

# 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.

**PUBLISHED** quarterly by the European Underwater and Baromedical Society **EUBS**

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ECHM European Committee for Hyperbaric Medicine  
SPUMS South Pacific Underwater Medicine Society  
UHMS Undersea and Hyperbaric Medical Society

**MANUSCRIPTS:** see INSTRUCTIONS TO AUTHORS on inside of back cover.

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**EDITOR'S COLUMN****Dear Readers!**

Another issue of the **Journal** is due, and some minor improvements have been possible meanwhile. Matters are constantly developing, and it seems as some **EUBS Members** have been overwhelmed with the task to comply to the strict time table that is necessary to keep up with the business of a Newsletter. Therefore you will not find the usual **President's Column** in this issue and no nominations for a new Member-at-Large. **Peter Germonpré** is dropping out after his 3 year tenure and I'm convinced that we will unquestionably miss our Society's **Webmaster** in the ExecCom!

The nominations and the ballot will have to be done by regular mail before the **EUBS Annual Scientific Meeting in Hamburg, 12-17 September 2001**. The meeting's **Secretary General, Dr. Uli van Laak**, has done a great job to cope with all the difficulties such a task always guarantees to provide, and the brochures have been mailed to you some time ago. Please be assured, that the deadline for submissions of abstracts will not be kept too concise, after the mail-shots had been delayed beforehand.

**Valerie Flook** has kept her promise to continue the series "**Back to Fundamentals**". **Joop Madsen**, who has done the review, writes: *The subject - oxygen tensions along the capillaries during HBO - is important and probably often overlooked under the impression of the formidable arterial oxygen partial pressures obtained in the arterial blood. The paper is concise and stringent, clearly written and easily read. Limitations of the model (disregard of Bohr-effect along the capillaries, assumption of constant perfusion rates, linear extraction along the capillary etc.) are described and their consequences discussed.* I can only agree with him. Thanks a lot, Valerie!

The **Zetterström Award** winning paper from the **Malta** meeting is now available after the authors had some difficulties to submit the paper earlier. I'm sure we will find another worthy recipient for this award again this year and I look forward to seeing you all in **Hamburg in September!** For the latest details check out the **EUBS website** <http://www.eubs.org> !

Best regards,

**Peter**

## LETTERS TO THE EDITOR

Dear Dr Mueller

I should like to congratulate the Editor of the new European Journal of Underwater and Hyperbaric Medicine as I found the official newsletter, albeit the copies up to press, interesting and informative and a useful link to the work which is being undertaken by my European colleagues. I have been a member of the UHMS for many years and have only recently joined the EUBS after last year's very enjoyable EUBS conference in Malta. Hyperbaric medicine being a small and narrow banded speciality, I find membership of such organisations and attending hyperbaric annual scientific meetings to be a valuable, educational resource.

Accordingly I was very interested to read in the Editor's section of the journal (Volume 2 No1 March 2001) on page one, a comment informing me there are several multi centric studies being initiated in Europe under the auspices of the COST Action B14 working group (Hyperbaric Oxygen Therapy). Regrettably, I am somewhat electronically challenged and have not had a lot of luck with the listed web sites and was wondering whether or not I might use the EUBS journal newsletter in order to express my Unit's interest in collaborating in any multi centred studies which are being initiated under the COST Action B14 directive.

Our Hyperbaric Facility, whilst relatively young, having only been operational for the past two years, has already undertaken several scientific studies in cooperation with the local University School of Medicine. Indeed in the last EUBS official newsletter Lee J Greenbaum was good enough to give account of some of the research we have undertaken that we were fortunate enough to be able to present at the EUBS Malta Meeting. I should also like to offer my thanks to Ramiro Cali-Corleo for a very

enjoyable meeting. Our current area of work includes two randomised controlled trials, examining the effects of hyperbaric oxygen on aspects on nervous tissue injury and a more complex trial involving aspects of vascular disease.

