, ISBS,  
Society for Experimental Stress  
Analysis, and American Society  
of Mechanical Engineers.

**Nominee for Vice President of  
Research & Projects**

**Resume of Larry Noble**  
Professor and Head of Kinesio-  
Department at Kansas  
University

**Formal Education**

BS in Phys Ed, Eastern Ken-  
tucky University, 1966  
MS in Phys Ed, U of Maryland,  
1968  
PhD in Phys Ed, U of Texas at  
Austin, 1970

**Professional Affiliations:**

International Society for Bio-  
mechanics in Sports 1985 -  
present (served as coordinator  
for baseball and softball  
research); American Alliance  
for Health, Physical Education,  
Recreation and Dance, 1966 -  
present (Research Consortium  
Fellow, Kinesiology Academy  
Member); International Society  
of Biomechanics 1976 - present

**Publications**

30 articles in various journals  
and proceedings, including the  
following:  
Research Quarterly for Exercise  
and sport, Journal of Human  
Movement Studies, Journal of  
Physical Education and Recrea-  
tion, Journal of Sports Medicine  
and Physical Fitness, Journal of  
Teaching Physical Education,  
Medicine and Science in Exer-  
cise and Sport, American Cor-  
rective Therapy Journal, Trans-  
actions of American Society of  
Mechanical Engineers, Journal  
of Education Technology Sys-  
tems, Experimental Techniques  
and proceedings of ISB, ISBS,  
Society for Experimental Stress  
Analysis, and American Society  
of Mechanical Engineers.

**Primary Research Interests:**

Sport Implement Design, Base-  
ball and Softball Hitting, Youth  
Sports

**Nominee: Vice President of  
Research and Projects**

**Resume for Moreno D'Amico**

Moreno D'Amico was born in  
Pescara, Italy on October 31,  
1961. I received the doctoral

degree in Electronic Enginee-  
ring at the Politecnico of Milan,  
Italy.

Since 1986 I have been a  
research fellow at Centro di  
Bioingegneria (Pro Juventute  
Fnd. and Politecnico of Milan).  
Since 1988 I have been the  
author and co-author of about  
20 papers on Signal Processing  
and Biomechanics. At the  
present time I am studying to  
get a doctoral degree in  
Computer Science.

I am the project leader for the  
constitution of a new Research  
Centre: The Bioengineering  
Centre of Pescara. Since the 1st  
of September 1991 I became the  
Scientific Director of that  
Centre. A complex organism  
that involves a research centre  
on Biomechanics, Bioenginee-  
ring and Biomedical Technolo-  
gy, Rehabilitation; Social  
Service devoted to solve the  
problem of Disabled People and  
based on new technologies and  
Technical Aids; Various Experi-  
mental Clinical Services on the  
Analysis of Scoliosis, Gait  
Analysis, 24 h Blood Pressure  
Analysis.

My present interests concern  
the development of basic algo-  
rithms for movement analysis,  
kinematic data elaboration and  
image processing and the appli-  
cations in clinical rehabilitation  
and sports fields. My research  
activities involve also the study  
of motor co-ordination of basic  
sport movements, functional  
electrostimulation and nonioni-  
sing analysis to evaluate spinal  
deformities.

In 1983 I received a diploma as  
trainer from the Italian Federa-  
tion of Track and Field. I  
presently am a manager of the  
University Track and Field team  
of Milano.

## Position Vacancy

### BIOMECHANIST

Victoria University of  
Technology, Melbourne,  
Victoria, Australia

If you are interested please  
contact Dr. Bill Morrison,  
Executive Officer, Centre for  
Research and Development, PO  
Box 64, Footscray Victoria,  
Australia 3011  
FAX -61-3-687-2089

### BIOMECHANIST

School of Kinesiology, Simon  
Fraser University, Burnaby, BC  
Canada

Open to any sub-area of  
Biomechanics including  
Ergonomics, Human Factors,  
Rehabilitation, Orthopaedic and  
Sports.

Send CV and names of three  
references to A.E. Chapman,  
School of Kinesiology, Simon  
Fraser University, Burnaby, BC  
V5A 1S6, or by fax to (604)  
291-3040 along with covering  
letter indicating the special  
interests and some views on  
potential contribution to  
research and teaching.

## Related Conferences

MAY 23-27, 1992

International Society for Posture and Gait  
Research, Portland, Oregon, U.S.A.

Contact: Posture & Gait Symposium Coordinator  
Good Samaritan Hospital & Medical Centre  
1015 North West 22 N300  
Portland, Oregon, U.S.A., 97201-5198  
Fax: (503) 790-1201

JUNE 15-19, 1992

Xth International Symposium of Biomechanics in  
Sports, Milano, Italy

Contact: R. Rodano  
Centroidi Bioingegneria, Fondazione Pro Juventute  
I.R.C.C.S.  
Politecnico di Milano  
Via Capecelatro 66  
I-20148 Milano, Italy

June 23-26, 1993

**ISBS 1993**

*The XI ISBS Conference will be hosted by Dr.  
Joe Hamil at the University of Massachusetts*

**Telephone: (413) 545-2245**

**Fax: (413) 545-1514**

JUNE 28-JULY 2, 1992

International Society of Electrophysiological Kinesiology (ISEK)  
9th International congress, Florence, Italy

Contact: Secretariat  
C.E.S.P.R.I.  
Fondazione Pro Juventute  
Don Carlo Gnocchi  
Via Imprunetana 124 - 50020 Monte Oriolo  
Florence, Italy  
Telephone: 39-055-208322/208426  
Fax: 39-055-208428

AUGUST 24-28, 1992

North American Conference on Biomechanics (NACOB)  
Chicago, Illinois, U.S.A.

Contact: Dr. Richard Wells  
Department of Kinesiology  
Faculty of Applied Health Sciences  
University of Waterloo, Waterloo,  
Ontario, N2L 3G1  
Telephone: (519) 885-1211, ext. 3069



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