

*International Society of Biomechanics in Sports
Newsletter*

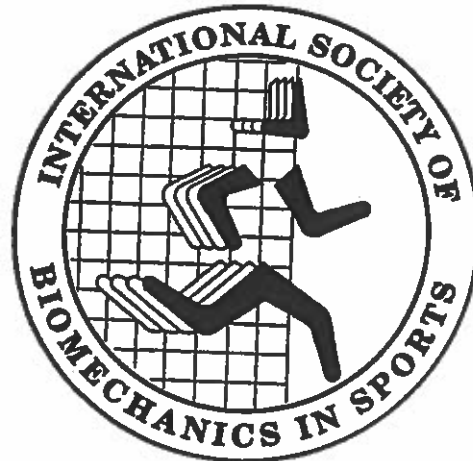


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President's Message: Hans Gros

Dear ISBS members,

Since this is my first 'Presidents Message' I would like to thank the members of the International Society for Biomechanics in Sports for electing me into this demanding and rewarding office. I was one of the founding members of ISBS and have served in a variety of capacities over the past 16 years.

I have always found stimulating discussion, interesting personalities, a very friendly atmosphere and lot's of applied sports biomechanics within ISBS. To me the term *applied* is not derogatory or necessarily inferior in scientific standards. Application of knowledge puts scientific findings to the test in the real world. The criteria are hard: findings must not only be statistically significant - they also have to be relevant and useful.

In my function as President of ISBS I shall attempt to facilitate all activities conducive to our common goals. These goals are written in our constitution and can be printed from the ISBS home page. The home page, together with the Newsletter and individual communication, are your links to ISBS throughout the year. Please check the home page regularly. Here you find the most up-to-date information made available by the Executive, the Board of Directors and the members. New items on the home page and its URL are provided later in this Newsletter. Please report any criticism or suggestions you have - we are constantly updating the information.

To me, our yearly Symposia are a true highlight. In times of increasing numbers of symposia, conferences and meetings and decreasing funds it is quite remarkable that ISBS has been able to organize 15 symposia in consecutive years (and continues to do so). Each meeting has had a unique flair reflective of the hosting country combined with the open and friendly interaction which make ISBS Symposia a special experience. I invite you to join us again in Konstanz, 1998 and Perth, 1999. Details of both these symposia are described in later pages.

Quite a few persons have congratulated me on having been elected as president of ISBS. This, to me, is a great challenge and responsibility to carry on the baton in a relay team of dedicated persons who have served ISBS during the last 15 years. Most notably, I would like to thank again our past president, Renato Rodano. He has worked a lot for the association and gave important directions and added momentum. Also, I'd like to thank the parting Vice Presidents and Directors for their contribution! A president is like an enzyme or a captain, neither can work without the proper infrastructure, environment and support. This is why having a strong and dedicated team to work with makes me truly confident that we will achieve our common goals in the years to come. The two new members of the Executive are Manfred Vieten, Treasurer and Stuart Miller, Secretary General. Together with the proven Vice Presidents, they will form the *working backbone* of ISBS. The Board of Directors will support the Executive. I welcome the new Board members Rodney Barrett, Juergen Krug, and Henrik Sorensen.

Let me conclude with my attempt to translate a quote from Goethe which reflects some of the philosophy of ISBS:

- *It does not suffice to know. Apply your knowledge!*
- *It does not suffice to intend. Do it!*
(Goethe)

Hans J. Gros

Editor's Note: *Hans' profile was featured in the ISBS Newsletter, Volume 13(2), October 1996.*

Past President's Message: Renato Rodano

Although having stepped down as President I hope to be able to continue to serve ISBS with as much enthusiasm in my capacity as Past President. This report will highlight those efforts in relation to developments in the process of cooperation between ISBS and ISB.

First of all I would like to briefly summarise the recent history behind these events. Contact was initiated between Peter Cavanagh (then president of ISB) and myself at the ISB Conference held in Jyväskylä two years ago. Other informal discussions have also been held between myself and other ISB/ISBS members. As a consequence of this interaction, Professor Günter Rau was invited, as a representative of ISB, to attend the 1996 ISBS Symposium held in Madeira, Portugal.

At that time Professor Rau attended the pre-conference meeting of the ISBS Executive where he proposed to organise a joint session at the ISB Conference in Japan, involving selected representatives of the two societies. During discussion within the ISBS Executive pertaining to Professor Rau's proposal, there was a dominant feeling to continue to maintain good relationships with ISB. However, there was no unanimous position to accept the proposal of the joint session in Japan. The most important concern was related to difficulties for an adequate number of ISBS members to be present at the meeting in Japan and to have sufficient relevant information involving the application of sport biomechanics to sport coaching and teaching. Therefore, this proposal was declined.

Despite declining his proposal, the hearty reception Professor Rau received in Madeira, thanks to Joao Abrantes' wonderful efforts as host, was a very positive step in fostering relations between the two societies. It led to ISB officially inviting me, as a representative of ISBS, to attend the ISB meeting held in Tokyo, Japan in August this year. The time in Tokyo was very busy, due to both the many scientific sessions and the discussions that I had with ISB executives, mainly Professor Rau (current ISB president). ISB supported the cost of my registration fees, plus the banquet ticket. I was also invited to attend the Council meeting held at the end of the Congress, to inform the newly elected ISB

Council members about developments in the relationship between ISB and ISBS.

