

The Microcirculatory Society, Inc.

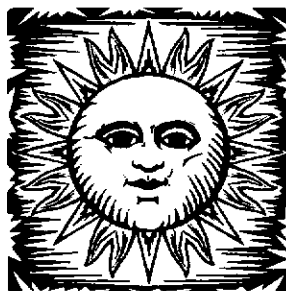
Newsletter

Volume 26, Number 1

June, 1998

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Problems or General Comments, please contact:

Jeanne Embrey
at

Associated Management Services
E-Mail: JME@plasticsurgery.org
phone: (847) 228-8375

President's Message

Bruce Klitzman

New Publisher For "Microcirculation"!

The Society has signed a contract with Stockton Press (publisher of Nature and Scientific American, among other journals) for publication of "Microcirculation" for a minimum of five years. The proposal from Stockton was quite progressive and showed that they have great insight into this market and believe that the journal is now poised to develop its full potential. As was indicated very carefully by Ingrid Sarelius at the annual business meeting, we had difficulties with Wolters Kluwer in fulfilling the terms of the last year of our publishing contract. Kluwer recently acquired Thomson, which had acquired Chapman Hall, our original publisher, two years ago. Evidence of Stockton's strong desire to get started with our journal is demonstrated by the fact that they have agreed to circumvent our problems with Kluwer by beginning publication immediately, one year ahead of schedule. This is a reassuring sign of the character and commitment of our new publishers. I want to thank all of the authors of articles in our first and second issues of the 1998 volume for being understanding of the unexpected and extremely difficult position in which we found ourselves at the beginning of April when we were first informed of Kluwer's intentions to halt publication. In a sign of the Society's sincere appreciation, on behalf of the Society, the Executive

Council would like to extend those authors who are Society members, a one year free Society membership.

Neil Granger To Be Editor Of "Microcirculation"

Mary Gerritsen is finishing her final year as the inaugural Editor of "Microcirculation". Mary has done a tremendous job getting our journal off to a rapid start. The high citation rate (that will eventually determine the "Impact Factor" of the journal) have been truly remarkable for a journal in only its fourth year of publication. One factor in the unusually high citation rate is the notable quality of the reviews, as well as the original research articles. I encourage everyone to submit your best manuscripts for publication in our journal in order to insure its long term success. Also, the financial success of the journal relies on institutional subscriptions. Please encourage your libraries to put "Microcirculation" on the list for new acquisitions. It is a very inexpensive journal at an annual price of only about \$325. Also, if your library does subscribe, please go by and use the journal by checking it out. The library usually tracks number of times a journal is checked out, and sometimes even tracks the number of times it has to be re-shelved, as a sign of the usage by its patrons.

Journals that do not have much "usage" are in danger of being cancelled.

Final Year of "Paper" Newsletters

We would like to have this be the final year of "paper" newsletters. By this time next year, we hope to go to a strictly "on-line" newsletter. This will save us about \$3,000 per year, a lot of time and aggravation and many trees. Also, last minute information about abstract submission, award nominations, officer nominations, and meetings can be efficiently conveyed to the members.

Banquet Congratulations to Mary Ellsworth for organizing the most enjoyable banquet yet! Those that were lucky enough to attend had a playful evening with all the demonstrations at the Exploratorium. There are an amazing number of details to be worked out for having our banquet in such a fun-filled and inspiring place. Anything outside of the uninspiring chicken dinner in a hotel ballroom takes lots of work. Many thanks, Mary!

The Society should consider better ways of predicting how many members will attend the banquet, especially without control of meeting registration revenues. One answer is to "guarantee" fewer people so that the Society is not taking such a big risk. The result is that there may be many members and guests who will not be able to attend the banquet and awards ceremony. Another way is for us to make the pre-sale of banquet tickets much, much more financially attractive. Only 90 tickets were sold by the time when we had to commit to the caterers a final number of attendees. It is a guessing game every year to try to tell how people will want to attend the dinner.

Web Page: <http://microcirc.org>

Congratulations to Bob Gore and his merry band of ad-hoc web site committee members for a truly wonderful job putting together an attractive and functional web page for our society. It is not easy to decide how much information to put onto the site and, more importantly, what to keep OFF of the site to prevent it from being cluttered. I

encourage everyone to visit the site and let Bob know what you like, what you don't like, and what you think should be added.

Service

The importance of serving the Society when called upon to help out cannot be over emphasized. I am reminded of the story of Farmer Jones who is approached by Father Patrick, the priest at Jones' church. Fr. Patrick: "Farmer Jones, if the Lord blessed you with 5,000 cattle, would you give 500 each year to your church?"

