

# The Microcirculatory Society, Inc.

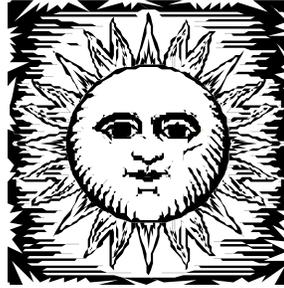
## Newsletter

Volume 29, Number 1

June, 2001

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### Officers

**President:** Ingrid H. Sarelius  
ingrid\_sarelius@urmc.rochester.edu  
**President-elect:** Paul M. McDonagh  
pmcdonag@u.arizona.edu  
**Secretary:** Cynthia J. Meininger  
cjm@tamu.edu  
**Treasurer:** Ann Baldwin  
abaldwin@u.arizona.edu  
**Web Site:** <http://microcirc.org>

## *President's Message*

### *Ingrid H. Sarelius*

Summer is upon us, which means an immediate upregulation in the time available for research, the numbers of students inhabiting (and sometimes even working in) our labs, and of course, travel to an ever expanding variety of conferences covering the wide range of interests of the members of our Society.

I know many of our members will be traveling in August to the 7th World Congress for Microcirculation in Sydney, Australia, and some will be continuing on to the IUPS Congress in Christchurch, New Zealand, and various satellites. We anticipate stimulating meetings, and look forward to establishing new friendships and renewing old ones. In particular, we look forward to reaping the benefits of all the hard work undertaken by a small band of Australasian microcirculationists, (headed so ably by Mike Perry) whose efforts will culminate in the Sydney congress.

To those of you undertaking this mammoth plane trip to the Antipodes for the first time, I offer the following comments. Don't panic, you won't fall off

the bottom of the planet. Yes, the natives speak English (sort of....). If you've never seen the Southern Cross in the night sky, now's your chance. August in regions south of the Tropic of Capricorn means late winter or early spring, which translates into less hot than usual for Sydney, occasional rain, and great sailing opportunities. For Christchurch it means possibly mild weather, hundreds of new lambs, and great skiing.

Wherever your science takes you this summer, from the lab across the hall to a conference across the world, I urge you to take every opportunity to encourage your colleagues from related disciplines to explore the breadth and depth of interests that are typical of our Society's membership. We need new members, and we need you to help recruit them.

Have a great summer!!

# *Minutes of Society Business Meeting - Mar 30, 2001*

The meeting was called to order at 4:20 EST by MCS President Walter Duran in Rm 312 B/C of the Orange County Convention Center.

The minutes of the April 2000 Business meeting held in San Diego, which were published in the Summer 2000 Newsletter, were approved unanimously without modification.

The Secretary indicated that the distribution of the Newsletter electronically (PDF) had been generally well received. She asked that any problems with it should be addressed as soon as possible. There were no comments.

The Treasurer, Dr. Ann Baldwin, provided a report of the current financial status of the Society, a copy of which will be published in the Summer Newsletter. In April of 2000, the Society had \$219,455.84. As of March 30, 2001, the Society has only \$186,924.58. Some of the loss is attributable to a decrease in the value of our Vanguard account resulting from the downturn in the Stock Market. The vast majority of the rest is a result of unusual expenses associated with the Journal. It was necessary to reconcile for issues of the Journal which were contracted for but not paid for due to AMS induced problems with our membership list. She reported that the institution of the credit card system for dues payment has been going smoothly and should easily pay for itself with increased dues payment by members. 48% of the dues payments this year were by credit card. Of the 481 active members, 297 have paid their dues for 2001. This is a marked increase from 2000. However, since the majority of our income is from dues, the nonpayment of dues by 184 members is a drain on our finances and it needs to be reconciled. A paper membership Directory will be sent to all dues paying members in the next several weeks. The membership had no questions.

