

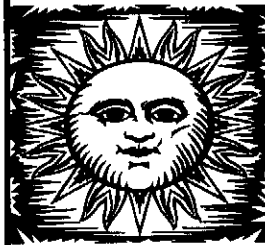
The Microcirculatory Society, Inc. Newsletter

Volume 25, Number 1

June, 1997

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Problems or General Questions, please
contact:

**Gina Cappellania at
Associated Management Services**

phone: (847) 228-3332

E-Mail: GLC@Plasticsurgery.org

President's Message

Julian H. Lombard

One of the proudest accomplishments of my career was to be elected to membership in the Microcirculatory Society. The pride in membership stems from two main sources. The outstanding science presented at the Microcirculatory Society meetings, and the impressive personal attributes of the individuals who represent the Microcirculatory Society. I am sure that everyone can relate to the feelings and emotions experienced by young and impressionable students, post-doctoral fellows and junior investigators when exposed to state of the art science presented by established investigators who radiate professionalism and pride of accomplishment. One thing that was totally unexpected in my early associations with the Microcirculatory Society was the wonderful way in which I was treated by the established investigators in the field, including many of the giants in the history of microcirculatory research. This nurturing and welcoming of students and young investigators is one of the distinguishing characteristics of the Microcirculatory Society, and stands in marked contrast to cases in which the development of an elitist mentality leads to a feeling of exclusion in students and junior investigators. The opportunity to serve as the president of the Microcirculatory Society is an impossible dream come true and an honor that cannot be adequately described.

As this issue of the Microcirculatory Society newsletter reaches you, the long awaited experiment of the combined meeting of the Microcirculatory Society with Vascular Biology '97 (VB'97) has been completed.

The VB'97 meeting was a combined effort of the Microcirculatory Society with the North American Vascular Biology Organization (NAVBO), the American Society of Investigative Pathology (ASIP) and the American Heart Association (AHA). The posters were programmed by the Microcirculatory Society, the symposia were arranged and scheduled by the VB'97 program committee composed of representatives of NAVBO, ASIP, and the Microcirculatory Society; and the AHA handled the organizational aspects of the meeting.

As we all know, the participation of the Microcirculatory Society in a combined meeting with VB'97 was an experiment, and like all first time experiments, there were a number of rough spots, which were documented by Dr. Klitzman in the last issue of the newsletter. In our conversations at the meeting, Dr. Jordan Poper, the incoming president of NAVBO indicated that the combined meeting was a learning experience from the perspective of NAVBO as well, and indicated a willingness to explore options to make the combined meeting format more acceptable to the Microcirculatory Society in the future.

The organizational aspects of the meeting were quite hectic, but extremely rewarding. The daunting task of departing from our established meeting procedures and making a new meeting format work smoothly were aided immensely by the efforts of Drs. Klitzman and Huxley from our society, Drs. Elizabeth Nabel and Brad Berk

representing NAVBO, and Wande Parten and Susan Caylor and their staff from the AHA. It was a great pleasure to work with all these individuals.

From a scientific standpoint, the meeting was a tremendous success, and the Microcirculatory Society was a major contributing factor in this success. The Microcirculatory Society component of the meeting provided over half (242 of 461) of the abstracts that were originally submitted for the meeting. The posters were excellent, and I heard many favorable comments about the poster sessions. The President-elect's symposium was truly outstanding. I received a tremendous number of favorable comments about the symposium, not only from members of our society, but also from members of the other societies attending the meeting. Drs. Greene, Skalak, Huxley, Jackson, and Dora all did an excellent job in preparing their talks. Dr. Bohlen's Landis Award lecture was outstanding, and was extremely well attended, despite the late hour which was necessitated by the extremely crowded schedule. Another indication of our society's contribution to the success of the meeting and the outstanding science being conducted by the members of our society was the number of young investigator awards that were won by Microcirculatory Society representatives. I represented the Microcirculatory Society on the awards committee, and it was one of the easiest jobs I had to do at the meeting. Many of the award winners from the Microcirculatory Society were identified and supported by representatives of the other societies on the awards committee, and I had absolutely no difficulty in eliciting the support of the awards committee for our selections for young investigator awards. My only regret regarding these awards was the fact that many deserving presentations could not be recognized because of the limit on the available funds.

In the next phase of our continuing experiment, the Microcirculatory Society will be meeting with the American Physiological Society (APS) under the banner of the Experimental Biology (EB) meetings in 1998 and 1999. The current plan is to merge with the EB'98 meeting on Saturday afternoon after an initial independent component of our meeting on Friday and Saturday morning. An exciting possibility for our meeting with EB'98 is the opportunity of holding our President-elect's symposium and Landis Award lecture during the early portion of the EB'98 meeting in order to increase our visibility and showcase our work to a much larger audience.

The American Physiological Society has warmly

welcomed the Microcirculatory Society for the combined MCS-EB meetings in 1998 and 1999. Dr. Allen Cowley (the current president of APS and a member of the Microcirculatory Society), Dr. Martin Frank (the executive director of the APS) and Dr. Gabriel Navar (the president-elect of APS and a member of the Microcirculatory Society as well) are all committed to making the combined meeting with EB a successful and rewarding experience for all concerned. Dr. Cowley, Dr. Navar, and I have already been discussing strategies that will allow the Microcirculatory Society posters to be presented in a relatively small area to maximize discussion and interaction while providing signage to clearly identify the Microcirculatory Society poster sessions.