During this meeting I proposed the establishment of a committee to investigate the feasibility of organising a common event under the label of both societies, a somewhat similar concept to that proposed earlier by Professor Rau. To be successful this event must be well prepared, relevant to both societies, and officially sanctioned by the executives of both societies. For example, the event could be in the form of a panel discussion where members of both societies could present relevant information pertaining to a common theme. ISB members could discuss the technical aspects underlying the task at hand whereas the ISBS members could discuss the application of these concepts to sport. It was stressed that the committee should be active in a short time and composed of a relatively small number of individuals, with the possibility of such an event to be included in the program of ISBS '98, to be held in Konstanz next July.

After much discussion within the ISB Council, it was decided to continue the process of developing cooperation between the two societies. Although my proposal of a joint venture in Konstanz was not directly accepted, a small Committee has been established, including both Professor Rau and myself, to *brain storm* initiatives by which both societies can benefit from cooperative ventures. A common proposal outlining these ideas will then be submitted to the councils of each society for approval.

As with any change things progress slowly... slowly but positively. We have now established links between the home pages of the two societies, we have members actively involved in both societies, and we have increased communication between the societies: for example the upcoming Congress and Symposia are mutually reported in the newsletters. These developments should not be viewed in a threatening way or as a stepping stone for ISB to absorb ISBS but rather as a way by which both societies may benefit and grow stronger!

Renato Rodano

Vice Presidents' Reports

VP Awards: Eugene Brown

Awards Committee: Aniko Barabás (Hungary), Barbara Gowitzke (Canada), Renato Rodano (Italy), Cynthia Tant (USA), and Eugene Brown (USA).

A major achievement this year has been development of a poster display documenting the history of the ISBS Awards Committee. This poster was displayed during the Symposium in Denton, where it was extremely well received by all who had the pleasure of viewing it. Extracts from this poster, including a picture gallery of ISBS life members, can be found on the ISBS home page. Click on the Awards section.

To provide you with a little insight as to how the awards structure within the society has developed, an overview of the history of the Awards Committee is provided below:

- The first ISBS Constitution and By-Laws were drafted (John Cooper, Chairperson) and then published in the April, 1986 Newsletter for consideration by the members.
 - Only three vice presidents (VP for Public Relations, VP for Conferences and Meetings, and VP of Projects and Research) were mentioned.
 - Article 2.10.1 of the By-Laws (Organization and Duties) stated that "There shall be an award committee appointed by the President and approved by the Board of Directors. A set of criteria for selection shall be developed by this committee and approved by the Board of Directors."
- The first slate of candidates (Eugene Brown, Peter Francis, Barbara Gowitzke, and Carol Zebas) for the office of Vice President of Public Relations and Awards appeared in the December, 1986 Newsletter.
- At the Board of Directors meeting, held in Halifax, Nova Scotia, Canada on June 26, 1986, Barbara Gowitzke was appointed chairperson of a committee to write criteria for the selection of the Geoffrey Dyson Memorial Lecturer and Elftherios Tsarouchas was authorized to invite the first Dyson Lecturer to 5th ISBS Symposium in Athens, Greece.
- Barbara Gowitzke, School of Physical Education and Athletics at McMaster University was voted the first Vice President of Public Relations and Awards. Beginning in 1987, she served three terms.
- The first Geoffrey Dyson Lecture ("Biomechanical Movement Analysis Regarding the Aspect of Energy Input") by Professor Gerhardt Hochmuth, Research Institute for Physical Culture and Sport, Leipzig, German Democratic Republic was given at the 5th ISBS Symposium (1987) held in Athens, Greece.
- Guidelines for the selection of the Geoffrey Dyson Lecturer were prepared by Barbara Gowitzke and approved at the Annual General Meeting in Athens, Greece. These were printed in the Fall, 1987 Newsletter.
- A proposal for a Young Researcher Award (predecessor to the New Investigator Award) was prepared by Petr Susanka, Charles University, Prague, Czechoslovakia and approved by the ISBS Board of Directors at the Symposium in Athens. This was printed in the Fall, 1987 Newsletter.
- At the Board of Directors meeting held in July, 1988 in Bozeman, Montana, USA, the office of Vice President of Awards and Public Relations was separated into two offices (Vice President for Awards and Vice President for Public Relations).
- The office of Vice President of Awards was included in first approved ISBS Constitution and By-Laws (May, 1989). David Waddell was the primary architect.
- The first Young Researcher Awards were given at the 8th ISBS Symposium held in Prague, Czechoslovakia in July, 1990. Two awards were given, one to Milan Jurdik of the University of Karlova and one to Greg Wilson of the University of Western Australia.
- The name of the Young Investigator Award was changed to New Investigator Award in 1995.

- Three documents (New Investigator Award, Abstract Evaluation Form, and Presentation Evaluation Form) were prepared by Eugene Brown. These were approved by the Board of Directors and used for the first time to evaluate candidates for the New Investigator Award at the 14th ISBS Symposium in Funchal, Madeira, Portugal; June, 1996.