Accordingly, I would be very pleased to hear from any other hyperbaric clinical facilities that are currently initiating any medical trials in which collaboration with a second or subsequent centre may prove to be of benefit. This would be particularly pertinent to trials undertaken under the auspices of the COST Action B14, because whilst I read of some initiatives in the EUBS Journal, I have been unable to identify anyone who is currently developing such research initiatives. Should any other centres interested in progressing with multi centre studies, wish to contact us, they may do so by any of the following methods:

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I should like to finish by thanking all of those people that have been involved in launching the European Journal of Underwater and Hyperbaric Medicine. I am sure this is a labour of love but is one which I very much appreciate.

Yours sincerely

Gerard Laden  
Technical Director  
Hull Hyperbaric Unit

## A PIONEER IN SWEDISH DIVING MEDICINE HAS DIED



**Dr. Anders Muren** died in late April at the age of 78 from cardiac and vascular problems. He was born in Norway and when a young man joined the free Norwegian forces; he was trained in England and Canada.

After the war he came to Sweden to study medicine, and early in his training became interested in physiology. In addition to his MD degree he also wrote and in 1957 defended a PhD thesis, "Sensitivity of Gastric Plain Muscle To Chemical Agents After Exclusion Of Vagal Impulses" based on work he had done together with his tutor, Professor Nils Emmelin.

After four years at the Department of Physiology at the University of Göteborg Anders Muren moved to Stockholm to start a career as a diving medical doctor in the Swedish Navy. During more than ten years he was responsible for the Navy's research in diving medicine. He was one of the creative minds behind the diving medical equipment onboard the diving and submarine rescue ship *HMS Belos*, which was launched and commissioned in the mid 1960s. All divers and diving doctors who had the pleasure of sailing together with Anders Muren onboard *Belos* learned to know him as a competent doctor and a good friend. Many of these colleagues continued to collaborate with Anders' laboratory as reservists after leaving active duty in the Navy.

Because of Anders Muren's profound knowledge of naval medicine it was obvious that he was the best person to head a department of Naval Medicine when the Swedish Defence Research Establishment in 1974 decided to expand and also include research in the field of human science. Five years later, 1979, FOA Naval Medicine moved into the brand new Swedish Navy Diving Centre 30 km south of Stockholm, which Anders had been active in planning. Under his leadership the activity expanded and led to studies and development of several new naval capabilities, including heliox bounce diving tables, saturation and saturation-excursion diving, in-house design and calculation of decompression tables, testing of survival equipment for a lost diving bell, human experiments with hydrogen diving, and studies of depth narcosis and counter measures against oxygen toxicity. His laboratory's work supported the development and commissioning of the submarine rescue vessel URF.

Cooperation with national and foreign experts made the Swedish Defence Research Establishment, FOA, the Swedish Navy Diving Centre, MDC, and the name Muren internationally known. Among his publications probably the best known is a book co-authored with Anders Lindén, *Arne Zetterström and the first hydrox dives*, published by the Swedish National Defence Research Institute in 1985. Anders Muren's interest in and support to diving history made him an honorary member of the Swedish Diving Historical Society. He was also a member of UMS, now the Undersea and Hyperbaric Medical Society from its

earliest days, and he helped found EUBS, the European Underwater and Baromedical Society.

**Hans Örnhagen, MD, PhD**

### The Anders Muren I knew

With the passing of Anders Muren it is safe to say that Sweden, the Swedish Navy, and the international diving medicine community have lost a true pioneer. In the early 1970s I was a casual acquaintance of Anders through the usual series of meetings, and I was probably introduced to him by Heinz Schreiner. It turned out to be my very good fortune to be able to work with Anders over many years and to get to know him, his colleagues, and his wonderful family.

As the senior diving medical officer of the Swedish Navy it was Anders job to arrange for new decompression tables and procedures, and my colleague Dave Kenyon and I had our DCAP program to offer. After a few attempts at preparing tables that always seemed to need revision for one reason or another at about the time a set of tables were supposed to be "finished", Anders made the suggestion that we install the program in the computer at the Naval Diving Center (MDC) and let him and his team make the changes. The idea was good, but implementing it meant that I, and often Dave as well, spent many weeks in Sweden getting all the details right despite the fact that we used an early form of e-mail, a program called "COM" developed by the Swedish Defense Research Agency, FOA. Having to spend time in Stockholm was always a pleasure.