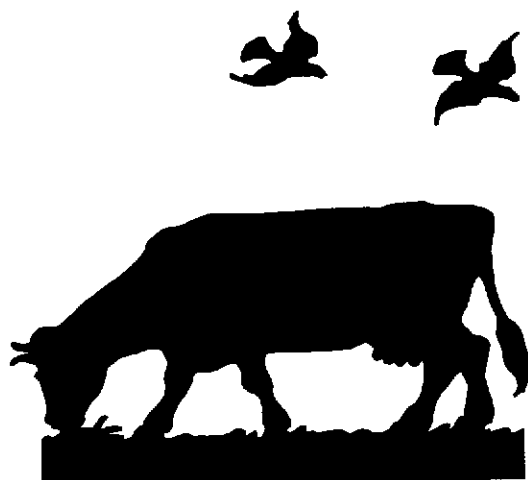
Jones: "Why, of course, Father. It's only fair to give one-tenth of our blessings back to Him who has graced us."

Fr. Patrick: "And if the Lord blessed you with 500 cattle, would you give 50 each year to your church?"

Jones: "Why, of course, Father."

Fr. Patrick: "And if the Lord blessed you with 50 cattle, would you give 5 to your church?"

Jones: "Now wait a minute, Father! That's not fair. You KNOW that I have 50 cattle!"



Minutes of Society Business Meeting - April 17, 1998

The annual business meeting was called to order at 4:10 in Room 304/306 of the Moscone Convention Center, San Francisco, CA by Dr. Julian Lombard.

The minutes of the 1997 Business meeting were approved as circulated in the June 1997 Newsletter.

An announcement was made of the vacancy on Council resulting from the election of Dr. Ron Tuma as President-elect. The membership was informed that council had approved Walter Durán to fill the vacancy until a new council member can be voted on by mail ballot. The 2 unsuccessful candidates from the last election will be placed on the ballot with additional nominations requested from the membership in writing.

The addition of new members was announced; 9 regular, 1 associate, 3 student and 1 emeritus.

Dr. Walter Durán reported that there were very few nominations for officers (~40) and requested that the membership increase their contribution to this very important aspect of the Society. The new officers elected are: President-elect, Ron Tuma; Treasurer, Paul McDonagh; Councilors, Ed Messina and James Faber.

The Awards Committee results were announced as follows: Landis Award - Dr. D. Neil Granger, LSU School of Medicine, Shreveport; Travel Award - Jeff Falcone, University of Louisville; Innovative Instrumentation Award - Drs. Rajiv Baveja, Jian Zhang and Mark Clemens, UNC-Charlotte; and Young Investigator Award - Mayumi Kajimura - University of Louisville. Dr. Lombard thanked Bill Halperin and Living Systems for supporting this year's Instrumentation award.

Announcement was made of the Christian Crone award, a gift of a long standing member who wished to remain anonymous. The award is designed to provide young scientists from outside of North America to visit labs in North America. It was also reported that the Gerritson Award, given for the best review published in *Microcirculation* was being sponsored this year by Texas A&M.

Dr. Lombard discussed briefly the need to identify problems being had by the membership with Associated Management. Problems should be noted and passed along to Dr. Klitzman.

The Secretary's report was given by Mary Ellsworth. She informed the membership that the Web site would be a good place to get up to date information on Society activities. She thanked Dr. Bob Gore for his efforts in establishing the site and his efforts were applauded by the membership. We will work on establishing a means to notify the membership that the Newsletter is available on the Web site where it appears several weeks before being found in the mail. A request was also made

to try to have the membership make plans regarding attendance at the Banquet prior to the meeting to help with planning.

The Treasurer's report was given by Dr. Paul McDonagh. More upbeat message than last year. Noted the expenditures for the Retreat at Texas A&M which was mostly underwritten by them. Indicated that Society money is being invested in an Asset Allocation Fund with Vanguard. The current \$9,000 will be increased to \$81,000 as approved by Council. APS returned \$10,000 to the Society for our participation in EB as a guest Society of APS. The bottom line was a small net gain which was better than the significant loss the Society suffered last year. The report was accepted by the membership.