Eugene Brown

**VP Research & Projects:
Larry Noble**

**Solicitation for Participation in
1997-98 ISBS Research Projects**

You are invited to participate in the following 1997-98 ISBS research projects:

1. *The 1997-98 World Gymnastics Research Project (WGRP)*

This project involves the analysis of instrumentation 3D videographic recordings (SVHS, PAL format) of selected acrobatic jumps, difficult vaults, and horizontal bar and uneven bar elements at the 1997 Gymnastics World Championships to be held in Lausanne, Switzerland, August 31 - September 7, 1997. Under the sponsorship of the Institute of Applied Training Science, the FIG and the gymnastics apparatus manufacturer Spieth, a research team coordinated by Juergen Krug will prepare the videotape and associated materials for distribution to those submitting proposals to ISBS which are favourably reviewed. ISBS will solicit and review proposals to do research using these videotapes and related materials. The Institute of Applied Training Science will distribute the videotapes and related materials. Those who are not ISBS members will be charged a \$30 fee to cover the immediate costs of reproducing and distributing the materials.

2. *The 1997-98 USA Women's Softball Hitting Research Project*

This project involves the analysis of instrumentation 3D videographic recordings (SVHS, NTSC format) of members of the 1994 USA Women's Softball Team while hitting several pitched balls during batting practice. Under the sponsorship of the Steadman-Hawkins Sports Medicine Center, a research team coordinated by Sherry Werner will prepare the videotapes and associated materials for distribution to, at no cost, ISBS members submitting acceptable proposals. ISBS will solicit and review proposals to conduct research using these videotapes and related materials. The Steadman-Hawkins Sports Medicine Foundation will distribute the videotapes and related materials. Those who are not ISBS members will be charged a \$30 fee to cover the immediate costs of reproducing and distributing the materials.

These projects are coordinated by: Larry Noble, Vice President for Research and Projects; Juergen Krug, Institut für Angewandte Trainingswissenschaft, Leipzig, Germany; and Sherry Werner, Steadman-Hawkins Sports Medicine Foundation, Vail, Colorado, USA.

Complete descriptions of these projects, including graphics, and application procedures are available on the ISBS home page: The URL is:

<http://www.uni-stuttgart.de/External/isbs/>

They can also be obtained by contacting:

Larry Noble
ISBS VP for Research and Project
Department of Kinesiology
Kansas State University
Manhattan, KS 66506
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Phone: 913-532-6979
e-mail: lnoble@ksu.edu

Larry Noble

VP Publications: Julie Steele

In an attempt to increase variety within the Newsletter we have invited one of our new Board of Directors, Rodney Barrett, to join the editorial team of the ISBS Newsletter. Welcome Rod!

Rod will be hunting through the internet and associated resources in an attempt to seek out those interesting handy hints to assist you in your work with Sport Biomechanics. So if you have a special area of interest that you would like explored in the Newsletter please contact either myself (address below) or Rod on r.barrett@gu.edu.au.

As well as Rod's contribution we are still seeking your input, from both established and newer members! The deadlines for the next Newsletters are highlighted below.

Newsletter Deadlines

Two ISBS Newsletters will be published each year, one in October (Fall/"Down Under" Spring Edition) and one in April (Spring/"Down Under" Fall Edition). Deadlines for the receipt of material will therefore be September 1 and March 1 each year. Note that the deadline for the first edition each year has been moved forward one month to allow inclusion of ballot papers and election material related to election of officers of the ISBS Executive Council and Board of Directors with the Newsletter! Material to this Newsletter can be submitted in any form but please supply your email and/or FAX address with any report so that further information can be obtained from you if

required. Start sending YOUR contributions for the next ISBS Newsletter now to:

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AUSTRALIA
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NEXT DEADLINE: March 1 1998

ISBS Publications

Proceedings of the XIV International Symposium on Biomechanics in Sports, held in Funchal, Madeira, Portugal in 1996, are now available for purchase.

Price: PTE 5,000\$00 (including postal taxes)

From: Faculdade de Motricidade Humana
Serviço de Edições
Estrada da Costa - Cruz Quebrada
1499 Lisboa Codex
PORTUGAL

The Order Form was available at the end of the last Newsletter.

Proceedings of the XV International Symposium on Biomechanics in Sports, held in Denton, Texas in 1997 should be available soon. What this space for further information!

Julie Steele

News: ISBS Board of Directors Meetings

The next ISBS Board of Directors Meetings will be held in conjunction with the XVI ISBS Symposium to be held in Konstanz, Germany. The tentative schedule for the meetings is:

Date	Time	Meeting
Mon 20 July	4.00-6.00 pm	Board
Fri 24 July	5.30-7.30 pm	ISBS AGM
Sat 25 July	TBC	Board

For further details of these meetings please contact Manfred Vieten on:

Manfred.Vieten@uni-konstanz.de

New Members

To introduce new ISBS members to the rest of the society an additional section will be included in each Newsletter. We look forward to meeting these new members at future ISBS symposiums!

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Editor's Note: Are YOUR membership fees up-to-date? If uncertain, contact Manfred Vieten now!

Rod's Tips: Interesting Web Sites to Visit!

To save you time *surfing the web* for relevant information, each Newsletter we will include tips on interesting sites to visit. To access the sites with a minimum of fuss contact Rod's Exercise Science home page and select sites from the Biomechanics Section. Sites can also be selected from the Instrumentation & Technical, Computing, and Exercise Science & Sport Physiotherapy Sections. The URL is:

<http://www.nhs.gu.edu.au/contents.htm>

Those sites that prove useful to the membership will then be linked directly to the ISBS home page. So let us know what is of relevance to you or suggest sites that we can link other members to.