Anders would pick me up to drive to work. We had almost an hour each way to spend talking a little about work or about the politics of the Swedish military research community, but we also dealt with the beauty of the countryside, Swedish words and customs, family, friends, and what have you. Mornings were earlier than I wanted to be awake, but Anders was an early riser and full of spunk. We usually had lunch together at the "Castle" or Officer's Mess, which served traditional Swedish dishes, not restaurant food; Anders was finished before I had my food salted and buttered. The evening trip home allowed us to recap and unwind the days cares. Often we would go to his house for some brandy, cheese, and philosophy, with maybe a sauna, but Anders would sometimes fade before we settled anything. Sometimes I stayed at the Muren's, so got to know the family well. His loyal, talented, gracious, and beautiful wife Catharina always made me feel as welcome as another family member.

While I was struggling to get the computer to do my bidding, Anders would lay out the experiment in detail, with very finely handwritten details showing everything that happened, or in the case of planning, was supposed to happen. These little diagrams were all treasures and they provide a concise and accurate account of our projects. We did some very interesting things. Anders was an excellent colleague, and I will miss him very much.

**R.W. "Bill" Hamilton, Ph.D.**



# MEETINGS

## Bandos International Course on Advanced Diving and Underwater Medicine 2001

- Sponsored by DAN Europe/DAN Maldives  
-

Approved by GTÜM e.V. and the  
European College of Baromedicine

Bandos Island Resort, Bandos,  
Republic of Maldives

August 3<sup>rd</sup> - August 16<sup>th</sup> 2001

with a

Pre-course on Treatment of  
Pulmonary Barotrauma  
Including Practical Exercises

Department of Anatomy  
University of Ulm Medical School  
Ulm, Germany

August 2<sup>nd</sup> 2001

Dear Friends of Diving Medicine,

it is a pleasure to be able to invite you to a special advanced course on diving and underwater medicine to be held on Bandos Island Resort, Bandos, Republic of Maldives.

Our educational program involves international experts in the field of diving and underwater medicine with outstanding expertise. The Intensive Care Transport of the injured diver will be a special consideration. Furthermore, a pre-course to be held at the Department of Anatomy, University of Ulm, Germany, offers you the opportunity to gain or refresh knowledge in the application of chest drains.

Divers and non-divers are eligible to participate. They will have an excellent opportunity to train emergency medical procedures in the remote location environment.

We would be happy to encourage physicians, nurses and hyperbaric medicine related personnel to register.

Your spouses and families are also welcome to join you on the beautiful Maldives for a wonderful vacation.

Join us for a unique experience. See you in the Maldives!

### Contact:

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or [con.medico@snafu.de](mailto:con.medico@snafu.de)

## **Bandos International Course on Advanced Diving and Underwater Medicine 2001**

The fourteen-day course is designed primarily for physicians, emergency medical personnel and nurses with special interest in diving and underwater medicine.

The goals of the course are:

- To provide basic and advanced knowledge necessary for the handling of diving medical emergencies such as decompression illness with special focus on the peculiarities of remote locations.
- To provide an update of current management and treatment procedures.
- To discuss special problems exclusively with international experts in the field with a large operational experience.

It is not a prerequisite that the participants are familiar with basic knowledge in the topic, but those who have passed basic courses will get a deeper insight into the field of diving and underwater medicine.

The course syllabus is approved by the European College of Baromedicine and the German Diving and Hyperbaric Medical Association (GTUM e.V.).

Through lectures, extended seminars on selected topics, case presentations including video tapes, printed materials, practical exercises and informal question and answer sessions it is anticipated that the participants will

- Be able to assess the medical fitness to dive requirements of male and female divers.
- Have the understanding of nitrogen narcosis, oxygen toxicity, mixed gas diving peculiarities, CO and CO<sub>2</sub>-toxicity, decompression sickness, barotrauma and arterial gas embolism.
- Get a practical insight into physiological basics of diving.
- Be able to evaluate a diver after a suspected diving accident by case history and physical examination.
- Be able to provide initial and extended treatment on a diving accident victim including special procedures such as chest drain etc. (Pre-course)

- Have the understanding and enhanced experience of operating a hyperbaric chamber including emergency procedures such as fast lock in manoeuvres.
- Have extended knowledge of the requirements and management procedures of medical evacuation of dive accident victims from remote locations to treatment centres.