Dr. Bob Gore, Chairman of the Publications Committee, reported that the Journal interface with the Society is working well. The generation of real addresses and the increased collection of dues have been top priorities. He announced the awards from

the Publication Committee: The Curt E. Wiederhielm Award was presented to Drs. Unsu Jung and Klaus Ley for their paper entitled "Regulation of E-selectin, P-selectin, and intracellular adhesion molecule 1 expression in mouse cremaster muscle vasculature". The Mary A. Gerritsen award was presented to Drs. Thomas Skalak and Richard Price for their paper "The role of mechanical stresses in microvascular remodeling"

Dr. Neil Granger, editor of Microcirculation, provided the membership with information on Journal activities. In 2000, submissions were up 30% with the time from acceptance to publication down significantly, due in large part to the increased number of issues per year (quarterly to bi-monthly). Electronic submission is coming, although not currently available. Nature Publishing is trying to determine the best way to accomplish this. Industry sponsored supplements are an important source of both revenue and visibility for the Journal. A new feature will be the publication of special issues of the Journal devoted to a single topic with a guest editor. The first was published in May of 2000 with a second one due to the publishers June 1, 2001. He encouraged the membership to come up with additional suggestions for future topics. Dr. Granger reported that the Journal's first impact factor of 2.25 is a good one. It is based on 1997-98. A new one will be forthcoming and is expected to be better. Neil then introduced Sue Deeley, Associate Director, Editorial Division and Julia Schulhof, Executive editor (NY) of Nature Publishing. Ms. Deeley indicated that the journal is at the stage where there are good opportunities for enhanced success. The move to 6 issues per year and the associated decrease in publication time (time to 1<sup>st</sup> acceptance and acceptance to publication) are attractive. Its increased visibility will be enhanced by future on-line access. Ms. Schulhof indicated that Microcirculation's association with Nature Publishing Group is having a very positive impact on the Journal and she foresees the journal growing over the next several years.

Dr. Debbie Damon, Chairman of the Member-

ship Committee, reported that her committee had received 28 new applications, 27 had been approved, 1 was still pending. These numbers are similar to the last several years. She supported earlier statements indicating a need to increase membership and suggested the development of a “package” for a membership drive and enabling on line applications.

Dr. Robert McCuskey provided a moving tribute to Dr. Edward H. Bloch who passed away last November. He characterized Dr. Bloch as a “scholar to the end”. This was followed by a similarly moving pictorial account by Dr. Paul Johnson of Dr. J. Harold Wayland’s life, he also having passed away last Fall. Both of these individuals were vitally important to the founding, early and continued growth of both Microcirculation as a discipline and The Microcirculatory Society. Dr. Johnson also informed the Society of the death of Dr. Wayland’s wife, Virginia, in January. Dr. David Shepro then shared with the membership his thoughts on the role these two individuals played in the growth of our Society. He indicated that they each provided a vital spirit, complete with both Imagination and Soul. The Society is indebted to them. These accounts were followed by a Moment of Silence to their memory.

Dr. Ingrid Sarelius, reported on the activities of the Liaison and International Committees. There are two issues; the first is the commitment our Society has for hosting the 2005 World Congress. She strongly urged all members to consider volunteering to help in this meeting’s organization. Dr. Bruce Klitzman has agreed to spearhead the effort but it is far from a “one-man job.” It will take a group effort if we are going to pull this off. Time is getting short! The second issue was to remind the membership of the upcoming World Congress in Sydney in August. Dr. Michael Hill, representing Dr. Michael Perry and the Sydney meeting, provided information on registration, programming, venue, hotels and sightseeing as well as indications of the availability of a number of pre and post conference satellites, and great pictures of Sydney. He suggested that the membership check

out the meeting web site for additional information. The Exchange rate is very favorable for attending the meeting.

The Long Range Planning Committee proposed and received unanimous support for continuing our association with EB until at least 2004.

Dr. Sarah Yuan reported on the outcome of the election. The new officers are: President-elect – Paul McDonagh; Secretary – Cynthia Meininger; Councilors – Matthew Boegehold and Robert Hester. Only a very small percentage of the membership voted and she encouraged more members to get involved with both nominations and elections.

Dr. Ann Baldwin reported that the issues, which came to the Finance Committee this year, included the introduction of the Credit Card payment system and maintenance of the Society’s Vanguard Account despite the downturn of the Market. They considered it a long-term, conservative investment with the likelihood that its value will rebound.