The combined meeting of the Microcirculatory Society with EB'98 and EB'99 will enable us to further enhance the interaction of the Microcirculatory Society with scientists who are not currently affiliated with our society, and to showcase our work to a wider audience, as we did in the VB'97 meeting. Important goals of the combined meeting format are to generate more unity among cardiovascular researchers, to support and lend strength to established larger organizations like FASEB and the American Physiological Society that have extensive resources that can be effectively employed to represent our interests as physiologists and cardiovascular researchers, and to help new organizations to grow and prosper without fragmenting the current structure of the cardiovascular research community. Another important benefit of the meeting with Experimental Biology for the next two years is that APS has guaranteed that the Microcirculatory Society will receive revenue equivalent to the amount that we customarily obtain as a result of our spring meeting, thereby enabling us to avoid the type of financial losses that were associated with our participation in the VB'97 meeting. Our goal for the next two years is to provide an outstanding meeting under the combined MCS-EB format in 1998 and 1999 while continuing to evaluate options for our annual meeting that will best serve the needs of our members while helping our society to grow in strength and stature.

One of the major lessons from the VB'97 meeting is that the Microcirculatory Society is a vibrant, exciting, and successful society that can stand and prosper on its own merits, but can also be a tremendous contributor to the success of any combined meeting in which we chose to participate. Our responsibility for the future is to identify and achieve goals that will best serve our members, and, in doing so to take our Society to even higher levels of success and achievement. I am looking forward to working with the members of the Society in order to achieve these goals.

Call for Nominations for Editor of **Microcirculation**, The Official Journal of the Microcirculatory Society, Inc.

The first five year term of our Editor-in-Chief, Dr. Mary Gerritsen, is fast approaching its end. The decision of our Society at the time that the Journal was founded was that nominations for this important position would be called for at each five year renewal. Thus, the Selection Committee, consisting of the Publications Committee and the President of the Society, seeks nominations for this position. The committee will submit a recommendation for the new editor to Council in early fall: this timing is essential if we are to have an orderly transition to the new editor. In order to meet this deadline, nominations or applications must be sent to the chair of the Publications committee (see below) by **August 1st, 1997**. Members are encouraged to contact the chair of the selection committee if they want further information or to suggest possible candidates. Individuals wishing to be considered for the position should send the requested information to the address below.

Brief Description: The Editor-in-Chief of the journal *Microcirculation* is responsible to the Council of the Microcirculatory Society for all editorial and administrative decisions that result in publication of high quality articles in the journal. These responsibilities include appointment of and interaction with Associate Editors; final adjudication of the acceptability of articles for publication; maintenance of all financial records associated with publication of the Journal; interaction with the publishers to maintain timely publication of the Journal; and all other activities that pertain to publication of the Journal in a timely and fiscally responsible manner. The Society expects that the Editor will provide an annual report summarizing the scholarly and financial status of the journal. The Council will provide financial support for the editorial office up to a specified amount (at present \$7500).

Candidates should submit to Dr. Ingrid H. Sarelius, Chair of the Publications Committee

1. A full curriculum vitae.
2. A brief statement of publication experience including review boards and associate editorships or previous editor experience.
3. A short statement of the candidate's vision for the journal and any innovations in procedure or content that would be proposed.
4. A list of three individuals who could act as referees for the candidate's qualification for the editorship.

Dr. Ingrid H. Sarelius
Dept. Pharmacology and Physiology
Univ. of Rochester, Medical Center, Box 711
Rochester, NY 14642
Phone: 716 275 7729 Fax: 716 244 9283

**Deadline for Applications
August 1, 1997**

Secretary's Corner

Retreat at Texas A&M: As mentioned at the Business meeting, it was decided by Council to hold a retreat of the Society leadership (and ALL other interested parties) in late summer to discuss some of the issues that cannot be covered in the limited time of the annual meeting in the Spring. Gerry Meininger has offered to host the retreat at Texas A&M. As this newsletter goes to press, no date has been set. Interested persons should contact Gerry via E-Mail at: gam@tamu.edu. He will then be able to provide you with specific information and

details as the date approaches.

Assistance Please: If you know of anyone who is a member of the Society who did not get a copy of this Newsletter, please have them contact Gina Cappellania as soon as possible. There have been a number of people who did not receive the last newsletter nor have they been sent dues notices. We would like to remedy this as soon as possible. We don't want anyone to be left out! Thanks.

Mary L. Ellsworth

Minutes of Society Business Meeting - April 4,

Dr. Huxley called the annual business meeting to order at 6:14pm in the International Ballroom of the Fairmont Hotel, New Orleans, Louisiana. The minutes of the 1996 meeting were unanimously approved as circulated.

Dick Slaaf invited all members to the meeting of the Dutch-German Microcirculatory Society on Oct. 22, 1997.

The report of the Membership Committee was announced as unanimously approved by Council. There were 11 new regular members, 1 emeritus member, and 3 student members this cycle, and a similar number approved by Council at mid-year.

Jeff Falcone gave the Nominating Committee report of the results of the election as follows: President-elect: Bruce Klitzman; Secretary: Mary Ellsworth; Councilors: Fred Miller and Ron Tuma

A suggestion was made from the Long Range Planning Committee to possibly having a "retreat" in late summer of the Society leadership (and all other interested members) to discuss some of the issues that cannot be covered in the limited time of the annual meeting in the spring. Gerry Meininger offered to host it at Texas A&M and his offer was met with general acceptance.