Diving will be provided at an exceptional rate including equipment. During the dives a special insurance (conditions and coverage upon request at the dive base) will be provided free of charge. Diving medical emergency training will be conducted during the dives and on the boats. Those who are not diving are welcome to these sessions free of charge.

In addition the course participants will have the excellent opportunity to discuss special problems in detail with international experts. A free admission to the International DAN Maldives Dive Safety Day held on Bandos Island Resort will also be provided for participants and spouses.

### **Contact:**

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**REGISTRATION FORM**

**Bandos Advanced Joint Course on Diving and Underwater Medicine 2001  
- Sponsored by DAN Europe/DAN Maldives -  
(Approved by GTÜM e.V. and the European College of Baromedicine)**

**August 3<sup>rd</sup> - August 16<sup>th</sup> 2001  
Bandos Island Resort, Bandos, Republic of Maldives**

**Pre-course on Treatment of Pulmonary Barotrauma  
Including Practical Exercises  
August 2<sup>nd</sup> 2001**

<i>Meeting Registration</i>	<u>Advance</u>	<u>After June 1<sup>st</sup> 2001</u>
Pre-course on Treatment of Pulmonary Barotrauma Including Practical Exercises August 2 <sup>nd</sup> 2001	Euro 60,00	Euro 70,00
Bandos Advanced Joint Course on Diving and Underwater Medicine 2001 August 3 <sup>rd</sup> - August 16 <sup>th</sup> 2001	Euro 1100,00	Euro 1300,00
Special Offer: Register 4 participants for the price of 3	Euro 3300,00	

**TOTAL** Euro \_\_\_\_\_

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Or money transfer to: CON MEDICO  
Berliner Bank BLZ: 100 200 00  
Kontonummer: 177 33 76 607

***Please wait for written confirmation of your registration! We appreciate your patience.***

**REMINDER:** Advance registration closes June 1<sup>st</sup> 2001. *Cancellation:* There will be a Euro 120,- administrative fee for all refunds processed. No refund after July 1<sup>st</sup>.

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## REGISTRATION FORM

### Bandos Advanced Joint Course on Diving and Underwater Medicine 2001 - Sponsored by DAN Europe/DAN Maldives - (Approved by GTÜM e.V. and the European College of Baromedicine)

**August 3<sup>rd</sup> - August 16<sup>th</sup> 2001**  
**Bandos Island Resort, Bandos, Republic of Maldives**

**REMINDER:** Advance registration closes June 1<sup>st</sup> 2001. There will be a \$ 100 administrative fee for all refunds processed

Mailing Address \_\_\_\_\_ Daytime Phone \_\_\_\_\_

\_\_\_\_\_ Fax \_\_\_\_\_

\_\_\_\_\_ e-mail \_\_\_\_\_

*Hotel Registration*

	*No of nights
Single Half Board (per room per night incl. gov. bed tax)	US \$ 65.00 * ___ =US \$ _____
Double Half Board (per room per night incl. gov. bed tax)	US \$ 86.00 * ___ =US \$ _____
Third Person supplement for Half Board (per night)	US \$ 32.00 * ___ =US \$ _____
Full Board supplement (per person and night)	US \$ 10.00 * ___ =US \$ _____
Children joining two adults (per child per night)	US \$ 15.00 * ___ =US \$ _____
Infant only government bed tax (per child per night)	US \$ 6.00 * ___ =US \$ _____

	*No of persons
Return Transfer Airport - Bandos per boat (per person)	US \$ 22.00 * ___ =US \$ _____
Return Transfer Airport Children under 12 years	FREE

*Registration for additional activities*

Diving including full equipment	
11 dives, per person	US \$ 250.00* ___ =US \$ _____
Diving	
11 dives, per person	US \$ 200.00* ___ =US \$ _____

Watersport activities (discount for participants and spouses!) available on site upon request