Dr. Paul Johnson reported on the activities of the Historical Committee, Chaired by Dr. Gene Renkin who was unable to attend the meeting. The committee has been active, looking at mechanisms of consolidating the archival materials in a permanent site. One possible location is the future Zweifach Library at UCSD. The goal in the next several years is to compile an account of the 2<sup>nd</sup> 25 years of the Society similar to the one produced for the 1<sup>st</sup> 25 years by George Fulton.

The Awards Committee reported on the 2001 Society awards: The Landis Award was presented to Dr. Donald Heistad; The August Krogh Young Investigator award to Dr. Fuzsina K. Johnson; The MCS Travel Award to Dr. David Stepp; The Christian Crone Travel Award to Dr. Vladimir V. Matchkow; Excellence in Lymphatic Research to Dr. Randolph H. Stewart; The Zweifach Student Awards to Michael B. Kim and Zoltan Ungvari. The Zweifach Award, to be presented in Sydney Australia, goes to Dr. David Shepro.

## Minutes of Business Society Meeting, cont...

Dr. Robert Gore reported on the status of the Web Site. It serves both the membership and outsiders to enhance exposure of the Society. He encouraged the membership to increasingly use it as a center for communication.

Dr. Walter Duran indicated that the number of abstracts was down this year both for MCS and APS. This may be due to the International meetings this summer. He encouraged the membership to attend both the Young Investigator Program organized by Samina Kanwar (Saturday; 1-3) and the President's Symposium (Saturday, 3:15-5:15). He indicated that talks are underway with APS to incorporate more with EB on a scheduling front (Saturday and Sunday) while still maintaining a separate presence at EB. The motion to do so was approved without dissent.

Dr. Duran reported on his perception of the "State of the Society". He indicated that members of our Society continue to receive National Awards. Of note was an award to Dr. Paul Johnson from the Association of Chairmen of Physiology; a PECASE award to Dr. Leslie Ritter and a National Science Medal to Dr. Yuan-Cheng Fung. The good impact factor of the Journal, our Web site, continuing presence of our Society in EB, APS, World Congresses, National and International Liaison committees are all indicators of the health of our Society. We continue to have good attendance at our meeting. However, the Society must continue to recruit new members, determine the reasons for our dwindling numbers and work hard to correct the problems. We need to generate revenues both from dues and outside sources. We need to rekindle member's enthusiasm for the Society and its activities.

Dr. Ingrid Sarelius indicated that her plans as President include finding creative ways to enhance membership and enthusiasm and foster upward momentum.

There being no old or new business, the meeting was adjourned at 5:50 P.M.

Respectively Submitted

Mary L. Ellsworth, Ph.D.  
Outgoing Secretary

### POSTDOCTORAL POSITION MICROCIRCULATORY PHYSIOLOGY

The Virginia Commonwealth University Re-animation Engineering and Shock Center (VCURES; <http://www.vcures.org/>) is pleased to announce the availability of a two-year post-doctoral position in the study of microcirculatory oxygen delivery in skeletal muscle during hemorrhagic shock. The position is funded by a grant from The Department of Defense. The minimum requirements for the position include a Ph.D. in a biologic science or biologic engineering discipline. We are particularly interested in individuals with prior training in microcirculatory techniques. Salary ranges from \$28,260 to \$30,500 depending on experience. Please send a letter of interest, CV, and names and addresses of three references to:

Roland N. Pittman, Ph.D.  
VCURES  
P.O. Box 980695  
Richmond, VA 23298-0695

**E-mail inquiries to:** [vcures@vcu.edu](mailto:vcures@vcu.edu)

Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities and individuals with disabilities are encouraged to apply.

# *Minutes of Executive Council Meeting - Mar 30, 2001*

The meeting was called to order at approximately 8:15 by Society President Walter Duran in Salon 19 of the Rosen Centre Hotel, Orlando, Florida. In attendance were: Ron Tuma, Neil Granger, Ingrid Sarelius, Walter Duran, Bob Gore, Bruce Klitzman, Robert Hester, Debbie Damon, Klaus Ley, Matt Boegehold, Virginia Huxley, Steven Segal, Cindy Meininger, Mary Ellsworth, Paul McDonagh, James Faber, Jeff Falcone, Ann Baldwin, Sarah Yuan, Susan Deeley and Julia Schulhof.