The Publications Committee reported that the search for a new Editor of our journal will be conducted using a very clear process (approved by Council) as follows: 1. the search committee will consist of the Publications Committee plus the President; 2. the search, including the extent of the Society's financial commitment, will be announced and advertised by the Society; 3. the search committee will collect the qualifications of prospective candidates (a progress report, if they are now the Editor); and 4. the search committee will rank the candidates and the highest ranking candidate will be offered the position. It should be conveyed to all interested candidates that the Society has approved a subsidy of the office of the journal up to \$7,500 annually for the next five years, with the goal for the Journal to be revenue generating and move toward being self-sufficient in that time frame.

The Awards Committee results were announced as follows: Landis Award: H. Glenn Bohlen, Indiana University Travel Award: Donna Wang, Univ. Texas Medical Branch-Galveston; Young Investigator Award: John Mogford, Texas A&M Univ. Innovative Instrumentation Award: Patrick Jensen, Northwestern University Martha O'Donnell suggested that she would like to see increased nominations for the awards from the membership. For some of the awards, there were not many nominations.

The Secretary's report was given by Bruce Klitzman. He indicated that members should be made increasingly aware that we now have Society Managers and that most questions would be handled more efficiently if directed to them instead of the Society Officers.

The Treasurer's Report (detailed report attached) was given by Paul McDonagh. Paul informed us that the Society lost about \$31,000 last year. However, it is not as bad as it first looks. Half of the deficit came from costs that may not be recurring over the long term, such as salary support for the editorial assistant for our journal and decreased revenue (that is, no revenue) from this year's meeting. Also, we have been significantly worse this year about collecting dues from our members; about 35% behind last year. A second dues notice will be sent shortly.

Julian Lombard gave the Program Committee report. There were 461 abstracts submitted to Vascular Biology '97 and that 243 of those (plus one extra demonstration) came from The Microcirculatory Society. Clearly, MCS has had a major impact on the VB'97 programming.

Discussion shifted to the topic of next year's meeting. A straw poll was taken to estimate how many members were staying for EB'97 and about 2/3 indicated that they would stay. Also, about half thought that the scientific content of this year's VB meeting was about the same as most years, while half thought it was worse, while admittedly this was after only one day of meeting with NAVBO and the other sponsoring societies. Three proposals were presented for consideration: 1. to meet independently; 2. to accept the APS invitation as a guest society of EB with \$10,000 going to MCS as "revenue sharing"; and 3. to accept the NAVBO as a co-sponsor of VB'98. No information was available from NAVBO regarding either revenue sharing (splitting of registration fees) or cross-registration (allowing registrants of an independent MCS meeting to attend VB sessions and vice versa). The recommendation of Council to accept the APS invitation was announced. After some discussion, Mary Ellsworth moved to accept the APS invitation. It was seconded and carried unanimously. It was then suggested that we consider future meetings at least two years in advance to enable us to participate better in meeting planning and programming. Alan Groom then moved that we accept, in concept, the APS invitation for 1999, in addition to 1998, while keeping some other options open. The motion was seconded and was approved unanimously.

Bob Gore gave the report of the Web Site Subcommittee. The numerous options were carefully

considered by Bob and the other subcommittee members, including possibilities of the Society owning its own server hardware, creating a "Virtual Server", renting space on another machine, having it on a university-owned machine for "free" (but having no control of the server policies), having a company manage the site for us, managing the site directly ourselves, etc. The purposes of the site would initially be to have Newsletters, the Membership Directory, and other functional information. Council unanimously approved up to \$4,000 to get the site off the ground.

The meeting was adjourned by Dr. Huxley at 7:12pm.

1996-1997 MICROCIRCULATORY SOCIETY INCOME STATEMENT (as of 4/2/97)

Submitted by Paul McDonagh, Treasurer

INCOME

Deposits into Tony Hudetz Acct (4/12-5/31/96)		11,258.53
MCS Dues Payments Received by PFM		
1996	2,560	
1997	22,060	24,620.00
Donations (Hoffman La Roche for WCM Symp.)		2,000.00
Exhibitor Fee (VB '97, Transonics)		800.00
Interest Earned		
Banc One, Savings (7/18-96- 2/28/97)		1,312.63
MCS CDS (4/30/96-3/17/97)		
(CD 1034020): (64,640.09 - 62,000.00) =	2,640.09	
(CD 75312253): (77,487.73 - 74,881.85) =	2,605.88	
MCS '97 Banquet Ticket Payments		4,320
(as of 3/31/97)		20
Secr Acct (Bank Credit)		1,600
President's Acct (Moor Instruments)		
Receivables		
Exhibitor Fee, Perimed {800}		
Banquet Tickets (est tot 200) {3,680}		{4,480}
Total Income (incl. receivables)		\$55,657.13

EXPENSES

MCS '96 (from 4/12/96 Tony's MCS Acct)		
Cash	500	
Hyatt (catering)	410.42	
Brede Services		3,445
Awards	4,400	
Guest Services		15,183
Sound Revolution	405	
AMS	545	
Am Speed Print	138.25	
Fed Ex		428.50
		25,455.17
Miscellaneous (from 4/12/96 Tony's MCS Acct)		
Bank Fees	23	

U of Mo	20	
Julian L.	10	
Follett's Bookstore	6.40	
Dep't of Anesth.	40	
		99.40
From PFMs MCS Banc One Checking Acct		
Bank Fees		70
World Congress		
Awards	7,000	
Cert Prep	300	
Symposium	4,379.36	
Zweifach Award	63.03	11,742.39
AMS		
Copying and Postage	2,382.96	
Mngmt Fees (4K+1.4K)	5,400.00	7,782.96
Speedy Printing		
(MCS Newsletters)		1,241.30
MCS '97 (ie. VB '97)		
Program	2,850	
Bruce K.	100.26	
Internat'l Trim	583	
Banquet Deposit	1,500	5,033.26
Microcirculation		
Journal Subs	15,930	
Ferrante's Salary	7,500	23,430
Tax Return and Mass.		620.00
Fed Ex		3.94
		49,853.85
Secretary's Acct		1,234.78
President's Acct		4,026.50
Payables	NO Paddlewheels	{6,500}
Total Expenses (incl payables)		\$87,239.70

Summary:

Net MCS Income for 1996-1997 =
\$55,657.13 - 87,239.70 = **(\$31,582.57)**

How did we do this??