Today's Tip:

Why not visit the Australian Sport WWW (Australian Sports Commission). Click on the appropriate box from the Exercise Science and Sport Physiotherapy section. Read about the Australian Institute of Sport and their Sports Sciences division. Learn how to access publications and resources from the National Sports Information Centre including international document delivery and access to their library of over 3000 sports video tapes! Visit their suggested sites on *What's New and What's Hot!* This site may not all be specific to biomechanics but it provides an excellent overview of factors related to sport in Australia!

From the Treasurer: Manfred Vieten

There are a few changes concerning ISBS membership.

1. Becoming a member of ISBS has been made even easier. Just sign up on the internet. Log onto the ISBS home page (<http://www.uni-stuttgart.de/External/isbs/>) and look for membership.
2. Full ISBS membership no longer includes a subscription of the Journal of Applied Biomechanics. The full membership fee is only US\$ 20.00 and students membership is US\$ 10.00.
3. From now on you have three different ways to pay your membership dues:
 - Send a cheque in US\$ drawn on a US Bank and made payable to the International Society of Biomechanics in Sports.

- Send a Euro-cheque in DM (German Marks) equivalent to the Dollar amount made payable to the International Society of Biomechanics in Sports.
- Send your credit card data (Visa or MasterCard/EuroCard or Diners). The equivalent of US\$20 / 10 will be deducted in German Marks. This is necessary because Dollar handling would be too expensive.

At the end of the year you will receive a form (see below) which shows your membership data including your payment status. You are requested to fill in the form, choose your method of payment and send it back to the treasurer. This will take care of the payment and of possible changes in your membership data. The form with your personal data will look like as follows:

From the treasurer of ISBS

Dr. Manfred M. Vieten
University of Konstanz
FG Sportwissenschaft
Universitaetsstrasse 10
78464 Konstanz
Germany



Tel: +49-7531-88-3565, Fax: +49-7531-88-3026, E-Mail: Manfred.Vieten@uni-konstanz.de
<http://www.uni-stuttgart.de/External/isbs/>

ISBS Membership Fees

Please complete and return this form to the treasurer by ordinary mail. For your convenience the return address is printed on the back of this sheet. The full ordinary membership fee is US\$ 20.— (DM 36.50) and the student membership fee is US\$ 10.— (DM 18.25). Please note that you are requested to pay either in US Dollars or in DM (German Marks). Please select your preferred method of payment in the following page.

Your membership data:

	Personal data:	Please complete or correct:
Title:	Dr.	
First Name:	Hans	
Middle Name:		
Surname:	Gros	
E-mail:	hans.gros@sport.uni-stuttgart.de	
Tel.:	(0711) 6853-177	() () () (country code) (area code) (tel number)
Fax.:	(0711) 6853-165	() () () (country code) (area code) (fax number)
University/ Institution:	Universität Stuttgart	
Department:	Institut für Sportwissenschaft	
P.O. Box:		
Street:	Allmandring	
Number:	28	
Postal Code:	70569	
City:	Stuttgart	
Country:	Germany	
Membership Status	Full Member	

According to our database you are a **Full Member** and paid membership fees for the year(s) 1997. Please inform the treasurer if this is incorrect.

Kindly note the changed modality of membership. Full ISBS membership no longer includes a subscription to the **Journal of Applied Biomechanics**.

For the payment action see next page.

Please return by mail to the following address:

University of Konstanz
FG Sportwissenschaft
Dr. Manfred Vieten
Universitaetsstrasse 10
78464 Konstanz
Germany

Hans Gros's payment action for the following years (please indicate

<input type="checkbox"/>	1997	already paid			
<input type="checkbox"/>	1998	US\$ 20 (students 10)	or	DM 36.50 (students 18.25)	
<input type="checkbox"/>	1999	US\$ 20 (students 10)	or	DM 36.50 (students 18.25)	
<input type="checkbox"/>	2000	US\$ 20 (students 10)	or	DM 36.50 (students 18.25)	
Sum	US\$		or	DM	

I enclose a cheque/money order for US\$ _____ drawn on a US Bank and made payable to the **International Society of Biomechanics in Sports**.

OR

I enclose a Euro-cheque for DM _____ made payable to the **International Society of Biomechanics in Sports**.

OR

Charge DM _____ to my (please indicate

Visa MasterCard/EuroCard Diners Club International

Card Number:

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valid thru: ____/____

Signature _____ Date _____

P.S.: Indicate in the following check box if you need a receipt: **Please send me an additional receipt.**

ISBS Executive Council Directory

Following the elections in April the ISBS Executive Council has changed. The current members of the ISBS Executive Council and their contact information are listed below. Please feel free to contact any member of the Executive if you wish to discuss matters relevant to ISBS.

President:

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Past President:

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Vice President Awards:

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**ISBS Profiles:
Get to Know Your ISBS Award Winners**

As a change from the profiles of ISBS Executive Council and Board of Directors that have appeared in the past two Newsletters, in this issue past winners of ISBS awards have been included in recognition of their achievements within ISBS. Thanks must be extended to Eugene Brown for compiling these lists as part of the history of the ISBS Awards Committee.

