

European Journal of Underwater and Hyperbaric Medicine



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DISCLAIMER:

All opinions expressed are given in good faith and in all cases represent the views of the writer and are not necessarily representative of the policy of the EUBS.

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EDITOR'S COLUMN

Dear Readers!

With this issue the European Journal of Underwater and Hyperbaric Medicine has now completed its first 3 volumes, a good time to review the idea of a European Journal besides 2 already existing journals in the field.

The Undersea and Hyperbaric Medicine Journal, published by the UHMS, has seen a very difficult time when they have not been able to bring out the 4 issues in time and they are still behind schedule. After some amendments initiated by the Executive Committee of the UHMS and a change in the Editor (Claude Piantadosi from Durham, North Carolina, is now responsible) this should all be corrected and one can expect that the UHM Journal will soon catch up with the normal schedule.

The SPUMS Journal has seen some changes too with the retirement of John Knight as the Editor. Mike Davis from Christchurch, New Zealand, has stepped into John's shoes and we are looking forward to continue the excellent relationship between the publications of our two Societies. From here my best wishes to Mike for his new task!

The Financial Report presented to the General Assembly of the EUBS this year (page 107) shows a deficit of £ 3,375.54 which was thought to be mainly due to the Society's Journal. Although the members present at the General Assembly estimated that the quality of the Journal is worth the deficit this presentation can not pass without a comment from the Editor.

For the 4 issues in 2001 the Journal expenses were almost £ 5325, which is £ 1325 above the annual budget for the Newsletter and Journal. This is quite a lot, but could indeed be justified by the quality of the Journal. However, the figures presented in the financial report do not tell anything about the background of this overdrawing of the budget. This has been mainly caused by the necessity to publish the abstracts of the Annual Scientific Meeting in the Journal of the Society, plus some additional charges for mailing the 2001 Membership Directory together with the Journal.

The Editorial Board of the Journal had decided to keep the expenses as low as possible for the 4 issues the membership is entitled to receive,

by not producing a supplement issue for the Program and Abstracts of the meeting. This way all members have access to the abstracts with their regular copy of the Journal. If we would run a supplement issue just with the abstracts and have the Annual Scientific Meeting pay for the printing and mailing of that issue, it would certainly show that the Journal is not putting any stress on the finances of the Society.

A number of members present at the General Assembly were also concerned by the fact that the Society is not growing. This reflects a general feeling of all members according to the Minutes of the General Assembly (pages 105-106). Actually I have the feeling that the Society is growing, when only in very small amounts.

When I took over the Editorial task in 1999, the membership database I received showed 425 members, but according to the books at that time only some 270 had paid their membership dues, which reflected a typical process happening to any scientific society in a time when people were considering the reduction of their debts. After a revision the membership database now shows 335 members, of whom some 214 have paid their dues in 2001. *This is an increase of 0.5% in the ratio of paid to not paying members!* Now being serious again, this year we could add at least 30 new members to our database, mainly through the Annual Scientific Meeting, but also through the distribution of the Journal, while losing only a few during the course of this year. I remain confident that with the increasing quality of the Journal the membership will increase spontaneously, although I strongly support the measures suggested by the General Assembly to increase the number of new members.

We have not heard any news about the proposed World Federation of Baromedical Societies since the topic was discussed here a year ago. Probably the UHMS has more urgent topics for daily business than the World Federation. From SPUMS we have heard that they are standing by waiting for further developments before making any decisions. Meanwhile the EUBS as a group of individuals should continue with the unification of the different existing European bodies.

With my best wishes for a peaceful Holiday Season, a Merry Christmas and a wonderful start into the New Year, truly yours

Peter

PRESIDENT'S NOTE

Dear Friends,

Another EUBS conference has passed, I was pleased to see that the participation was good both for the scientific sessions as well as the administrative meetings.

Congratulations are due to Peter Germonpre, Costantino Balestra and their teams for a job well done. The scientific sessions went without a hitch and for this we can thank the various chairmen for keeping everyone on time.

The lunches based on filled bread rolls was not to everyone's liking but then it is difficult to please everyone and those who were busy during part or all of the time allotted to lunch at least managed to grab something to eat.