1. Unusual Expenses (i.e., WCM and Ferrante) \$19,240
 2. Non-Income from MCS '97: \$12,000
- \$31,240.00

MCS Financial Statement: (Total Assets)

MCS Checking (as of 4/2/97)	26,223.88
MCS Savings (as of 2/28/97)	41,312.63
Value of CDs (as of 3/17/97)	77,487.73
	64,640.09
Secr. Acct (as of 2/29/97)	717.71
Pres. Acct. (as of 1/31/97)	2,764.45
TOTAL	\$213,146.49

Microcirculatory Society Committees 1997-98

PLEASE SAVE FOR FUTURE REFERENCE

Committee Members	Term	Telephone number	Committee Members	Term	Telephone number
Executive Council			Membership		
William Jackson	(98)	616-387-5631	John Imig (Chair)	(98)	504-584-3703
Timothy Secomb	(98)	520-626-5631	Joseph Unthank	(98)	317-630-7866
Roger Wagner	(99)	302-831-2284	Pignian He	(99)	916-752-2143
Cynthia Meininger	(99)	409-845-4753	Terry Sweeney	(99)	717-941-7623
Fredrick Miller	(00)	502-852-7562	Donald Buerk	(00)	215-898-9097
Ronald Tuma	(00)	215-221-3656	Lih Kuo	(00)	409-845-7482
Awards			Liason		
Matthew Boegehold (Chair)	(98)	304-293-5240	Virginia Huxley(IUPS)(Chair)	(98)	573-882-8069
Cynthia Meininger	(98)	409-845-4753	James Faber	(98)	919-966-4453
Donna Williams	(99)	573-884-6621	Sarah Gray	(99)	916-752-1972
Geert Schmid-Schoenbein	(99)	619-534-3852	Mary Ellsworth	(99)	314-577-8236
Fay Hansen-Smith	(00)	810-370-3574	Julian Lombard	(99)	414-456-8530
Richard Schaeffer, Jr.	(00)	520-792-1450 x-6036	Long Range Planning		
Finance			Virginia Huxley (Chair)	(07)	573-882-8069
Paul McDonagh (Chair)	(98)	520-626-2329	Gerry Meininger	(06)	409-845-7491
Irving Joshua	(98)	502-852-5371	Fitz-Roy Curry	(05)	916-752-1973
Thomas Skalak	(99)	804-924-0270	Roland Pittman	(04)	804-828-9545
Russell Prewitt	(00)	804-446-5105	Herbert Lipowsky	(03)	814-865-1407
Antal Hudetz	(00)	414-456-5622	Neil Granger	(02)	318-674-6011
Development			Jim Bassingthwaighte	(01)	206-685-2005
Akos Koller (Chair)	(98)	914-993-4134	Harris Granger	(00)	409-845-7816
Mike Flessner	(99)	716-275-9517	Robert Gore	(99)	520-626-6569
Paul Kubes	(99)	403-220-8558	William Joyner	(98)	423-929-6235
Jan Schnitzer	(00)	617-667-3577	Program		
Richard Klabunde	(00)	609-893-1016	Bruce Klitzman (Chair)	(98)	919-970-4414
Ronald Kortius	(00)	318-675-6028	Michael Hill	(98)	03-9468-2354
Historical			Steve Segal	(98)	203-562-2482 x-253
Julian Lombard (Chair)	(98)	414-456-8530	Molly Frame	(99)	716-275-2482
Harold Laughlin	(99)	573-882-7011	Janis Burt	(99)	520-626-6833
Aubrey Taylor	(00)	334-460-7004	Kathryn Lamping	(00)	319-356-2881
Publications			Donna Wang	(00)	409-772-7644
Ingrid Sarelius	(99)	716-275-7729	Nominating		
Joseph Benoit	(98)	334-460-7004	Walter Duran (Chair)	(00)	201-982-4372
Mary Townsley	(99)	334-460-6815	David Zawieja	(98)	409-845-7465
Andrew Greene	(00)	414-456-8532	Donna Carden	(99)	318-675-6885
William Jackson	(00)	616-387-5631	Roger Adamson	(00)	916-752-2180

List of New Members

New Regular Members

Warwick A. Arden, Univ. of Kentucky, Lexington
Donna L. Carden, LSU Med. Ctr., Shreveport, LA
Geraldine F. Clough, Univ. of Southampton, UK
Edward R. Damiano, Univ. of VA, Charlottesville
Michael J. Eppihimer, LSU Med. Ctr., Shreveport
Bingmei Fu, Univ. of California, Davis, CA
Aleksander S. Golub, Med. Coll. VA, Richmond, VA
David Gutterman, Univ. of Iowa, Iowa City, IA
Edward Inscho, Tulane Univ., New Orleans, LA
Andrew J. Lonigro, St. Louis Univ., St. Louis, MO
Diane H. Munzenmaier, Med. Coll, WI, Milwaukee
David C. Poole, Kansas State Univ., Manhattan, KS
Troy Stevens, Univ. So. Alabama, Mobile, AL
Folke Sjoberg, Univ. Hospital, Linkoping, Sweden
Alan H. Stephenson, St. Louis Univ., St. Louis, MO
Randy S. Sprague, St. Louis Univ., St. Louis, MO
Donald G. Welsh, Yale Univ., New Haven, CT
Shenghua Wen, Univ. of Louisville, Louisville, KY
Nicholas F. Wiernsperger, LIPHA/INSERM, France
Patrick Y-K Wong, UMDNJ, Stratford, NJ
William F. Young, Temple Univ, Phila., PA
Hui Zou, Univ. of Massachusetts, Worcester, MA