**TOTAL** US \$ \_\_\_\_\_

Paid by \_\_\_\_\_ (credit card) \_\_\_\_\_ (number) \_\_\_\_\_ exp.date

Name on Card: \_\_\_\_\_ Signature: \_\_\_\_\_

# 3<sup>rd</sup> Hamburg Symposium on Occupational Risks in Hyperbaric Tunneling and Commercial Diving

- Behörde für Arbeit, Gesundheit und Soziales, Hamburg -

in cooperation with

- Tiefbau-Berufsgenossenschaft, München -

&

- Prof. Dr. Zander, Institute of Physiology and Pathophysiology, University Mainz -

The 3<sup>rd</sup> Hamburg Symposium on occupational risk in hyperbaric tunneling and commercial diving will be held as a satellite of the EUBS annual scientific meeting. The symposium will take place on Wednesday the 12<sup>th</sup> September in the lecture hall of the famous "Bernhard Nocht Institute for Tropical Medicine" which is sited directly at the port of Hamburg and in sight of the first Elbe-tunnel build between 1908 and 1910.

The program of the symposium includes topics concerning physical, chemical and biological hazards which may be apparent during constructive work in hyperbaric environments. The aim of the interdisciplinary symposium is to cover aspects of risk assessment, human response to occupational hazards and probable ways to protect hyperbaric tunnel workers and commercial divers against these hazards.

The symposium is supported by the "Deutsche Forschungsgemeinschaft".

## **Main topics**

- Mineral dust in hyperbaric tunneling
- Hyperbaric tunneling in contaminated grounds
- Breathing gas contaminations / Organic volatiles
- Welding fumes
- Contaminations from pyrolysis
- Waterborne sound
- Diving in chemically contaminated waters
- Diving in microbiologically contaminated waters
- Remote control underwater vehicles

## **Symposium venue**

Berhard-Nocht-Institut für Tropenmedizin  
Berhard-Nocht-Straße 74  
D-20359 Hamburg

## **Registration**

Registration fees:

- before July 31, 2001: 200,- DM
- after July 31, 2001: 250,-DM
- participants of the EUBS-Meeting: 180,- DM (confirmation necessary)

Please use the fax-form (see reverse) for your registration. **Fax-No.: +49 - (0)40 - 428634116**

The registration will be confirmed upon payment of registration fee. If registration and payment will be received after August 15, 2001, you will receive your confirmation at the symposium office on site.

In case of cancellation of participation before July 31, 2001 registration fees will be refunded deducting a handling fee of 50,- DM. There will be no refund in case of cancellation after July 31, 2001.

The exclusive legal basis for any conflicts of interest is the German "Bürgerliches Gesetzbuch".

## **Actual information / registration forms**

<http://www.hamburg.de/Behoerden/BAGS/arbeitschutz/Aktuell/druckluft.htm>

## **Symposium organisation**

Dr. med. Birger Neubauer  
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**REGISTRATION FORM**

**3<sup>rd</sup> Hamburg Symposium on  
Occupational Risks in Hyperbaric Tunneling and Commercial Diving  
September 12<sup>th</sup> 2001**

Please complete by using capital letters

**Participant:**

academic title	first name	family name		
institute / organization / department				
street	number	zip code	city	country
phone number	fax-number		e-mail	

**Registration fees:**

	before July 31. 2001	after July 31. 2001	total
3rd Hamburg Symposium, Wednesday, September 12. 2001	200,- DM	250,- DM	
Participant of the 27 <sup>th</sup> EUBS-Meeting (confirmation necessary)	180,- DM	180,- DM	
lunch at the Bavaria brewery; <b>meat meal</b>	20,- DM	20,- DM	
lunch at the Bavaria brewery; <b>fish meal</b>	20,- DM	20,- DM	
Reception in the town hall by the Major of Hamburg; Friday, September 14. 2001, 18:30	free of charge	free of charge	0
		<b>subtotal:</b>	