The minutes of the 2000 Executive Council Meeting were approved.

The Secretary reported that the electronic version of the Newsletter has been well received. Only 3 paper copies are being sent at present making work of the Secretary easier.

The Treasurer provided details of her Report (this newsletter). The Society's assets have dwindled due to a decrease in the value of our Vanguard account due to a downturn in the Stock Market. The Society contributed \$10,000 to the World Congress and setting up the Credit Card system was an unusual expense. Journal costs were up this year. "Active" membership is 481 of which 297 have paid their dues for the year.

Bob Gore provided the Publication Committee report (this newsletter). Major projects included the improvement and updating of the Society Directory and implementing the credit card payment system. The hope was to get people to pay their dues which in turn will help the Society support the Journal. Also, there is a need to begin to identify the next editor of the Journal. There was a sentiment that Neil should stay on for a second term. However, he feels that editorial turnover is good for the Journal as it removes the problem of the Journal being considered as "his Journal". Walter stated that he thought Neil's continuing as editor would help build on the momentum he created. Neil believes it is not in the best interests of the Society. It was agreed that the Publications Committee should begin the process of identifying a

new editor by a majority vote. Bob informed the Council of the two publication awards for 2001: The Curt E. Wiederhielm Award which was given to Unsu Jung and Klaus Ley, and the Mary Gerritsen Award which was awarded to Thomas Skalak and Richard Price. Bob proposed that the awards be limited to papers published in the last five years for both, primarily for practical considerations. A five year limitation was moved, seconded and approved unanimously.

Neil Granger provided the Editor's Annual report (this newsletter). He began by introducing Ms. Julia Schulhof, executive editor of Nature Publishing and Ms. Sue Deeley, Associate editor, Editorial Division. Julia indicated that the restructuring of Nature publishing should help the Journal as will electronic submission. More non-member and Institutional subscriptions. In total there are 49 Institutional and 9 personal subscriptions (21 NA (3 personal); 23 European (3 personal); 4 Japan (3 personal); 1 Australia). Papers published in the Journal are mostly from US. (35 US, 7 Europe; 3 rest of the world). The Journal is getting a lot of exposure, many ads in other Nature Journals, Website ads etc. Financially, the Journal did slightly better than "break-even" due in part to the Industry sponsorship. Steve Segal pointed out that the Europeans tend to submit to J. Vascular Research which likely accounts for the lack of European submissions. The Journal still needs to be promoted positively. It has a good Impact factor (2.25); Peer review time is short (7.5 weeks), Publication time is short (4 months).

Sue Deeley followed by indicating that the financial status of the Journal is still in need of bolstering. The losses in '98 (\$20,000) and '99 (\$23,000) with it breaking even this year mean that there is still ~\$40,000 shortfall which needs to be covered to make the Journal profitable and enhance its future viability. Electronic publishing is being worked on. They are looking at a number of possible strategies. Implementation of this aspect should save money and time and will also increase the international nature of the Journal. Electronic access via Web site 1-2 months prior to print pub-

## Minutes of Executive Council Meeting, cont...

lication. World Congress interested in publishing in *Microcirculation*, would be a good idea as it would enhance visibility. We can't cover the cost but might be willing to assist. Down the line it was suggested that we increase the number of international editors. It was suggested that discussions be opened with the *Journal of Vascular Research* regarding possibility of joining forces. There was not a lot of enthusiasm but a motion to open preliminary discussions was approved with 4 in favor and none opposed. Klaus Ley suggested increasing the number of high interest topics such as: angiogenesis, tissue engineering, cytokines. Such topics would enhance industry support. Jeff Falcone suggested increased advertising of special issues to those outside the Society to increase exposure. Ingrid Sarelius reiterated that the Society needs to increase the visibility of "what we do" via *Journal Visibility* and new members. Sue Deeley indicated that there are "sample" issues available for publicity purposes.