New Associate Members

Nancy S. Dawson, Texas A&M, College Station, TX
Michoud Edouard, LIPHA/INSERM, France
Guy H. Nelson, Med. Coll. of VA, Richmond, VA
Qinghua Qian, Univ. of Louisville, Louisville, KY

New Student Members

Jameel Ahmed, Northwestern Univ., Evanston, IL
Rajpaul Attariwala, Univ. Calgary, Alberta, Canada
Bharat B. Biswal, Med. Coll of Wis., Milwaukee, WI
Amauri Cruz, NMDNJ, Stratford, NJ
Christopher Kevil, LSU, Shreveport, LA
Dong Mei, Med. Coll. of VA, Richmond, VA
Geoffrey P. Nase, West Virginia, Morgantown, WV
Hongli Zhao, Univ. of Louisville, Louisville, KY

New Emeritus Member (former Regular Member)

Philip M. Hutchins, Bowman Gray, Winston-Salem, NC

Meeting Notices

**1997 Meeting of ISOTT
International Society on Oxygen
Transport to Tissue
August 19-23, 1997
Milwaukee, Wisconsin, USA**

Abstract deadline: June 1, 1997

Information: Antal G. Hudetz

Department of Anesthesiology
Medical College of Wisconsin
8701 Watertown Plank Road
Milwaukee, WI 53226

Phone: (414) 456-5622

FAX: (414) 266-8541

E-mail: ahudetz@post.its.mcw.edu

<http://yinx.mcs.mu.edu/ISOTT97>

Joint Meeting of Dutch and German Microcirculation Societies

October 23rd-25th, 1997

Mainz

Abstract deadline: September 15, 1997

Information: Ulrich Pohl

Institute of Physiology
University of Mainz

FAX: +49 6131 395644

E-mail: ulrich.pohl@uni-mainz.de

<http://www.uni-mainz.de/events.html>

By-Laws of The Microcirculatory Society, Inc.

Approved by the Society membership at the business meeting on March 27, 1993

ARTICLE I. Microcirculatory Society

Section 1. The name of this organization is The Microcirculatory Society, Inc. (hereinafter known as the Society). The official abbreviation for the name is MCS.

ARTICLE II. Purposes

Section 1. The purposes of the Society are to promote an increase in knowledge of the microcirculation and associated phenomena of the blood and other extracellular fluids of the body, and the utilization of such knowledge. The interchange of knowledge, ideas and data can be realized through publication and interaction at national and international scientific meetings.

ARTICLE III. Membership

Section 1. The Society shall consist of regular members, associate members, emeritus members, honorary members, supporting members, and sustaining members.

Section 2. Regular Members. Any person who has contributed to the increase in knowledge of the microcirculation, and is presently engaged in such work, shall be eligible for election to regular membership in the Society. Except in unusual circumstances, a regular member shall hold a doctoral degree. A regular member may attend and participate in the business meetings of the Society and is entitled to one vote.

Section 3. Student Members. Any person who is engaged as a full-time graduate student in a recognized University program, and is actively involved in research on the microcirculation or associated phenomena shall be eligible for election to student membership in the Society. Except in unusual circumstances, a student member shall not hold a doctoral degree. A student member may attend and participate in the business meetings of the Society, but shall not have the right to vote.

Section 4. Associate members. Individuals who are interested in and engaged in work related to the microcirculation, but who do not meet the requirements for regular or student membership, shall be eligible for election to associate membership. Associate members may attend and participate in the business meetings of the Society but shall not have the right to vote.

Section 5. Emeritus Members. On approval by the Council, a regular member, after 20 years of regular membership or on retirement from regular employment, may, upon his or her written request, become an emeritus member. Emeritus members may attend and participate in business meetings of the

Society and shall have the right to vote.

Section 6. Honorary members. Individuals who have distinguished themselves by outstanding contributions in the study of microcirculatory phenomena may be elected honorary members by a special act of commendation. Honorary members may attend and participate in the business meetings of the Society, but shall not have the right to vote.

Section 7. Supporting members. Any regular member who voluntarily contributes \$50.00 or more annually over and above the dues of regular members shall be denoted a supporting member.

Section 8. Sustaining members. Individuals and organizations that have an interest in the purposes of the Society and wish to contribute to its support may be invited by the President, with the approval of the Council, to become sustaining members. Any such membership may be terminated by the President with the approval of the Council. Sustaining members may not attend or participate in business meetings of the Society and shall not have the right to vote.

Section 9. Nomination and election of members. Two regular members of the Society shall join in written proposal of person for regular, student, or associate or honorary membership on appropriate forms provided by the Secretary. The Membership Committee shall receive these proposals and refer them with its recommendations to the President for approval. Those persons whose proposals are approved by the President shall be nominated for election to membership by a mail ballot of the Council. A two-thirds (2/3) majority positive vote by Council shall be required for election.