The social part permitted us to see a bit of what Brugge has to offer, its history, architecture and people. Many also developed a taste for beer during their stay!

As you will be able to see from the minutes of the Annual General Meeting a number of important topics were discussed. The most important of which is the need to raise the membership fee slightly in order to counteract the rising costs due to inflation and the upgrading of this journal.

The General Meeting also gave your Executive Committee the responsibility to continue working towards the strengthening of the ties between the three European bodies active in Baromedicine and towards the eventual creation of an International Federation of Baromedical Societies.

This is my final year as your President and I will be followed by Dr Bitterman, the present Vice-President of our society. This means that this year you will be asked to vote for a new Vice-President to replace Dr Bitterman and I ask you from now to nominate any person you believe is capable and willing to lead this society in 4 years time.

As this is the last issue of this year, permit me to wish you all the best for the coming festive season and that the coming new year will be full of promise for all of us

**Ramiro Cali-Corleo,
President**

ANNUAL MEETING 2003

**29th Annual Scientific Meeting of the
European Underwater and Baromedical
Society on Diving and Hyperbaric
Medicine.**

August 27th – 31st, 2003

**The Panum Institute
Copenhagen, Denmark**

**Organised by EUBS in collaboration
with:**

**Department of Anaesthesiology,
Center of Hyperbaric Medicine,
Rigshospitalet, Copenhagen
Department of Medical Physiology,
University of Copenhagen,
The Panum Institute
DAN Europe Skandinavien
Conventum Congress Service**

Organising Committee:

- Jonas Hink, MD
- Ole Hyldegaard, MD, Ph.D.
- Erik Jansen, MD, DMSc
- Joop Madsen, MD, DMSc
- Christian Risby Mortensen, MD

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Chairman of Scientific Committee:

- Chief Doctor of the Hyperbaric Treatment
Center of Rigshospitalet Erik C. Jansen,
MD, DMSc

Members of the Scientific Committee:

- Peter Germonpré, Belgium
- Martin R. Hamilton-Farrell, England
- Folke Lind, Sweden
- Alessandro Marroni, Italy
- Jean Louis Meliet, France
- Peter Müller, Germany
- Juha Ninikoski, Finland
- Jan Risberg, Norway
- Jörg Schmutz, Switzerland
- Zdzislaw Sisko, Poland
- Einar Thorsen, Norway
- Hans Örnhagen, Sweden

**COPENHAGEN: Host City of the 29th Annual
Scientific Meeting of the European
Underwater and Biomedical Society**

It is with great pleasure that the organising committee of the 2003 EUBS meeting welcomes you in Copenhagen, Denmark. Copenhagen, the capital of Denmark, is a charming city, more than 800 years old.

Although there is evidence of settlements some 6000 years ago the first written documentation of the city is found year 1043 a.c. Saxo Grammaticus Gesta Danorum (the Deeds of the Danes) is the main source of early Danish history. Grammaticus calls Copenhagen the Traders Port (København in Danish) and tells how king Valdemar gave control of the town to Bishop Absalon in the late 1150s. Bishop Absalon is the man who can claim to be the founding father of Copenhagen.

Absalon was charged with building a fortress at Copenhagen from which to repel Wendish pirates who for many years had been ransacking the coasts of Denmark. Absalon used his victory as a launch pad for what later became know as "Denmark's Baltic Empire".

Today, Copenhagen is a charming city with more than 1 million inhabitants. It is considered a friendly, clean and safe city combining the facilities of a modern European capital with an intimate and very relaxed atmosphere. You will find that everything is within walking distance. You will feel very much at home in Copenhagen with its canals, narrow streets, old houses and quiet charm. The city offers you a variety of historical castles and buildings, the famous Tivoli Garden, an extensive nightlife with restaurants, pubs, live music venues and a multi-faceted shopping centre including the

traditional world famous, handmade Royal Danish Porcelain to the latest novelties within Danish design.

This year's scientific meeting will also contain a combined scientific and cultural seminar/tour to the world famous museum of modern art – Louisiana situated just north of Copenhagen and close to the sea. The scientific committee has also launched 4 subjects where we will have a competition and a premium for the best speaker and best poster presentation. The awarded speakers and posters will receive a 5.000,00 d.kr price (700, - Euro). The subjects for the awarded presentations will be 1. Markers in HBO treatment, 2. Recreational and/or technical diving, 3. Standards on Fitness to dive and 4. Effects of HBO treatment.