Bob Gore put on his hat as the "Web Guy" and provided his report on the status of the Web site (this newsletter). Some of the goals for the Web site overlap those of the Publications Committee stated earlier. The major projects for 2000-2001 were to Improve and Refine the Searchable Database and design and implement the secure, on-line credit card system for dues payment. He requested continuation of the Council allocation of up to \$4000 for improvements to the web site. He was encouraged to use it as needed. Paul McDonagh suggested increasing the number of links to other Societies as well as increased number of links to our Society is possible. Bob is planning other additions to the Web site including awards, an updated "Purpose of the Society". Also the inclusion of a "members only" area.

Paul Johnson provided the Historical Committee report for the Committee Chairman Eugene Renkin who was unable to attend (this newsletter). The main goal of this committee for 2000-2001 was to begin consolidating the archives and

locate a permanent site for their housing as well as access. One possible site is at the Zweifach library at UCSD. The question of the Zweifach medal location was brought up and where it should be housed. It was decided that the treasurer would keep it. Roland Pittman currently has the mold and is going to forward it to Ann Baldwin.

Ingrid Sarelius reported on the activities of the Liaison Committee. Our Society has a large presence on International Committees and we fall short of really using our influence. The International Liaison committee which decides where to have meetings needs to solidify itself, define itself and make itself a real presence in the International Community. The make up of the Committee needs to be determined, will need to modify the By-laws to include this information. Ingrid is going to take charge of this task. This brought up the 2005 World Congress which MCS has the job of hosting. We need to reconfirm our commitment to hold and get busy as time is running short. Bruce Klitzman had agreed to spearhead the effort but the Society as a whole seems less than committed. Council endorsed Bruce to head the effort, he needs volunteers (committed) to help ASAP. Bob Gore suggested putting together a committee to work on this. There needs to be a plan in place prior to Sydney in August. Virginia Huxley suggested working with the National Committee. Finances are a big reason why it needs to be done early. It was suggested that there be a "recertification" that this is going to happen by Mid June and a commitment from a number of people as to how it is going to happen.

APS currently provides MCS with \$10,000 for our participation in EB. Move was made to try and up that to \$15,000 for future years.

Sarah Yuan reported on the Activities of the Nominating Committee. There is a need to improve the workings of the Nominating committee and empower it to enable it to function more efficiently. The electronic submission of nominations and ballots might help. Only 15 members submitted nominations making compiling the ballot difficult with

one nomination for a number of people. We also need to enhance participation in the voting process. Most members don't vote!

Debbie Damon reported on the activities of the Membership Committee. The committee received 28 new applications (19 regular, 7 student and 2 associate). 23 have been approved, 5 are currently pending. She thanked the committee for their efforts. This year the membership applications were accepted and processed throughout the year. It has been good for the committee but does not seem to have facilitated recruitment. Suggested maybe financial incentives for first year members, a membership drive and possibly handing out membership applications at EB and other meetings where there is overlap with our activities.

The question of the number of awards for the World Congress was raised. Ingrid proposed 2, Paul McDonagh suggested 5. It was decided that there would be 5 (\$1000) travel awards for Young Investigators plus the Mary Wiedeman award. These should not overlap with IUPS awards.

Finance Committee Report was given by Ann Baldwin. Its activities this year related to the setting up of the credit card payment for dues (banquet will be added) and the decision to leave our money in Vanguard despite the downturn in its value. In it or the long term. Mary Ellsworth brought up the issue of selling our database to outside folks as she is frequently approached by firms to do so but has always turned them down. Walter Duran indicated that APS does sell their list for 1 time use at \$0.12 per label. It was decided that MCS would not sell that database information.

Program Committee indicated that we were meeting with APS (EB) through 2004. The question as to future associations was discussed. It was suggested that MCS integrate more with EB. To accomplish this we would try and move our sessions to Saturday and Sunday but still maintain a localized area for our posters. A motion was made to fold more into EB. It passed unanimously. The future of the Young Investigator Session is in

Ingrid's hands as Program organizer for 2002 in New Orleans.

The Society awards for 2001 are:

**Eugene M. Landis Award:**

Donald D. Heistad, M.D. Univ. of Iowa  
College of Medicine

**August Krogh Young Investigator Award:**

Fuzsina K. Johnson, Ph.D. Tulane University.