Date	signature
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**send to:**

**Amt für Arbeitsschutz G2 / AS 35  
Adolph-Schoenfelder-Strasse 5  
D-22083 Hamburg  
Germany**

**Fax-Nr: (+49) (0)40 428634116**

## UHMS WORKSHOP

# PATIENT SAFETY: PREVENTION AND TREATMENT OF COMPLICATIONS IN HYPERBARIC MEDICINE

JUNE 13<sup>TH</sup> 2001, 0900-1700  
UHMS ANNUAL SCIENTIFIC MEETING IN SAN ANTONIO, TEXAS

### PRESENTED BY A DISTINGUISHED FACULTY INCLUDING:

CHAIRS: **Dr Paul Barach MPH:** Assistant Professor, Department of Anesthesia and Critical Care, University of Chicago.  
**Dr Peter Mueller MD:** Anaesthesiologist, Editor European Journal of Underwater and Hyperbaric Medicine, Vice-President of UHMS.

FACULTY: Dr Richard Moon, Dr Caroline Fife, Dr Paul Sheffield, Dick Clarke, Tom Workman, Dr Jeff Vrabec, Dr Ian Millar, Christy Pirone

## TOPICS INCLUDE

- INNOVATIONS IN HYPERBARIC PATIENT SAFETY ISSUES
- DEVELOPING A BETTER UNDERSTANDING OF BEST PRACTICE IN THE PREVENTION AND MANAGEMENT OF HYPERBARIC INDUCED MIDDLE EAR BAROTRAUMA
- EFFICACY OF SCREENING PROCEDURES IN PREVENTING PATIENT COMPLICATIONS
- ORGANIZATIONAL SAFETY IN HYPERBARIC ENVIRONMENTS

The Undersea and Hyperbaric Medical Society is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education (CME) for physicians.

The Undersea and Hyperbaric Medical Society designates this continuing medical education activity for 6 credit hours in Category 1 of the Physicians Recognition Award of the American Medical Association.

For additional information and registration visit the UHMS website <http://www.uhms.org>

# NUI International Diving Seminar 2001

**A meeting place for the inshore and offshore diving industry**

**Bergen Congress Centre, November 13<sup>th</sup> and 14<sup>th</sup>, 2001**

## **Invitation to submit abstracts to the R&D session**

**NUI International Diving Seminar** is the fourteenth in a row of annual seminars for both inshore and offshore diving industry. The seminar focuses on surface supplied and saturation diving, diving research, transfer of technology inshore/offshore and news from the authorities.

A programme committee puts together a varied programme. The lectures, both in Norwegian and English, will be presented in a popular scientific manner. Simultaneous translation from Norwegian to English will be offered, and we hope for many international participants.

The NUI International Diving Seminar 2001 will contain the following sessions:

- R&D with emphasis on "Thermal Challenges in Diving"
- Re-vitalisation of the diving industry
- Rescue diving
- Do we have satisfactory contingency plans for the Norwegian coastline?
- News from the authorities

You are hereby invited to submit a summary in English (max. 500 words) of your proposal for the R&D session. Please divide your abstract into: introduction, aim, methods, results, conclusions. Although the main subject this year will be "Thermal Challenges in Diving", we also appreciate contributions in other subjects with relevance to operational conditions. The

time frame of the presentation will be 15 + 5 minutes.

**THE DEADLINE** for abstract submission is August 16<sup>th</sup>. You can preferably submit your abstract as an e-mail attachment to [aho@nui.no](mailto:aho@nui.no) or send it by mail to:

*Updated information will be found on our web pages [www.nui.no](http://www.nui.no) from mid June.*

**Dr. Arvid Hope**  
**NUI AS, P.O.Box 23 Ytre Laksevaag,**  
**5848 Bergen, NORWAY**



# 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

accepted. Accuracy of the references is the responsibility of authors. Acknowledgments should be brief.

Abstracts are also required for all case reports and reviews. Letters to the Editor should not exceed 400 words (including references which should be limited to 5 per letter).

## References

Authors are responsible for verifying references against the original documents. References must be numbered consecutively in the order in which they first appear in the text, and identified in the text by arabic numerals in parentheses. References cited only in tables or legends should be numbered in accordance with a sequence corresponding to the first mention of the table or figure in the text. The reference list must be double spaced. List names and initials of all authors when six or less, when seven or more, list only the first three authors and add et al. Citations in the reference list are to be in the form used by the U. S. National Library of Medicine and *Index Medicus*.