Geoffrey Dyson Lecturers

Year	Recipient and Institution	Site of Ceremony	Title of Presentation
1987	Prof. Gerhardt Hochmuth Research Institute for Physical Culture and Sport, Leipzig, GDR	Athens, Greece	Biomechanical Movement Analysis Regarding the Aspect of Energy Input
1988	Dr. Marlene Adrian University of Illinois at Urbana- Champaign, USA	Bozeman, MT, U.S.A.	Quasars and Quintessence
1989	Dr. Bruce Elliott University of Western Australia	Melbourne, Australia	Biomechanics: Its Role in Sports Performance
1990	None awarded	Prague, Czechoslovakia	
1991	Dr. Elizabeth Roberts University of Wisconsin, Madison, Wisconsin, USA	Ames, IA, U.S.A.	Tracking Velocity in Motion
1992	Prof. Vladimir Zatsiorsky Central Institute of Physical Culture, Moscow, Russia and Pennsylvania State University, USA	Milano, Italy	Biomechanical Basis of Strength Training
1993	Dr. Doris I. Miller University of Western Ontario, Canada	Amherst, MA, U.S.A.	The Challenge of Communicating with Coaches by Computer
1994	Prof. Gert-Peter Bruggemann Institute for Athletics and Gymnastics, German Sport University, Cologne, Germany	Siofok, Hungary	Biomechanical Considerations on Jumping in Sports - An Approach to a Fundamental Understanding
1995	Dr. Patrick J. Bishop University of Waterloo, Ontario, Canada	Thunder Bay, Canada	Biomechanics of Cervical Quadriplegia. A Review
1996	Dr. David A. Winter University of Waterloo, Ontario, Canada	Funchal, Madeira, Portugal	Total Body Kinetics: Our Diagnostic Key to Human Movement
1997	Dr. Pekka Luhtanen Research Institute for Olympic Sports, University of Jyvaskyla, Finland	Denton, TX, U.S.A.	How Biomechanics Research Can Help the Coach

New Investigator (Young Researcher) Award Recipients

Year	Recipient and Institution	Site of Ceremony	Title of Presentation
1990	Milan Jurdik University of Karlova, Prague, Czechoslovakia and Greg Wilson University of Western Australia	Prague, Czechoslovakia	Biomechanical Analysis of the Horizontal Jumps Maximizing the Use of Elastic Energy in a Stretch Shorten Cycle Movement
1991	None awarded	Ames, IA, U.S.A.	
1992	Nigel Stockill Crewe-Alsager College of Higher Education, UK	Milano, Italy	A Three Dimensional Cinematographical Analysis of the Techniques of International and English Country Cricket Fast Bowlers
1993	Mark Walsh California State University, Northridge, USA and Brian Caster University of Oregon, USA	Amherst, MA, U.S.A.	Kinematics of the Pole Vault Approach The Effect of Height and Post-Landing Movement Task on Landing Performance
1994	Marco Caffi Politecnico di Milano, D.S.T.M., Milano, Italy	Siofok, Hungary	Balls mathematical models and mechanical tests
1995	Calvin Morriss	Thunder Bay, Canada	The Biomechanics of Elite Javelin Throwing Technique
1996	Laurie Malone University of Alberta, Canada	Funchal, Madeira, Portugal	The Effects of Wrist Restraints on Wheeling Biomechanics
1997	Sang Yeon Woo Seoul National University Seoul, Korea	Denton, TX, U.S.A.	A Three Dimensional Analysis of the Windmill Style of Softball Delivery for Fast and Change-Up Pitching

ISBS Fellows

Year	Recipient	Institution
1989	Dr. John Cooper	University of Indiana
1989	Dr. Ruth B. Glassow	University of Wisconsin
1997	Dr. Juris Terauds	Colorado State University

ISBS Life Members

Year	Recipient	Institution
1989	Dr. Juris Terauds	Colorado State University
1997	Dr. David Kelley	University of Maryland
1997	Dr. John Ostarello	California State University Hayward
1997	Dr. David Waddell	Bryson Sport Consultants, Canada

1998 ISBS Symposium

The XVI Symposium of ISBS is to be held in Konstanz, Germany from July 21-25. The Symposium is to be hosted by the University of Konstanz, Department of Sports Science, Lehrstuhl Riehle. The First Announcement and Call for Papers for the XVI Symposium of ISBS has been sent to over 3,000 potential participants via hard copy and to another 2,500 via email. What a great effort! For those of you who may have been missed in this massive mail out, a copy of the announcement is included at the end of this Newsletter. Copies are also available from the internet on:

<http://www.isbs98.uni-konstanz.de/1anno.pdf>

Invited speakers for the Symposium currently include:

- *Lifting Performance in Aquatic Sports*, Ross Sanders, Edith Cowan University, Western Australia.
- *Computer Simulation and Sports Biomechanics*, Fred Yeadon, Loughborough University, U.K.
- *Measurement and Evaluation of Loads on the Human Body during Sports Activities*, Ewald Hennig, Universitaet GH Essen, Germany.
- *Biomechanics of the Musculo-Skeletal System*, Guan-Liang Chang, National Cheng Kung University, Taiwan

- *Inertial and Vibrational Characteristics of Softball and Baseball Bats: Research and Design Implications*, Larry Noble, Kansas State University, USA.

If you are interested in receiving further information about the Symposium, add your name to the Symposium mailing list on the Symposium home page:

<http://www.ISBS98.uni-konstanz.de>

Other topics on the home page include:

- Welcome
- Symposium
- Topics
- Conference Outline
- Invited Speakers
- Scientific Committee
- Call for Papers
- Important Dates/Deadlines
- Accommodation
- Activities
- Konstanz, Germany
- New Investigator Award
- Print the First Announcement
- Add to Our Mailing List to receive the SECOND ANNOUNCEMENT

Information on the home page is constantly being updated so keep on eye on it!

See you in Konstanz.

ISBS Down Under: 1999 Symposium - Perth!