We remain convinced that we have planed for you a nice setting for next years EUBS meeting and look forward to welcome you all in Copenhagen 2003. On behalf of the organising committee!

Yours Sincerely,
Ole Hyldegaard, MD, Ph.D.
**Secretary General of the EUBS 2003
meeting**

OTHER MEETINGS

High Pressure Biology Group

First announcement of the VIII International Meeting on High Pressure Biology
June 2-5, 2003, Moscow, Russia

Preliminary registration forms return by January 15, 2003 to Institute of Biomedical Problems, RAS Khoroshevskoye Shosse, 76A, 123007 Moscow, Russia, Fax 7-95-195-22-53
E-mail: buravkova@imbp.ru

Website: www.imbp.ru

Meeting Executive Committee

Anatoly I. Grigor'ev (Russia)
Ludmila B. Buravkova (Russia)
Peter B. Bennett (USA)
Jean-Jacques Risso (France)
Ivan T. Demchenko (Russia/USA)

Supported by

COPRIS GmbH, Berlin
Council of Biological Sciences, Russian Academy of Sciences
Department of Life Sciences, Ministry of Science and Technology of Russian Federation

Work and Survival in the Arctic Environment

Ny-Ålesund, Spitsbergen
March 27 – April 3, 2003
Optional skiing trip
April 4 – 7, 2003

Course Directors and Organization

The course will be directed by:

- Alf O. Brubakk, MD, PhD. Professor of Environmental Physiology, Norwegian University of Science and Technology, Trondheim, Norway.
- Bård Holand, MSc (Engineering). Professor of Cybernetics, Norwegian University of Science and Technology, Trondheim Norway. Senior Engineer Thelma AS.
- Michael A. Lang, Scientific Diving Officer, Smithsonian Institution, Washington, DC
- Arvid Påsche, MSc (Physiology). Managing Director Thelma AS.
- Johan Skulman, MSc (Sports). Chief Instructor for Winter Survival, Swedish Army.

COST

Course: NOK 25,000.-

Skiing trip: NOK 5,000.-

This covers all travel and subsistence from Longyearbyen, rent of snow scooters, all necessary equipment, as well as course material.

The deadline for registration will be February 1st 2003. Please note that the number of participants are limited.

For further information:

Alf.O.Brubakk@medisin.ntnu.no

Or

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BOOK REVIEWS

Dirk J. Bakker and Frederick Cramer, Editors: HYPERBARIC SURGERY. Perioperative Care.

Publication date: 2002

ISBN: 1-930536-08-9

Publisher: Best Publishing Co., PO Box 30100, Flagstaff, AZ, 86003-0100, USA.

470 pages, Price: US \$ 154.00

This book is devoted to the subspecialty of "Hyperbaric Surgery". The list of distinguished contributors from various medical specialties is international and impressive. The intention of the book is to give the practicing surgeon who has the availability of a hyperbaric facility a reference text at hand. With lots of color photos and illustrations throughout the book it provides a comprehensive look at the wide variety of surgical indications.

The book shows that Hyperbaric Oxygenation has a definite place in medicine and is not a therapy in search of diseases. I'm sure this book will serve well in the interest of Hyperbaric Medicine to gain respect in clinical medicine.

Valerie Larson-Lohr and Helen C. Norvell, Editors: HYPERBARIC NURSING.

Publication date: 2002

ISBN: 1-930536-00-3

Publisher: Best Publishing Co., PO Box 30100, Flagstaff, AZ, 86003-0100, USA.

400 pages, Price: US \$ 73.00

This text provides a complete overview of the practice and responsibility of a nurse working in a hyperbaric facility. Such a book has long been desired by the nurses working in the field as information about hyperbaric medicine was mainly transmitted by direct communication between the nurses.

The book gives an examination of patient care, education and research and gives attention to staff/patient relationships and the latest trends in technology and techniques used in the area of hyperbaric nursing. It is written with the sight of the Baromedical Nurses Association, which is an American body. Besides information about organisations and agencies that affect hyperbaric nursing it offers the reader only a very limited insight into the practice standards from nurses outside the US. However, the book should be available for reading in every hyperbaric facility worldwide.