**Christian Crone Travel Award:**

Vladimir V. Matchkov, Ph.D., University of  
Aarhus

**Excellence in Lymphatic Research:**

Randolph H. Stewart, D.V.M., Ph.D. Texas A & M

**Zweifach Student Awards:**

Michael B. Kim, University of Rochester  
Zoltan Ungvari, New York Medical College

Ingrid Sarelius outlined her plans for her year as President of the Society which include recruitment of new members, enhancement of enthusiasm for the Society, retention of current members.

Jeff Falcone suggested that we need to improve MCS visibility and pointed to the need to make a new Statement of what our Society is.

Old Business: none

New Business: Klaus Ley suggested that MCS sponsor a Senior Investigator talk at EB, someone who is not necessarily from MCS and get Industry support for it. This would enhance visibility of the Society.

Meeting was adjourned at 12:07 P.M.

# 2001 MICROCIRCULATORY SOCIETY TREASURER'S REPORT

Submitted by Ann Baldwin, MCS Treasurer



## MCS Assets as of 2000 Meeting:

Bank One Checking Account	4/7/2000	20,186.18
Bank One Savings Account	4/28/2000	28,362.08
Certificate of Deposit	4/7/2000	75,527.23
Vanguard Asset Allocation	4/7/2000	<u>95,380.35</u>
<b>TOTAL</b>		<b>\$219,455.84</b>

## Income:

FASEB	Contribution to MCS	10,000.00
Banquet Tickets 2000		610.00
ESM Dues Paid to MCS		1,800.00
MCS Dues from April 2000-February 2001		24,358.90
(includes both 2000 and 2001 dues payments)		
Donation from Crone Award, 2001		2,000.00
Cytometrics		<u>2,000.00</u>
<b>TOTAL</b>		<b>\$40,768.90</b>

## Expenses:

Mailing costs (Secretary)		2,488.07
MCS Awards 2000		8,500.00
Banquet Tickets-Awardees		40.00
Software for MCS website		1,457.00
MCS Banquet 2000		4,555.51
MCS Symposium 2000		975.35
EB 2000		880.71
World Congress Contribution		10,000.00
MCS Council Meeting		211.57
Stockton Press	629 copies (journal commitment)	4,717.50
Stockton Press	24 copies Vol. 6 Nos. 1 and 2	360.00
Direct Operations	(Holly Lopez, University of Arizona)	3,960.00
Supplies		389.51
Reimbursement - overpayment of dues		5.00
Journal:	Editorial Operating Budget 2000	4,000.00
Journal:	Comp. for Managing Editor	7,500.00
Journal:	Assoc. Editors (4) Comp	6,000.00
Commonwealth of Mass.	Non-Profit Organization Fee	35.00
Neil, Staker and Williams, CPA	Fed Tax Return	785.00
Set-up fee for credit card system		1,072.11
Website improvements		250.00
MCS Symposium 2001		3,000.00
Bank Charges for Wire Transfers		53.75
Credit card system expenses (9/1/00 - 1/31/01)		562.22
Nature Publishing		
	505 copies @ \$5 each - extra issues	2,525.00
	260 copies of Vol. 7 No. 2	1,950.00
	315 copies of Vol. 7 No. 3	2,416.05
	355 copies of Vol. 7 No. 5	2,722.85
AMS Management Fees Jan - June 1999		<u>2,100.00</u>
<b>TOTAL</b>		<b>\$73,512.20</b>

## Treasurer's Report (Continued)



### Pending Transactions:

#### Income: (deposited after last bank statement)

MCS Banquet 2001		3,850.00
2001 Dues		12,494.10
Fine Science Tools	Krogh Y/2001	<u>2,000.00</u>
<b>TOTAL:</b>		<b>\$18,344.10</b>

### Expenses: (checks written, but not cleared)

Nature Publishing	310 copies of Vol. 7 No. 4	2,377.70
	386 copies of Vol. 7 No. 6	2,960.62
US Post Office (mailing)		141.10
Journal editor		1,500.00
Direct Operations	(Holly Lopez, University of Arizona)	445.57
Crone Award		2,000.00
Bank Wire Charge		30.00
The Rosen Centre Hotel	Deposit for Banquet 2001	<u>3,000.00</u>
<b>TOTAL:</b>		<b>\$12,454.99</b>