The Report of the Publications Committee was given by Dr. Ingrid Sarelius. The new editor selected is Dr. D. Neil Granger whose term begins 1/1/99 and runs for 5 years. He is involved in renegotiating a new contract which has been problematic in large part resulting from the buy-out of Chapman and Hall by Kluwer. 2 proposals and 1 letter of intent were solicited. Our Society's requirement that we retain title to the Journal limited the number of proposals submitted. Working on drawing up a new contract. The 1998 Journal is caught in limbo. 2 issues are ready to be mailed and one is in the works. Every effort is being made to get it out as quickly as possible and she requested that the membership be patient. Dr. Jim Bassingwaight raised the issue of self publication, which has certainly been considered and may be a last resort. Dr. Lombard assured the Society that all was being done to resolve this issue as quickly as possible.

Next meeting of the Society in Washington, D.C. in April of 1999 with EB.

New Business: Dr. Tony Hudetz addressed the question of name tags for the meeting, a problem which resulted from EB not opening registration until Saturday morning. Hopefully this can be resolved next year

The meeting was adjourned at 4:47 p.m. by Dr. Lombard.



1997-1998 Microcirculatory Society Income Statement (as of 4/14/98)

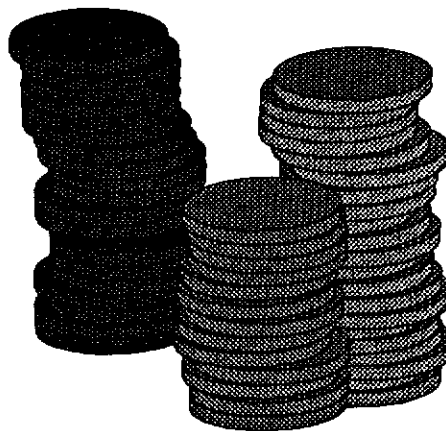
Submitted by Paul McDonagh, Treasurer

MCS Assets	As of	Amount	MCS Assets	As of:	Amount
MCS Checking Acct.	Statement dated 4/8/97	\$26,151.63	MCS Checking Acct.	Statement dated 4/8/98	\$25,232.50
MCS Savings Acct	Statement dated 3/31/97	\$41,464.31	MCS Savings Acct	Statement dated 3/31/98	\$43,312.58
Certificates of Deposit					
1034020	Phone call 3/17/97	\$64,640.09	1034020	Phone call 4/2/98	\$68,354.31
75312253	Phone call 3/17/97	\$77,487.73	75312253	Phone call 4/2/98	\$81,745.90
Secretary's Acct	Phone call 2/29/97	\$717.11	Vanguard Asset Alloc.	Phone call 4/2/98	\$10,095.52
President's Acct	Phone call 1/31/97	\$2,764.45	Secretary's Acct	Phone call 4/14/98	
				(approx)	\$402.00
Total Assets	4/8/97	\$213,225.32	Total Assets	4/14/98	\$229,142.81

Summary Ledger

Name	Purpose	Receipt	Expenditure
NO Paddlewheels	1997 Banquet		5819.22
Fairmont Hotel	1997 MCS Council Meet		143.42
Med Coll Wise	Shipping		74.87
President's Acct	Closed Pres. Check. Acct		2764.45
Deposit	from Pres's checking Acct	2764.45	
Deposit	Sale of 1997 banquet tickets	3355.00	
Deposit	Perimed Exhib. 97 Meeting	800.00	
MCS Award	1997 MCS Awards		5000.00
John Rozum	WEB Page		2863.75
IT Publishing	Journal Receipts		472.96
Deposit	1997 Dues	8750.00	
AMS	Operations		1989.82
AMS	Mngmt Fees 7/96-12/97		4946.20
MCS Council	Reimburse for Retreat Exp		3663.01
Mary Gerritsen	MCS Contrib for Journal		7500.00
Deposit	Donation for Crone Award	2000	
Deposit	Dues rec'd for Eur. Soc.	1592.52	
European Society	Settlement w/ Eur Soc		1592.52
Vanguard	Check/Asset Alloc. Fund		9000.00
Vanguard	Asset Allocation Acct		9000.00
Deposit	1998 Dues	23640.00	
Mary Gerritsen	Funds for Journal Acct	11625.15	
ITPS Publishing	Vol 4. 520 subs @\$30ea		15600.00
CPAs	CPAs Tx Rep & Non Prof Rep		822
Perfect Palate	1998 MCS Banquet		4990.34
Perfect Palate	Exploratorium Rental		3100.00
Gretchen Ferrante	J Mngmt Fee & Operations		4675.00
Mary Ellsworth	Adobe Pagemaker		211.91
Photocopy Services	MCS Directory Print & Ship		1281.36
Deposit	1998 Banquet Tickets	5055.00	
Deposit	Texas A&M for Retreat	1477.10	
Deposit	Halpern for Instrum Award	500.00	
Deposit	Lombard for Founder's Fund	60.00	
Deposit	ITPS Royalty for 1996	430.50	
Deposit	APS for part in EB 98	10000.00	
Deposit	Interest from Savings Acct	1848.47	
Deposit	Earnings from CD 1034020	3714.22	
Deposit	Earnings from CD 75312253	4258.17	
Deposit	Vanguard Acct to 4/2/98	1095.52	
Totals		91966.10	76510.83

Don't Forget to Pay Your Dues!