Both books are available directly from the publisher, Best Publishing Company, with secure online ordering at www.bestpub.com or fax the order to +1 928 5260370.

**Dr Peter HJ Mueller,
EJUH Editor**

Minutes of the General Assembly EUBS 2002, held on 07.11.2002 at 17.00

Opening by the President: Dr. R. Cali-Corleo.

The **Minutes** of the GA 2001 were published in the Newsletter. They were accepted by the General Meeting with a correction by Dr. J. Desola: The ICHM, and not the UHMS as incorrectly stated, will hold their conference jointly with the 2005 EUBS Meeting organised by Dr. Desola in Barcelona.

The **Financial Report** was also accepted by the GA. The deficit of £ 3,375.54 was thought to be mainly due to the Journal. The society estimates that the quality of the Journal is worth this deficit. Dr. Müller was congratulated at this time with applause for his excellent work.

The **Budget** was also accepted. The Executive Committee proposed however to the GA an increase of the membership fee in order to cover the deficit and allow the activities of the society, journal and grants to go on.

The new fee would be 40 Euros/year for full members and 20 Euros/year for students starting 2003.

One suggestion to save money by Dr. Grossman is rejected:

Dr. Grossman suggested publishing the journal only in electronic format in order to suppress printing and postal cost. It was however thought that societies having made this change have returned to hard copy because the members found it more convenient.

The new membership fee was accepted at the unanimity of the members present today.

Dr. A. Taher is concerned by the fact that the society is not growing. This remark reflects a general feeling of all members. It is difficult for the committee to do something against that. It is recommended that all members should encourage their students and colleagues to join the society.

Member-at-Large

Dr. Mikael Gennser terminated his 3 year appointment. He was thanked with applause by the GA. Dr. Gennser thanked the Executive Committee for a collegial work. Dr. Adel Taher

was welcomed as the new Member-at-Large of the society. His term will be from 2002 to 2005.

Vice-President

Since Dr. Cali-Corleo will finish his term next year, it was necessary to present new candidates for the post of Vice-President. The Executive Committee had already nominated two candidates. Members were invited to present also candidates. In order to ease this process, the Executive Committee proposed to reduce the number of promoters for new candidates from 15 to 5 members. This will require a modification of the statute for which the members will have to vote during the next election. According to the statute, candidates must apply in written form to the Executive Committee. The signature of 5 supporters must accompany the application (if the proposed change in by laws is accepted).

World Federation of Baromedical Societies

The President informed the members that he had some positive reply from SPUMS and SOMAS to create a loose World Federation of Diving and Hyperbaric Societies. This body is aimed at improving the coordination of the different societies on different politic issues or priorities that may come up in the next years.

This topic provoked some discussion in the floor.

Dr. Brubbak says that the UHMS is already an international society and that there is not really a need to do that.

Dr. Wendling points out to the fact that EUBS is a group of individuals only. He suggested that we should start with the unification of the different existing European bodies.

Dr. Desola is opposed to Dr. Brubbak about the true internationality of the UHMS. UHMS is an US based society. The vice president, being traditionally from outside the US has no power. Even in a case of sudden incapacity of the president, he would not be allowed to run the UHMS business.

Dr. Müller supports a loose Federation in which every society would keep its own liberty.

Dr. Bennett supports the idea of a federation but he is disturbed by the assumptions that UHMS is not a true international society.

Dr. Marroni closed this discussion while saying that a Federation should not be interpreted as rivalry between societies but only as a need of having a better coordination. The field of diving and hyperbaric medicine is such a small field in medicine and research that it is better to unite than to struggle alone.

The GM encouraged the Executive Committee to explore the possibility to create a World Federation in the field.

Relations with the ECHM

The President stated that the EUBS and ECHM are two complementary entities. EUBS being more dedicated to research and publishing activities and the ECHM being more a political body trying to implement general guidelines and standards. The ECHM always tries to make their workshops back to back with EUBS meetings, what is profitable for both parties.

EUBS offered to the ECHM the use of its Newsletter as well as the web page to help them disseminate the results of their workshops and consensus documents.