### Assets as of 2001 Meeting (not including pending transactions)

Bank One Checking Account	2/28/2001	15,804.96
Vanguard Asset Allocation	3/11/2001	86,607.46 (-8,772.89)
Certificate of Deposit	3/11/2001	78,623.05 (+3,095.82)
<b>TOTAL:</b>		<b>\$181,035.47</b>

### Assets as of 2001 Meeting (including pending transactions)

Bank One Checking Account	2/28/2001	21,694.07
Vanguard Asset Allocation	3/11/2001	86,607.46 (-8,772.89)
Certificate of Deposit	3/11/2001	78,623.05 (+3,095.82)
<b>TOTAL:</b>		<b>\$186,924.58</b>

### *A Message from your Treasurer:*

Thank you to all the members who have paid their dues for 2001. As many of you know, you can now just go to our Web site (<http://microcirc.org>) and pay your dues by credit card with top security. I am pleased to announce that due to payment of costs from Nature Publishing to support production of our journal (\$15,000 for last year and \$6,000 of \$12,000 for this year), our bank balance looks alot healthier. However, the success of the Microcirculatory Society depends on your dues, so please remember to pay the Society when the reminder comes around.

Another way you can help is by recruiting new members. If enough people can recruit just one new member each, it will make a big difference to our Society. More recruitment means greater influx of fresh new blood! Once again, thank you for your efforts in maintaining the Microcirculatory Society as an organ for fruitful and exciting scientific interactions.



# Microcirculatory Society Committees 2000-2001

<i>Committee Members</i>	<i>Term</i>	<i>Telephone No.</i>	<i>Committee Members</i>	<i>Term</i>	<i>Telephone No.</i>
<b><u>Executive Council</u></b>			<b><u>Membership</u></b>		
Jeff Falcone	(02)	502-852-5384	Deborah Damon (C)	(02)	802-656-2184
William G. Mayhan	(02)	402-559-5329	Michael J. Davis	(02)	409-845-7819
Steven Segal	(03)	203-562-9901 x253	Richard Price	(03)	804-924-0020
Klaus Ley	(03)	804-924-1722	Frederick Haselton	(03)	615-322-6622
Robert Hester	(04)	601-984-1816	Mary Frame	(04)	716-275-2482
Matthew Boegehold	(04)	304-293-5240	Judy Muller-Delp	(04)	979-458-3502
<b><u>Awards</u></b>			<b><u>Nominating</u></b>		
Harvey Mayrowitz	(02)	305-674-3175	Sarah Yuan (C)	(02)	817-899-2270
William Joyner	(02)	423-439-4999	Mauricio Boric	(03)	011-56-2-686-2865
William Chilian (C)	(03)	414-456-4975	Brajesh K. Lal	(03)	973-972-2761s
Fay Hansen-Smith	(04)	248-370-3574	Norman Harris	(04)	318-675-4219
Andy Greene	(04)	414-456-5532	<b><u>Long-Range Planning</u></b>		
<b><u>Finance</u></b>			Ronald Tuma (C)	(10)	215-707-3248
Ann L. Baldwin (C)	(02)	520-626-6264	Bruce Klitzman	(09)	919-684-6686
Paul McDonagh	(02)	520-626-2329	Julian Lombard	(08)	414-456-8530
Bruce Klitzman	(02)	919-684-6686	Virginia Huxley	(07)	573-882-8069
Matthew Boegehold	(03)	304-293-5240	Gerald Meininger	(06)	409-845-7491
Steven Flaim	(03)	408-654-5830 x136	Fitz-Roy Curry	(05)	530-752-1973
Bill Jackson	(04)	616-387-5631	Roland Pittman	(04)	804-828-9545
<b><u>Development</u></b>			Herbert Lipowsky	(03)	814-865-1407
Herbert Lipowsky (C)	(02)	814-865-1407	D. Neil Granger	(02)	318-675-6011
Mary E. Gerritsen	(02)	650-225-8297	James Bassingthwaighte	(01)	206-685-2005
Michael Minnicozzi	(03)	908-740-7229	<b><u>Program</u></b>		
Gary D. Fletcher	(03)	304-293-5240	Walter Duran (C)	(01)	973-972-4372
Jeff Falcone	(04)	502-852-5384	Ingrid Sarelius (VC)	(02)	716 275-7729
Mike Doyle	(04)	303-541-3453	Arthur Ritter	(02)	973-972-4397
<b><u>Historical</u></b>			Samina Kanwar	(03)	713-770-4358
Paul C. Johnson	(02)	619-534-5686	Ulrich H von Adrian	(03)	617-278-3130
Eugene M. Renkin C)	(03)	916-752-1241	Rolando Rumbaut	(04)	573-882-2991
Patrick D. Harris	(03)	502-852-6251	Coral Murrant	(04)	519-824-4120 x6173
Christopher Ellis	(03)	519-661-3100	<b><u>Publication</u></b>		
Gabor Kaley	(03)	914-594-4089	Roland Pittman	(02)	804-828-9545
<b><u>Liaison</u></b>			Geert Schmid-Schönenbein	(03)	858-534-3852
Ingrid Sarelius (C)	(02)	716 275-7729	Akos Koller	(03)	914-594-4085
Erik Svensjö	(03)	55-11-853 78 87	Robert W. Gore (C)	(04)	520-626-6569
			Virginia Huxley	(04)	573-882-8069