We have a new person at Associated Management, Jeanne Embry. Her phone number and E-mail address are on page 1. She will be happy to accept your checks. Also, if your entry in the MCS directory was incorrect, please contact her so we can maintain an accurate membership list. Those who updated their entry at the meeting don't need to do it again. It should be all taken care of.



Microcirculatory Society Committees 1998-1999

Committee Members Term Telephone number

Executive Council

Roger Wagner (99) 302-831-2284
 Cynthia Meininger (99) 409-845-7562
 Frederick Miller (00) 502-852-3656
 To Be Elected (00)
 (Walter Durán, interim) 973-972-4372
 Edward Messina (01) 914-594-4099
 James Faber (01) 919-966-4453

Awards

Donna Williams (Chair)(99) 573-884-6621
 Geert Schmid-Schoenbein (99) 619-534-3852
 Fay Hansen-Smith (00) 810-370-3574
 Richard Schaeffer, Jr. (00) 520-792-1450
 x-6036
 Steven House (01) 973-761-9052
 Irving Joshua (01) 502-852-5371

Finance

Paul McDonagh (Chair) (00) 520-626-2329
 Thomas Skalak (99) 804-924-0270
 Russell Prewitt (00) 804-446-5105
 Antal Hudetz (00) 414-456-5622
 Odile Mathieu-Costello (01) 619-534-2790

Development

Paul Kubes (Chair) (99) 403-220-8558
 Mike Flessner (99) 716-275-9517
 Jan Schnitzer (00) 617-667-3577
 Richard Klabunde (00) 609-893-1016
 Ronald Kortius (01) 318-675-6028
 Mark Dewhirst (01) 919-684-4180

Historical

M. Harold Laughlin (99) 573-882-7011
 Aubrey Taylor (00) 334-460-7004
 Bob Gore (01) 520-626-6569

Nominating

Walter Durán (Chair) (00) 973-972-4372
 Donna Carden (99) 318-675-6885
 Roger Adamson (00) 916-752-2180
 Thomas Skalak (01) 804-982-3870

Committee Members Term Telephone number

Membership

Pingnian He (Chair) (99) 916-752-2143
 Terry Sweeney (99) 717-941-7623
 Donald Buerk (00) 215-898-9097
 Lih Kuo (00) 409-845-7482
 John Barker (01) 502-852-4675
 Robert Hester (01) 601-984-1816

Liason

Virginia Huxley (Chair) (98.5) 573-882-8069
 Sarah Gray (99) 916-752-1972
 Mary Ellsworth (99) 314-577-8236
 Julian Lombard (99) 414-456-8530

Long-Range Planning

Julian Lombard (Chair) (08) 414-456-8530
 Virginia Huxley (07) 573-882-8069
 Gerry Meininger (06) 409-845-7491
 Fitz-Roy Curry (05) 916-752-1973
 Roland Pittman (04) 804-828-9545
 Herbert Lipowsky (03) 814-865-1407
 Neil Granger (02) 318-674-6011
 Jim Bassingthwaighte (01) 206-685-2005
 Harris Granger (00) 409-845-7816
 Robert Gore (99) 520-626-6569

Program

Ron Tuma (Chair) (99) 215-221-3656
 Molly Frame (99) 716-275-2482
 Janis Burt (99) 520-626-6833
 Kathryn Lamping (00) 319-356-2881
 Donna Wang (00) 409-772-7644
 Donald Buerk (01) 215-898-9097
 Mark Clemens (01) 704-547-4040

Publication

Ingrid Sarelius (Chair) (99) 716-275-7729
 Mary Townsley (99) 334-460-7004
 Andrew Greene (00) 414-456-8532
 William Jackson (00) 616-387-5631
 Maria Siemionow (01) 216-444-9419

List of New Members

Regular Members:

Tak Yee Aw, LSU Medical Center, Shreveport, LA
Qiaobing Huang, Texas A&M University, College Station, TX
Anthony G. Harris, Inst. Surg. Res., Klinikum Grosshadern, Munich
Andrzej P. Kudelka, M.D. Anderson Cancer Center, Houston, TX
David J. Lefer, LSU Medical Center, Shreveport, LA
Yanping Liu, Medical College of Wisconsin, Milwaukee, WI
Randolph H. Stewart, Texas A&M University, College Station, TX
Chi-Ming Wei, Univ. of Maryland, Baltimore, MD



Associate Members:

Jefferson C. Frisbee, Medical College of Wisconsin, Milwaukee, WI
Jingcheng Yu, Univ. of Western Ontario, London, Ont. CANADA

Student Members:

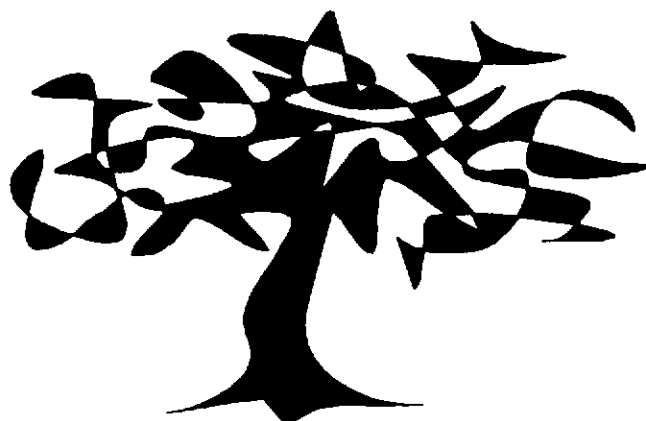
Todd M. Fruchterman, University of Louisville, Louisville, KY.
Mary K. Henzel, University of Louisville, Louisville, KY.
Matthew Walker, III, Tulane University, New Orleans, LA.

Emeritus Member: (former Reg. member)

Francis P. Chinard, New Jersey Medical School, Newark, NJ

The Society thanks Dr. John Imig and his committee for their efforts in reviewing new society membership applications for 1997-1998.

Please note that the new Chairman of the Membership Committee is Dr. Ping He, Department of Human Physiology, University of California - Davis. Application forms can be downloaded from our Web site. Keep our Society growing!



Special Election to Fill Council Vacancy

The election of Ronald Tuma as President-Elect has left a vacancy on the Executive Council. According to the Society By-Laws, this position is to be filled by a special mail ballot. As was mentioned at the Business meeting, Council decided to place on the ballot the two individuals who had unsuccessfully run for Council in the last election as well as any others submitted to the nominating committee. When this Newsletter went to press, no other nominations had been received. Thus, the two candidates for the position are Harvey N. Mayrovitz and Thomas C. Skalak. The Biographies of these two individuals are provided below. A ballot is enclosed. This ballot should be returned to Walter Duran no later than 5:00 P.M. EDT, August 1, 1998.

Biographies of Nominees for Council Vacancy

HARVEY N. MAYROVITZ, Ph.D.: is currently the Director of Cardiovascular Research of the Miami Heart Research Institute where he has been conducting research for the past 20 years. He has authored or co-authored about 200 scientific publications and presentations in the area of cardiovascular science and medicine. His present research focus is the clinical aspects of human microcirculation. He received his Ph.D. from the University of Pennsylvania in Philadelphia where he was born and raised. He received post-doctoral training at Temple Medical School and at the Medical University of Rotterdam. In addition to his research endeavors he is active in teaching as an adjunct professor in physiology at Temple Medical School and in Biomedical Engineering at the University of Miami. He has been a member of the Microcirculatory Society for 25 years and has served on numerous committees during this time. He has served as associate editor for *Microvascular Research* and is a contributing editor for a number of cardiovascular journals. He is an active member of the American Heart Association Council on circulation and serves as an advisor to several other scientific societies and cardiovascular based industries. He and his wife, the former Sandra Joyce Klevan, have been married for 35 years and have two children and several grandchildren.