I know that July 1999 seems a long way off but you should start planning your Aussie experience now. On behalf of the organising committee of the XVII ISBS Symposium I warmly beckon you to this unique part of the world. I can guarantee you'll have a memorable time in Perth and perhaps you'll take some time to explore the natural wonders of Western Australia.

The committee is arranging some excellent keynote speakers for the scientific and applied coaching sessions. Each speaker is partly responsible for the quality of their session and will be encouraging participation of eminent peers in their area of expertise. A list of these speakers, together with a tentative schedule is available on the Symposium's home page which can be accessed through the ISBS home page. Just click on *Conferences* and then select *Symposium XVII - 1999 - Perth, Australia*. The First Circular has also been mailed with this Newsletter for you to peruse. We are confident that this conference will continue the upward trend in quality of the ISBS Symposia.

What can you do to help? You can do two main things for your society. First, organise yourself to attend the conference. Second, spread the word to others. These may include sports biomechanists, coaches, postgraduate students, and keen undergraduate students. Encourage anybody who can contribute to, or benefit from, a conference designed to disseminate useful information to scientists and practitioners of sport biomechanics.

Isn't Perth a long way and expensive to get there? Well, I have been told that Perth is the most isolated city in the world. So, on average, airline fares may be a bit more expensive. However, Qantas is an official sponsor and is offering special prices for conference delegates. Before you book on your usual airline, check the Qantas price. Details of how to do this will be available soon. Hillary's Resort and Underwater World are also official sponsors of the Symposium so you can enjoy a luxurious resort environment for an incredibly low cost.

You may wish to consider making a unique holiday of your trip. We have an official ISBS99 Tourist agent who can assist with planning trips to some of the many attractions of Western Australia. Why not add a week or two to your trip and have a holiday?

We are working hard on social activities that will give you a taste of Australia - from the Perth night-life to the scenic pleasures of the Australian bush, coastline, and unique animals. Having been an 'accompanying person' herself, my wife Lesley is determined that accompanying persons will have a fulfilled experience.

Stay tuned for more news on the 99 Symposium in subsequent newsletters. Remember, start planning now.

Ross Sanders
ISBS99 Convenor

Visit the ISBS Home Page

Have you visited the ISBS home page recently located under the URL:

<http://www.uni-stuttgart.de/External/isbs/>

New items include the Gymnastics and Softball research projects coordinated by Juergen Krug and Larry Noble, an on-line membership form, an illustrative and interesting awards section maintained by Eugene Brown and a search tool to browse the

ISBS Proceedings from past conferences. ISBS has exchanged links with other Societies and institutions.

At present the following information and services available are:

1. A membership application form.
2. Addresses, phone, fax and e-mail numbers of all ISBS officers. Contact each officer with a simple mouse click.

3. The minutes of the AGM, 1996, Funchal, Madeira.
4. Constitution and By-Laws of ISBS.
5. A copy of Newsletters.
6. All past conference sites are given with links to the home pages of upcoming ISBS conferences.
7. Research projects facilitated by ISBS.
8. Links to the Biomechanics World Wide, the home page of ISB, the American and European Societies of Biomechanics and the Sportsmedicine web site. Here you find a wealth of interesting information related to sport!

So now you can keep in touch with what your Society has been up to on a regular basis! Thanks are extended to Hans Gros and Manfred Vieten for setting up and maintaining this site!

However, the quality and development of the ISBS home page depends on the feedback and contributions of the membership. So, please send your comments, criticism, suggestions and contributions to Hans or Manfred.

ISBS Board of Directors

The following people were elected to serve your interests on the ISBS Board of Directors:

1997-1999

Rodney Barrett	Australia
Tony Bauer	Canada
Jürgen Krug	Germany
Wayne Marino	Canada
Bruce Mason	Australia
Spiros Prassas	USA
Ross Sanders	Australia
Henrik Sorensen	Canada
Dany Too	USA
Frantisek Vaverka	Czech Republic
David Waddell	Canada

1996-1998

Gideon Ariel	USA
Barbara Gowitzke	Canada
Jackie Hudson	USA
Patria Hume	New Zealand
Ellen Kreighbaum	USA
Pekka Luhtanen	Finland
Miriam Satern	USA
Rene Therrien	Canada
Jerry Wilkerson	USA

Contact details for each Board member is listed on the ISBS home page.

Spare Space?

*Why not advertise here to those interested in Sports Biomechanics?
Contact the editor (Julie Steele) for further details!*

ISBS Membership Application Form

From the treasurer of ISBS

Dr. Manfred M. Vieten
 University of Konstanz
 FG Sportwissenschaft
 Universitaetsstrasse 10
 78464 Konstanz
 Germany



Tel: +49-7531-88-3565; Fax: +49-7531-88-3026; E-Mail: Manfred.Vieten@uni-konstanz.de
<http://www.uni-stuttgart.de/External/isbs/>

ISBS Membership Fees

Please complete and return this form to the treasurer by ordinary mail. For your convenience the return address is printed on the back of this sheet. The full ordinary membership fee is US\$ 20.— (DM 36.50) and the student membership fee is US\$ 10.— (DM 18.25). Please note that you are requested to pay either in US Dollars or in DM (German Marks). Please select your preferred method of payment in the following page.