Future Meetings

2003, Copenhagen, Denmark
 2004, Ajaccio, France
 2005, Barcelona, Spain
 2006, Bergen, Norway
 2007, Croatia
 2008, Austria
 2009, UK
 2010, Athens, Greece
 2011, Egypt
 2012, Turkey or as a substitute if any of the previous candidates withdraw

At this point, Dr. Brubbak proposed to suppress the loan given to the annual meeting secretaries in order to save money. Dr. Cali-Corleo replied that up to now only few meetings have lost money: Slovenia and Sweden being the last cases. It is necessary to give some help to the general secretaries who are taking a financial risk. After all, the annual meeting represents the main activity of the society. However, in order to have a better control, the Executive Committee have started to demand that the general secretaries who ask EUBS to

keep the loan to justify the losses they are claiming with the presentation of their books and accounts to the society.

Student Grant

Students who will apply for a grant should join a corresponding request to their abstract. The deadline for these applications is the submission deadline for abstracts. They will be informed if their grant is accepted at the same time they are informed if their abstract is accepted.

In the absence of further topics, the GA is closed at 17.45.

Zetterström Award

President electing committee: Dr. Martin Hamilton-Farrell, UK

The winner is: Dr. J. Cundall, Gardiner A, Grout P, Laden G, Duthies G, from the Academic Surgical Unit at Castle Hill Hospital, Cottingham, East Yorkshire, UK. For the poster presentation entitled:

The use of hyperbaric oxygen to treat faecal incontinence secondary to pudendal neuropathy - a pilot study.

Signed:

J. Schmutz,
Secretary General EUBS

LAST MINUTE INFORMATION

We found that the CD "Medical assessment of Fitness for Diving", as handed out during the EUBS meeting in Brugge, may contain a glitch in the presentation of Peter Mueller.

If so, please return the CD with your address to:

HKTS
 attn. E. J. Sterk
 Linieweg 5
 7921VK Zuidwolde
 The Netherlands.

We will provide you with a bug free copy asap without costs.

The (bug free) CD-Rom of the David Elliott seminar is still available at cost of € 30. Please contact sterk@wanadoo.nl or w.sterk@planet.nl

EUBS FINANCIAL STATEMENT FOR THE PERIOD 1ST JANUARY TO 31ST DECEMBER, 2001

INCOME

Membership Fees –	2000	£ 198.00	
	2001	£ 4,248.32	£ 4,436.32
Corporate Membership			£ 300.00
Proceedings			£ 224.00
Interest on Bank Account			£ 113.88
Repayment of Loan – Hamburg Meeting			<u>£ 1,960.10</u>
			<u>£ 7,034.30</u>

EXPENDITURE

Secretarial Fees			£ 600.00
Travel & Accommodation – Hamburg Conference			£ 548.34
Cardnet Charges			£ 482.60
Dr Cali Corleo- Malta 2000 Abstracts – Printing & Mailing			£ 853.00
Loan to Congress Partner – Hamburg Meeting			£ 2,028.25
Johannes May – Printing Membership Directory (DM 2,432,52)			£ 797.36
Website Expenses			£ 425.37
Postage/Stationery/Telephone			£ 358.99
Printers – Letterhead/Membership Cards			£ 102.11
Cardnet Refunds			£ 100.00
Journal Expenses -			<u>£ 4,284.74</u>
Vol 2 No 1	Printing	DM 2880,28	
	Mailing	DM 1942,38	
Membership Directory Mailing		<u>DM 69,00</u>	
		DM 4891,66	£ 1,596.55
Vol 2 No 2	Printing	DM 2513,43	
	Mailing	<u>DM 1045,98</u>	
		DM 3559,41	£ 1,122.44
Vol 2 No 3	Printing	DM 3,938,20	£ 1,286.71
	Mailing	DM 822,75	<u>£ 279.04</u>
			£ 4,284.74
Vol 2 No 4	Printing	€ 1.173,14	
	Mailing	<u>€ 452,53</u>	
Came off in Jan 2002		€ 1.625,67	£ 1,039.59
			<u>£ 10,580.76</u>
Expenditure over Income			<u>£ 3,546.46</u>