THOMAS C. SKALAK, Ph.D.: Present Position: Professor of Biomedical Engineering, University of Virginia; Education: B.E.S., The Johns Hopkins University, 1979, Bioengineering; Ph.D., University of California, San Diego, 1984, Bioengineering; Previous Positions: Teaching Assistant, Continuum Mechanics and Biomedical Engineering Laboratory, University of California, San Diego (1979-1984); Research Fellow, California Heart Association, Dept. of AMES-Bioengineering, University of California, San Diego (1984-1986); Assistant Professor of Biomedical Engineering, University of Virginia (1986-1992); Associate Professor of Biomedical Engineering, University of Virginia (1992-1997); Professor of Biomedical Engineering, University of Virginia (1997-present); Professional Societies: Microcirculatory Society, Finance Committee, (1996-1999); European Society for Microcirculation; Biomedical Engineering Society, Finance Committee, (1988-1991); National Representative to the Association for the Advancement of Medical Instrumentation, (1988-1990); Organizing Committee, Fall Meeting, (1991) Board of Directors, (1996-1999); Editorial Boards: Microcirculation; Honors and Awards: Abbott Microcirculation Award, 1984 Travel Award of the European Soc. for Microcirculation, (1984) California Heart Association Research Fellow; (1984-1986) NIH Research Career Development Award, (1990-1995); Director, Whitaker Foundation Center for Engineering of Wound Prevention and Repair (1995-present) Regular Peer Review: National Science Foundation, Division of Emerging Engineering Technology,

Request for comments on changes to the Society's By-Laws.

Changes in the way our Society does business, requires that our by-laws be periodically modified. Dr. Virginia Huxley, in her role as Past-President, has made significant modifications to the by-Laws which were last approved in 1993. Additions are indicated in ***bold italics*** with deletions indicated by a line through them. It is now time for the members of the Society to look over the alterations and make any and all suggestions deemed appropriate. Comments should be sent to Dr. Huxley via E-mail at: *physfrog@muccmail.missouri.edu* prior to November 1, 1998. A final version of the by-Laws will be published in the December Newsletter and posted on the Society Web Site (*microcirc.org*). The revised by-Laws will be voted on at the next Society Business meeting in Washington D.C. in April, 1999.

Proposed Amendments to the By-Laws, The Microcirculatory Society, Inc.

(previously 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 *the* 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 written* 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 written* 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 written* 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 inform* 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, *fax*, or *e-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, *fax*, or *e-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 *written* 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 Presi-

dent 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), *the MCS member appointed liaison to the European Societies of Microcirculation, the MCS members appointed to the International Liaison committee*, 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, *plan meetings for the Society for 3 years in advance of the next annual meeting*, 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. Programs and Meetings 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) *follow up on the recommendations to Council and the membership from the Long Range Planning Committee for the meeting(s) proposed for up to three years in advance.* ab) Serve as the liaison to the program committees of other societies or associations with whom the MCS may meet; bc) 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. *The ownership of the title "Microcirculation" and the copyright of material published in the journal shall be held by MCS. The term of the Publications Chair will be set to provide continuity during the time that contracts with publishers are negotiated or Editors of the Journal are chosen. When these decisions are being made, the term will likely be for two consecutive years.*

The Editor of the journal will be appointed by Council for a five year term and no individual will serve more than two consecutive five year terms.

The appointment of Editor will be at the recommendation to Council by a committee which will consist of the Publications Committee plus the President of the Society. The Chair of the Publications Committee will chair this committee.

The Editor will nominate the Associate Editors and the Editorial Board. These appointments will be submitted to Council for approval. The Editorial Board members will be appointed for a two year term with one third of the Editorial Board being ineligible for reappointment to a consecutive term. All members of the Editorial Board must be members of MCS.

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. Representative of the MCS to the European Societies for Microcirculation (ESM). 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 requirement of ESM. The appointee should be a senior member of the Society, who participates in the European Microcirculatory Society meeting, suitable to represent the MCS'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 ESM rules.

Section 13. Representatives of the MCS to the International Liaison Committee. These three positions are 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 World Congresses. The appointees should be senior members 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.

Section 15. Communications Committee. The Communications Committee shall consist of a Chair and at least three other members of the Society, appointed by the President of the Society for up to three year terms. This committee shall be responsible for the oversight of the Society's web page. The Society web site address, microcirc.org, is the property of MCS. The committee's other primary function is to coordinate with the Program and Meetings committee, the Liaison Committee, the Publications Committee, as well as the parties who collect directory, dues, and newsletter information, to keep the membership informed of MCS activities. The Communications committee will develop an annual report and budget for review by Council.

Section 13 16. 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 who is more than one year~~ 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.~~ *If a member is more than one year in arrears, he/she will have to reapply for membership in the Society.*

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 ~~eleven~~ *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~~ *made known* 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 Robert's 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 bylaws 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 *or by mail ballot of the Society members by a three-quarters (3/4) of the regular members* 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
Will appear in the Next Newsletter...Stay
tuned!**