Your membership data:

	Personal data:	Please complete or correct:
Title:		
First Name:		
Middle Name:		
Surname:		
E-mail:		
Tel.:		() () () <small>(country code) (area code) (tel number)</small>
Fax.:		() () () <small>(country code) (area code) (fax number)</small>
University/ Institution:		
Department:		
P.O. Box:		
Street:		
Number:		
Postal Code:		
City:		
Country:		
Membership Status		

According to our database you are a _____ and paid membership fees for the year(s) _____. Please inform the treasurer if this is incorrect.

Kindly note the changed modality of membership. Full ISBS membership no longer includes a subscription to the *Journal of Applied Biomechanics*.

For the payment action see next page.

Please return by mail to the following address:

**University of Konstanz
FG Sportwissenschaft
Dr. Manfred Vieten
Universitaetsstrasse 10
78464 Konstanz
Germany**

Your payment action for the following years (please indicate

1997

1998 US\$ 20 (students 10) or DM 36.50 (students 18.25)

1999 US\$ 20 (students 10) or DM 36.50 (students 18.25)

2000 US\$ 20 (students 10) or DM 36.50 (students 18.25)

Sum US\$ or DM

I enclose a cheque/money order for US\$ _____ drawn on a US Bank and made payable to the **International Society of Biomechanics in Sports**.

OR

I enclose a Euro-cheque for DM _____ made payable to the **International Society of Biomechanics in Sports**.

OR

Charge DM _____ to my (please indicate

Visa

MasterCard/EuroCard

Diners Club International

Card Number:

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valid thru: ____/____

Signature _____ Date _____

P.S.: Indicate in the following check box if you need a receipt: Please send me an additional receipt.

**ISBS'98
Preliminary Registration Form**

To receive the Second Announcement with detailed information on registration, conference schedule and program, travel and accommodations, please register via our home page* (preferred) or complete this form and return it to the Symposium Office, not later than November 1, 1997.

Title: OProf. ODr. OMr. OMs.
First Name: _____
Middle Name: _____
Surname: _____
E-Mail: _____
Tel: (____)(____)(____)(____)
Fax: (____)(____)(____)(____) (tel/fax number)

University/Institution: _____
Department: _____
P.O. Box: _____
Street: _____
Number: _____
Postal Code: _____
City: _____
State: _____
Country: _____

*symposium home page:
<http://www.isbs98.uni-konstanz.de>

Xcb

Registration

Full registration fee is approximately DM 300 (German Mark, 1 US\$ ≈ DM 1.70). The fee will cover welcoming reception, information packet, name badge, admission to all scientific sessions and exhibitions, coffee breaks/dinners at the Symposium, and a day-long boat excursion on Lake Constance, but not the banquet.

Symposium Venue

The Symposium will be held on the campus of the University of Konstanz, Konstanz, Germany. The campus is located on a hill overlooking the city and Lake Constance with a panoramic view of the Alps. It can be reached from downtown by public buses (in 20 minutes). A bus leaves from Konstanz at the University every 15 minutes. Konstanz is a university/tourist town with several electronics and pharmaceutical firms, and a population of approximately 76,000. It is located within hours of such major cities as Zurich, Switzerland (60 km), Stuttgart (180km) and Munich (210 km). Summer temperatures as high as 28° C (80° F) are common, but rain and cooler weather is also possible.

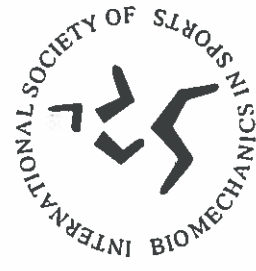
Accommodation and Travel Information

We have reserved rooms in hotels and dormitories either downtown or close to the campus. The prices range from DM 40 to DM 200 per person/per night. Participants arriving by airplane are requested to choose Zurich, as it is the nearest international airport. Trains to Konstanz leave the airport hourly. In addition, we will provide a shuttle-bus from the Zurich airport on July 20 + 21 and to the airport on July 26 + 27.

**FIRST ANNOUNCEMENT
and
Call for Papers**

**XVI Symposium of the International
Society of
Biomechanics in Sports**

ISBS'98



**University of Konstanz,
Konstanz, Germany
July 21-25, 1998**

**University of Konstanz
FG Sportwissenschaft
ISBS '98 Sekretariat
P. O. Box 5560 D30
D - 78457 Konstanz / Germany**

E-mail: ISBS98@uni-konstanz.de
URL: <http://www.isbs98.uni-konstanz.de>
Tel.: +49-7531-88-3565
Fax: +49-7531-88-4221

Introduction

You are invited to the 16th annual symposium of the International Society of Biomechanics in Sports - the only International Society exclusively dedicated to Biomechanics in Sports.

Symposium Topics

1. Pure and Applied Sports Biomechanics
2. Modelling, Simulation, Optimization in Sports Biomechanics
3. Applied Methods and Instrumentation
4. Biomechanics of the Musculo-Skeletal System
5. Biomechanics of Training and Sports Equipment
6. Biomechanics of Injuries, Orthopedics and Rehabilitation in Sports

Invited Speakers

Each topic will be introduced with a 45-minute lecture. The selected speakers' names will appear in the *Second Announcement* and the *Symposium Home Page*.

Scientific Committee

The names of members selected for the international Scientific Committee will appear in the *Second Announcement* and the *Symposium Home Page*.

Language

The official language of the Symposium will be English.