ARTICLE IV. Officers

Section 1. Council. The management of the Society shall be vested in its Council (all of whom must be regular members of the Society), with powers of direction, consisting of the President, President-Elect, immediate Past-President, Secretary, Treasurer, and six additional regular members elected by the members by mail vote of the membership. The President and President-Elect shall not succeed themselves after having served a full term. The terms of President and President-Elect shall be for one year. The Secretary and Treasurer shall be elected to two-year terms and these officers may succeed themselves for one term. The Secretary and Treasurer shall be elected on an alternating year basis, and the terms of the six additional elected Councilors shall be three years, so elected that only two Councilors are elected each year. Councilors may not succeed themselves to serve consecutive terms. All terms of office shall

begin at the close of the annual meeting of the Society which follows the mail ballot for election. The Council, by majority vote of its remaining qualified members, shall fill any interim vacancy in the office of the President-Elect, the Secretary, the Treasurer, and the Clerk, and may fill a vacancy of a Councilor. The term of office of a person elected to fill an interim vacancy shall expire following the tally of a mail ballot to elect his/her successor.

Section 2. Executive Committee. The Executive Committee of the Society shall be defined as the principal officers, namely the President, the President-Elect, the Past-President, the Secretary and the Treasurer. They shall attend to the ordinary running of the Society, making the decisions required for its smooth functioning. All major decisions shall be subject to the approval of Council or the full membership.

Section 3. President. The President shall preside at all meetings of the Council and business meetings of the Society, and shall be an ex-officio member of all standing committees, and shall have other duties as prescribed in the appendix of these bylaws. The President, after consultation with the Council, shall appoint members of the standing committees where called for in these bylaws.

Section 4. President-Elect. The President-elect shall plan the Annual Meeting of the Society, and undertake other such duties as may be delegated by the President. The President-Elect shall become the next regular President of the Society after completion of the regular term as the President-Elect. In the absence or during the disability of the President, the President-Elect shall have all of the powers and perform all of the duties of the President. Any service as an interim president of the Society shall not reduce the term of the President-Elect as the next regular President of the Society.

Section 5. Past President. The immediate Past President shall chair the Long-range Planning Committee and shall review, and where needed, recommend revisions of the Society's Bylaws, as described in Article X, Section 2.

Section 6. Secretary. The Secretary shall give bond to the Society, if required by the Council, for the faithful performance of his/her duties. The Secretary shall have custody of all documents and papers belonging to the Society (except his/her own bond which shall be kept by the President) and shall safely keep the same, and disburse the orders and rules of the Council. The Secretary shall have custody of a bank account to meet the day-to-day operational expenses of the Society. The Secretary shall give notice of all meetings as required by the bylaws, send out the various customary mailings to the membership, and shall mail to the membership whatever the President or Council desires. The Secretary shall also keep a complete list of the name, title and address of each member of the Society. The Secretary shall keep the minutes of the Council and of Business Meetings of the Society and shall have other duties as prescribed in the Operations Manual. In the absence of the Secretary, the

President shall appoint a temporary secretary to record the minutes.

Section 7. Treasurer. The Treasurer shall give bond to the Society, if required by the Council, for the faithful performance of his/her duties. The Treasurer shall have custody of all monies (except a bank account to meet the day-to-day operational expenses of the Society), debts, obligations, contracts, and other property belonging to the Society (except his/her own bond which shall be kept by the President) and shall safely keep the same, and shall collect all properties and all monies from time to time due and owing to the Society. The Treasurer shall be chair of the Finance Committee to disburse the provision of Article VI, Section 4 of these bylaws.

Section 8. Clerk. The Clerk shall be a resident of the Commonwealth of Massachusetts, and need not be a member of the Society. (The office is required as a condition of incorporation by the Commonwealth of Massachusetts.) The duties of the Clerk of this Society shall be those required by the statutes of the Commonwealth of Massachusetts. Such duties, to the extent permitted by law, may be assigned to others by the Council. The Clerk shall be appointed annually by the President of the Society, and may serve in the Council and Business Meetings, without vote except as a member of the Society.

Section 9. Nomination and election of Officers and Councilors. Nomination for all Officers and Council members of the Society will be obtained by mail on or before December 1 by requesting the membership to propose nominees. The request for nominations will be made in the Society Newsletter preceding the December 1 deadline. Nominations will be sent to the Secretary or to the Chair of the Nominating Committee. For each office, the two persons (who agree to stand for election) with the highest number of nominations will be included on the ballot. In years in which two members of the Council are to be elected, a total of not more than four nominees will be included on the ballot. Once the nominations are complete, each member will receive and return by mail the ballot of officers and Council members. The ballots will be returned to the Secretary or to the Chair of the Nominating Committee for tabulation and determination of outcome. In the event that a majority vote for a given office is not obtained by the mail vote, a secret ballot election will be held as part of the next annual business meeting.

ARTICLE V. Council

Section 1. Management of the Society. The property and affairs of the Society shall be managed and conducted by the Council with powers of directors. The members of the Council shall serve without compensation and shall be called Councilors.

Section 2. Qualifications, Elections and Vacancies. Specified in Article IV, Section 1 and Section 9.

Section 3. Meetings. At least one regular meeting of the Council shall be held during each annual meeting of the Society

members, and for this regular meeting no notices shall be required. Other meetings of the Council shall be held as often as the needs of the Society may require. They may be held at regular intervals determined by the Council, or they may be called by the President or any three members of the Council. The Secretary shall notify each Councilor of each meeting of the Council. A notice in writing, postage prepaid at least 14 days before the meeting, and addressed to each members most recent recorded address shall be sufficient notice of the meetings. Notice of any meeting may be dispensed with if each member of the Council, by writing filed with the records of the meeting, waives such notice. No notices shall be required to be given of any adjourned meeting of the Council.