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.

Manuscripts that have been accepted should be cited in the reference list as regular references, with "in press" in place of journal pages. Citations such as "unpublished observations", "personal communication", "manuscript in preparation", or "to be published" are not to appear in the reference list, although reference to such a communication, if it exists in written form, may be cited in the text in parentheses. References to government reports should not be cited unless such reports are easily available to all readers.

## Consent

The **EUBS** endorses the principles of the Declaration of Helsinki on the treatment of human subjects and approved guiding principles in the care and use of animals. Any report of experimental investigation on human subjects must contain evidence of informed consent by the subjects and of approval by the relevant institutional ethical committee.

## REPRINTING OF ARTICLES

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Papers that have been reprinted from another journal, which have been printed with an acknowledgment, require permission from the Editor of the original publication before they can be reprinted. This being the condition for publication in the **EJUHM**.

# EUBS Annual Scientific Meeting 2001

**EUBS 2001 - 27th Annual Meeting of the  
European Underwater and Baromedical  
Society on Diving and Hyperbaric Medicine**

**Hamburg, Germany**

**September 12 - 16, 2001**

## Invitation to Hamburg

It is our pleasure to invite you to attend this 27<sup>th</sup> Annual Scientific Meeting of the European Undersea and Baromedical Society (EUBS) in Hamburg, September 12 – 16, 2001. The 2001 Scientific Meeting is a particular event – the year 2001 is EUBS's 30<sup>th</sup> anniversary. Founded in London on September 30, 1971, our scientific society has developed significantly over three decades. The 27<sup>th</sup> EUBS Annual Scientific Meeting is dedicated to the founders and scientists who have been engaged in the EUBS Executive Committee. They have always been the society's strongest supporters.

**Gebühr bezahlt beim Postamt Neckarau, D-68199 Mannheim  
If undeliverable please return to: EJUHM-Editor Dr. Peter HJ Müller, c/o  
HBO Rhein-Neckar, Speyerer Strasse 91-93, D-68163 Mannheim/Germany**

This event will give wide opportunities for exchanging concepts and ideas to learn from the past and to develop the future of undersea and baromedicine, not only in Europe. We have invited senior and young scientists and researchers to bring in their experience and to present their results. In particular the younger are encouraged to actively participate in moving the traffic in the right direction.

The conference centre and most accommodation facilities are located at the Hotel InterContinental or nearby ideally situated on the attractive waterfront of the outer part of Hamburg's city lake Alster and within walking distance to the city centre. Mid September in Hamburg offers a late summer atmosphere.

The Scientific Program will include the following topics: Recreational- and Commercial Divers Fitness; Travel Medicine Impacts in Diving Medicine; Diving Safety, Management and Treatment of Diving Accidents; Treatment Regimes; High Pressure Physiology; Work in Hyperbaric Environments; Hyperbaric Oxygen Therapy; New Indications in Hyperbaric Oxygen Therapy; The Need for Accepted Studies in Hyperbaric Oxygen Therapy; Cost-Benefit in Hyperbaric Oxygen Therapy; Situation and Future of Baromedicine in Europe; Baromedical Research and Education in Europe; Physician and Staff Training Requirements; In-Water Emergencies; Maritime Medicine.

Besides the EUBS Scientific Program interesting and entertaining satellite and social programs for participants and partners are available. Special packages for exiting pre- and post-conference activities and tours offer you individual planning.

We are looking forward to welcome you and a large number of colleagues with background in all those medical and scientific disciplines that contribute to the further development of undersea and baromedicine. For general information click to [info@eubs2001.de](mailto:info@eubs2001.de) or call Congress Partner in Berlin +49 (30) 20450041 (Matthias Spacke or Christine Kudla). Fax of Congress Partner is 20450042.

On behalf of the EUBS Executive Committee we are looking forward in meeting you all in Hamburg!

Yours sincerely

**Dr. Ulrich van Laak  
Secretary General EUBS 2001 Hamburg**