Bank Balance	Account Balance as at 1 st January, 2001	£ 13,604.16
	Stamp Stock and Cash in Hand at 1 st January 2001	<u>£ 224.70</u>
		£ 13,828.86
	Less Expenditure over Income	<u>£ 3,546.46</u>
		<u>£ 10,282.40</u>
	Account Balance as at 31 December, 2001	£ 10,111.20
	Stamp Stock and Cash in Hand at 31 December, 2001	<u>£ 171.20</u>
		<u>£ 10,282.40</u>

Would all members who have not yet paid their membership please do so before the 31st December 2002. If you wish to pay by credit card please fax a copy of your Name/ Address/ Card Number/ Card Type/ Expiry Date and your signature to myself at 00 44 1467 620408. If you want to get in touch regarding other methods of payment please e-mail me at benview@abel.co.uk

Angela Randell, Treasurer & Membership Secretary

INSTRUCTIONS TO AUTHORS

The **EJUHM** welcomes contributions (including letters to the Editor) on all aspects of diving and of hyperbaric medicine. Manuscripts must be offered exclusively to the **EJUHM**, unless clearly authenticated copyright exemption accompanies the manuscript. All manuscripts will be subject to peer review, with feedback to the authors. Accepted contributions will be subject to editing.

Manuscripts are accepted in English, and also in major European languages (French, Spanish, Italian and German) when accompanied by an English abstract and a letter of recommendation of a member of the **International Editorial Board**.

Contributions should be sent to

Dr. Peter HJ Mueller, Editor **EJUHM**, C/o HBO-Zentrum Rhein-Neckar am Diakoniekrankenhaus Mannheim, Speyerer Strasse 91-93, D-68163 Mannheim/Germany. Fax: +49-621-8102 393. Phone: +49-621-8102 390. E-mail: eubs@hbo-mannheim.de

Requirements for Manuscripts

The **EJUHM** is composed on a PC using Word processing. Documents are acceptable on disc or by e-mail. Illustrations and tables should **NOT** be embedded in the Word document, only their position indicated. All tables are to be separate documents. Illustrations should be separate documents in Word or TIFF, clearly marked with the format used. **References should be in the correct format, shown in the next column.** Submissions must be accompanied by two printed copies of all text, tables and illustrations.

The printed copies should be double-spaced, using both upper and lower case, on one side of the paper only, on A4 paper. Headings should conform to the format in the **Journal**. All pages should be numbered. No part of the text should be underlined. These requirements also apply to the abstract, references, and legends to figures. Measurements are to be in SI units (mm Hg are acceptable for blood pressure measurements) and normal ranges should be included. All tables should be double spaced on separate sheets of paper. **No vertical or horizontal rules are to be used.**

Photographs should be glossy black-and-white and slides should be converted to photographs before being sent. Colour reproduction is not available. Legends should be less than 40 words, and indicate magnification.

Abbreviations do not mean the same to all readers. To avoid confusion they should only be used after they have appeared in brackets after the complete expression, e.g. decompression illness (DCI) can thereafter be referred to as DCI.

The preferred length for original articles is 2,500 words or less. Inclusion of more than 5 authors requires justification. Original articles should include a title page, given the title of the paper and the first names and surnames of the authors, an abstract of no more than 200 words and except in unusual situations be subdivided into Introduction, Methods, Results, Discussion and References. After the references the authors should provide their initials and surnames, their qualifications, and the positions held when doing the work being reported. One author should be identified as Correspondent for the Editor and for readers of the **Journal**. The full current postal address of each author, with the Telephone, facsimile numbers and e-mail address of the corresponding author, should be supplied with the contribution. No more than 20 references per major article will be

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1. Thorsen E, Risberg J, Segadal K, Hope A. Effects of venous gas microemboli on pulmonary gas transfer function. *Undersea Hyperbaric Med* 1995; 22:347-353.
2. Hempleman HV. History of decompression procedures. In: Bennett PB, Elliott EH, eds. *The physiology and medicine of diving*. London: WB Saunders, 1993:324-375.
3. Kindwall EP, Goldmann RW. *Hyperbaric medicine procedures*. Milwaukee, WI: St. Luke's Medical Center, 1970.

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