Section 4. Quorum. A majority of the Council shall constitute a quorum for the transaction of business, but a lesser number may adjourn any meeting from time to time, and a meeting may be held as adjourned without further notice. A majority vote of Councilors in attendance (unless otherwise specified elsewhere), with each entitled to one vote, shall decide any question brought before the Council, except that a majority of the qualified Councilors shall be required for temporarily filling a vacancy of an office. In the event of a tie vote, the President shall then be entitled to two votes.

ARTICLE VI. Standing Committees

Section 1. Standing Committees. Standing committees and their Chairs shall be appointed by the President in consultation with the Council. The term of all standing committee members, except as otherwise provided elsewhere, shall be for three years. However, on adoption of these bylaws, the term shall be one, two, or three years for various committee members, as determined by the Council, so as to provide continuity of committee operation. Emeritus, Honorary, and Sustaining members may be appointed from time to time for terms up to one year. Sustaining members so appointed shall not have the right to vote. The President shall be an ex-officio member of all committees. Guidelines for committee operation shall be approved by Council.

Section 2. Membership Committee. A Membership Committee, composed of three or more regular members of the Society, shall receive and review proposals for nomination to membership, and shall recommend regular, associate, and student nominees for membership to the Society according to Article III, Section 9.

Section 3. Finance Committee. A Finance Committee consisting of the Treasurer (who shall Chair the Committee) and two or more regular members appointed by the President shall receive and evaluate the impact of the various proposed budgets, shall determine the budgets and make recommendations and shall recommend a budget to the Council. This Committee shall supervise the capital investments of the Society, subject to the full authority of direction by the Council.

Section 4. Nominating Committee. A Nominating Committee

composed shall consist of three or more regular members, none of whom shall simultaneously be an officer of the Society or the immediate Past-President. This Committee shall obtain nominations and conduct elections for officers and councilors as prescribed in Article IV, Section 9.

Section 5. Liaison Committee. The Liaison Committee shall consist of the President (who shall serve as Committee Chair), the MCS representative to the US National Committee for the International Union of Physiological Sciences (USNC for IUPS), and the Secretary of the Society, and may include any other Council members at the pleasure of the President. This Committee shall maintain communication with scientific organizations that have interests in common with the Society, and shall officially represent the Society in the international community.

Section 6. Long-range Planning Committee. The Long-range Planning Committee shall consist of the ten (10) most recent Past-Presidents and shall be chaired by the immediate Past-President of the Society. This committee shall consider all aspects of society affairs to identify major issues of importance to the Society and to recommend future strategies and new policy directions for society function.

Section 7. Development Committee. The Development Committee shall consist of three or more regular members of the Society. This committee shall seek new supporting and sustaining members of the Society, and shall consider and recommend fund-raising activities for Council consideration. Upon request of the President, this committee shall implement Council-approved fund-raising activities on behalf of the Society.

Section 8. Historical Committee. The Historical Committee shall consist of three or more regular members of the Society. This committee shall seek, identify, and obtain information, documents, films, and other items which have historical significance to the Society. This committee shall maintain updated lists of past officers and recipients of Society Awards.

Section 9. Awards Committee. An Awards Committee, composed of six regular members, shall solicit from the voting membership the names of candidates for any awards that the Council has authorized. After selection of the candidates is made by the Awards Committee, the names of the candidates shall be approved by the President and the Council prior to any announcement of the awardees. Announcements of the winners of awardees should be made known to voting members of the Society prior to the Annual Society scientific meeting.

Section 10. Program Committee. The Program Committee shall be chaired by the President-Elect of the Society, serving a 1 year term. Members of the Committee shall be appointed for 3 years, by the President. The Committee shall: a) Serve as the liaison to the program committees of other societies or associations with whom the MCS may meet; b) Make recommendations, to be

approved by the Executive Committee of the MCS, with respect to: program style and format, commitments to other societies, local arrangements, appointments to the program committees of umbrella associations.

Section 11. Publications Committee. The Publications Committee shall consist of a Chair and at least two other members of the Society, appointed by and responsible to the Council of the Society. The Chair of the Committee is an ex-officio member of Council, without vote. The President, Treasurer, and Secretary of the Society are ex-officio members of the Committee, without vote. The duties are to oversee the journals and other publications of the Society, particularly with respect to the scientific quality of the journals and the fiscal interests of the Society. They shall appoint Editors and editorial boards, prepare an annual summary report and an annual financial report, and in general, manage the publications of the Society under the policies determined by Council.

Section 12. Representative of the MCS to the US National Committee of the International Union of Physiological Sciences. This position is to be filled by an appointee of the President of the MCS. The appointment is for three years, or four, designed to fit with the time interval between IUPS Congresses. The appointee should be a senior member of the Society, suitable to represent the Society's interests in international planning not only of scientific meetings but in providing international leadership in science and education. Reappointment for a second term is allowable, in accord with IUPS committee rules.

Section 13. Other Committees. The President may appoint temporary (ad hoc) committees as desired. The term of office of these temporary committees shall end with the next annual business meeting of the Society following such appointment, or earlier as the President desires.

ARTICLE VII. Dues

Section 1. Annual Dues. Dues for members, in accordance with Article III, shall be proposed by the Council but shall be determined by majority vote of those voting at the annual business meeting of the Society. Dues shall be paid October 1 for the current fiscal year and shall be in arrears on December 31. Special assessments may be proposed by the Council but shall be determined by majority vote of those voting at the annual business meeting of the Society.