Local Organizing Committee

Hartmut Fiehle
Manfred Vieten
Reiner Fritsch

Call for Papers

Scientific papers are recommended for oral and poster presentation. Authors must submit a one page abstract to the Symposium Office not later than February 15, 1998. Detailed guidelines for the preparation of abstracts are as follows. All abstracts are subject to review by the Scientific Committee. After acceptance, the author will be asked to prepare a full length paper not more than 4 pages in length. Detailed guidelines for the full length paper can be found in the *Second Announcement* and the *Symposium Home Page*.

Guideline for Abstract Preparation

The abstract must be printed in English on white bond paper and must fit into a space 13 cm wide and 20 cm high. A 3.5" diskette should be sent, containing the abstract either in WORD or in WORDPERFECT format. Please label the diskette, giving your name, abstract title, and indicating the text format. Use *Arial* size 10 with normal character spacing and single line spacing. Use one or two lines to write the **TITLE** in **CAPITAL BOLD LETTERS**. Skip one line and type author(s) name(s) (first and surname(s)). On the next line give affiliation(s). Skip one line and list up to six keywords describing your paper (e.g.: kinematography, gymnastics, energy, simulation). Skip another line. Your abstract should have the following structure: **INTRODUCTION** (which must clearly state the objectives of your study), **METHODS**, **RESULTS**, **CONCLUSIONS**, **REFERENCES** (optional).

Important Dates/Deadlines

Abstract Submission: February 15, 1998
Notification of Acceptance: March 20, 1998
Full Paper Submission: May 15, 1998
Early Registration: May 15, 1998
Symposium: July 21 - 25, 1998

Postage
required

University of Konstanz
FG Sportwissenschaft
ISBS Secretariat
P. O. Box 5560 D30

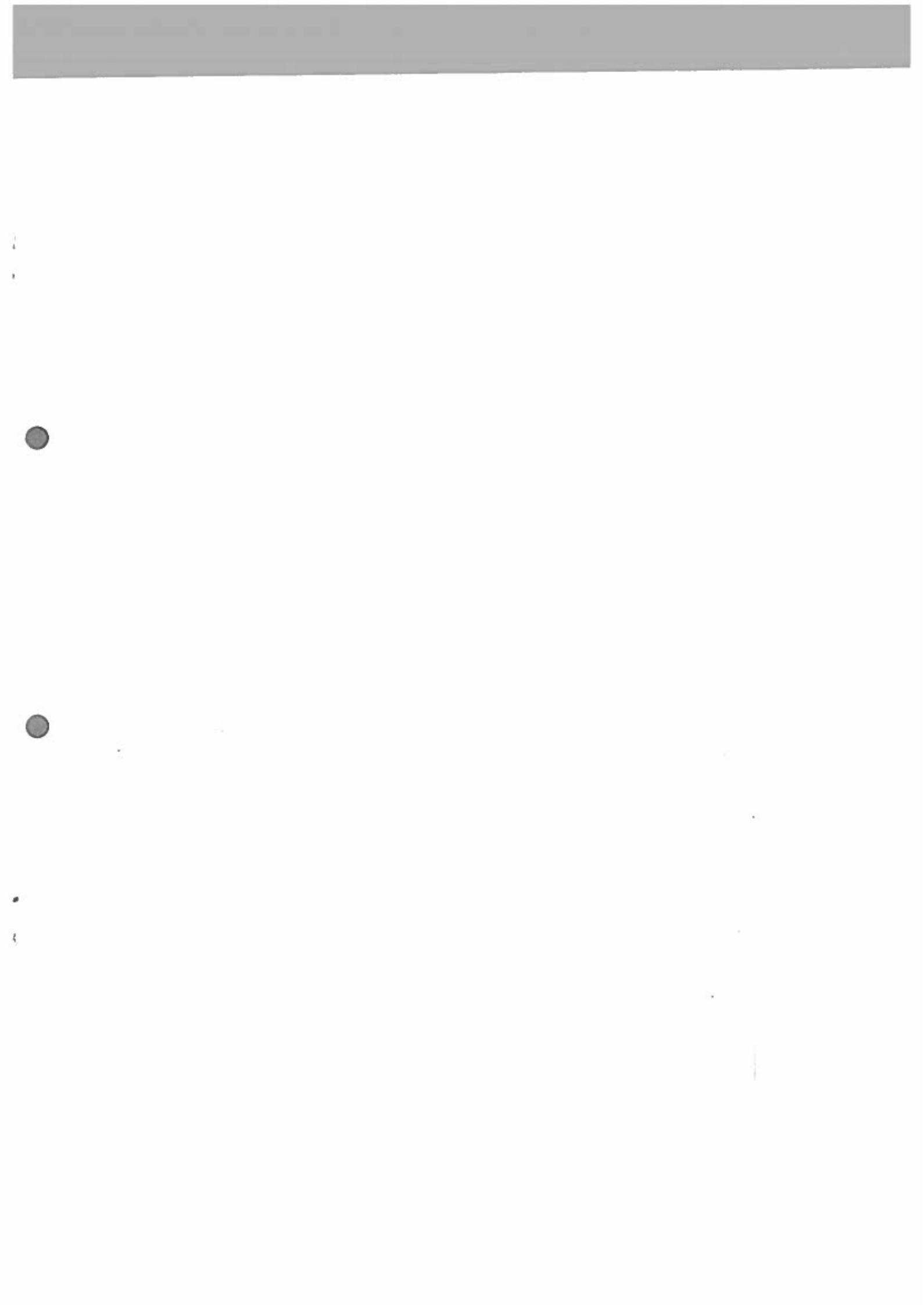
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Germany



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