Section 2. Non-payment of Dues. Any member whose dues are two years in arrears shall cease to be a member of the Society, unless that person pays all dues in arrears and is reinstated by the Treasurer. The Treasurer shall notify the delinquent of the right to request reinstatement of membership at least one time after dues are two years in arrears.

Section 3. Emeritus Members. A regular member who has been granted emeritus membership will be relieved from dues payment for the current and subsequent fiscal years.

ARTICLE VIII. Meetings of Society Members

Section 1. Annual Meeting of Members. The Society shall hold an annual meeting of members, for the transaction of business, and for presentation of scientific communications and related activities. Such annual meetings shall be held each year at a time and place designated by the Council and approved by the membership. The time and place for the annual meeting shall be chosen at least twelve months in advance at an annual business meeting. The place, day, and hour shall be specified in the notice of any meeting of the Society.

Section 2. Special Meetings of Members. Special meetings of members shall be called by the Secretary or any other officer upon the request of the President or the Council or on the written request of one-quarter of the members entitled to vote. The current list of members with their addresses shall promptly be made available to any member entitled to vote, on request, but shall not be utilized by anyone for purposes not directly pertaining to the business of the Society without the written permission of the President.

Section 3. Notice to Members. Notice of all a meetings of the members shall be mailed to each member not less than 30 nor more than 180 days before the meeting, but no notice shall be required if every member entitled thereto, or his/her attorney thereunto, authorizes, by a writing which is filed with the records of such a meeting, a waiver of such notice.

Section 4. Quorum for Annual and Special Meetings. At all meetings of members of the Society, 40 regular members, present in person and entitled to vote, shall constitute a quorum, but less than a quorum shall have power to adjourn from time to time until a quorum be present. No member shall cast a ballot by proxy at any meeting of the Society.

Section 5. Parliamentary Authority. The rules contained in Roberts Rules of Order, Revised, shall govern the conduct of the business meetings of the Society in all cases to which they are applicable and in which they are not inconsistent with the bylaws or special rules of order of the Society.

ARTICLE IX. Miscellaneous

Section 1. Prohibitions. Notwithstanding any provision of these by laws which might be susceptible to contrary interpretation:

- a. The Society is organized and operated exclusively for scientific and educational purposes.
- b. No part of the net earnings of the Society shall accrue to the personal benefit of any member except as provided by the Society awards (Article VI, section 9).
- c. No substantial part of the activities of the Society shall consist of carrying on propaganda, or otherwise attempting to influence local, state, or national legislation, except with respect to science policy or to other special issues such as the obligations to perform biological experimental studies. The Society shall not participate in or intervene in any campaign of any candidate for government public office/

d. No substantial part of the activities of the Society shall consist of carrying on propaganda, or otherwise attempting to influence local, state or national legislation. The Society shall not participate in or intervene (including publishing or distribution of statements) in any campaign of any candidate for governmental public office.

e. The Society is not organized for, nor is it to be operated for profit.

f. The membership list of the Society shall not be supplied to anyone for any purpose except as provided under Article VIII, Section 2, or except as specifically provided by Council.

Section 2. Fiscal Year. The fiscal year of the Society shall end with the 30th day of June of each year.

Section 3. Audit. All statements of net assets and related statements of income, expenditures, fund capital, and liabilities shall be audited annually in accord with the statutes of the Commonwealth of Massachusetts. The audit will be made annually by the Finance Committee and every third year by an independent auditing firm.

Section 4. Term of Office. Where a term of office is stated in years, a year is to be considered as extending from the end of one annual business meeting to the end of the following one.

Section 5. Operations Manual. The Secretary of the Society shall maintain an operations manual providing outlines of procedures found useful by the Executive Council and Committees of the Society.

ARTICLE X. Amendments.

Section 1. Amendments. These bylaws may be amended, altered or repealed at any business meeting of the Society members by a vote of two-thirds (2/3) of the regular members in attendance and entitled to vote, provided notice of the proposed repeal, alteration or amendment, with a statement of the substance thereof and of the Articles to be affected thereby, is given in the call for the meeting. Approved bylaw changes will be added to the published bylaws by the immediate Past-President as stipulated in Article IV, Section 5.

Section 2. The Past-President shall review the Society Bylaws, incorporate approved changes following the annual business meeting of the Society, and submit a complete copy of the Bylaws to the President at least 3 months prior to the next annual meeting. Any proposed changes that require Council and membership approval shall be presented in a complete copy of the Bylaws, labeled with proposed revisions. All words and phrases deleted from existing approved Bylaws shall be indicated by a horizontal line through them. All new words and phrases shall be indicated by continuous underlining or italics.

Past-President's Message of Thanks

I would like to thank everyone in the Society for participating in the "experiment" on VB'97 and contributing to its scientific success. Obviously what the membership cherishes in its annual meeting are the small size, excellent science, the contributions of members at all stages in their careers and the extended, open conversations about our science. In the coming years we will be struggling to balance these components with the need to interact with other fields to share and refresh our knowledge, obtain new information, and introduce our students to allied endeavours.

I would also like to thank the members of the Societies' committees and their chairs for all of the work they have done, usually unhearded, to help the Society reach its goals. Finally, I would like to acknowledge the members who accept the nominations to stand for elected office and fail to win the post. Any healthy Society needs choices. Members allowing themselves to stand for office make as large a contribution as those who end up serving and we should remember to thank them for being willing to take the responsibility to serve even if they end up not being called to office this time around.

Virginia Huxley