Microcirculation has entered its 8th year as the official journal of the MCS and is now a bimonthly publication. Also new this year, one of the six annual issues of the journal is devoted to a special “hot” topic in the field of microvascular research.

Two journal-related awards were given at the Experimental Biology meeting this spring to the authors of the most cited articles (a regular article and a review article) to date:

Wiederhielm Award (Article)

Unsu Jung and Klaus Ley

“Regulation of E-selectin, P-selectin, and intercellular adhesion molecule 1 expression in mouse cremaster muscle vasculature”

June, 1997, vol. 4, #2 (pages 311-319)

Gerritsen Award (Review Article)

Thomas Skalak and Richard Price

“The role of mechanical stresses in microvascular remodeling”

June, 1996, Vol 3, #2 (pages 143-165)

MCS members are encouraged to continue submitting their work for publication in Microcirculation .

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*A Big Thank You!*

*To Fine Science Tools, Cytometrics and The Cardiovascular Research Institute at The Texas A&M University System Health Science Center for their Financial Contributions to our Society Awards. It is greatly appreciated.*

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# *From the Chair of the MCS Program Committee*

The following information is provided for planning purposes in preparation for the MCS Annual Meeting to be held in New Orleans, LA, April 20-22, 2002.

As approved by MCS Council and by the general membership at the Business meeting, MCS will meet in 2002 as a guest society of APS, within the structure of Experimental Biology 2002. Council and membership also approved a motion to discontinue the poster session held on Friday in favor of a closer integration with the EB 2002 scope of poster sessions. The driving rationale for this motion was to enhance and enrich the interactions between MCS scientists and investigators from other societies. As a consequence of this approved motion, MCS poster sessions will be held in the Ernest N. Morial Convention Center on Sunday, April 21 and Monday, April 22, 2002 from 9:00 a.m. – 3:00 p.m. each day.

The **deadline for Abstract submission** for EB 2002 is **November 7, 2001**. Please note that the MCS poster sessions will be listed as a guest society of APS. Members should carefully scroll the Category Codes to identify the session titles for The Microcirculatory Society.

The MCS Poster Session Titles or Categories to be offered in the “Call for Abstracts EB 2002” are:

1. Microvascular Cell and Molecular Biology
2. Atherosclerosis/Thrombosis and Clinical Microcirculation
3. Microvascular Pathophysiology
4. Flow regulation; Oxygen Delivery
5. Instrumentation in Microcirculatory Research
6. Microvascular Networks
7. Microvascular Mechanics & Hemodynamics
8. Microvascular Permeability / Exchange
9. Microvascular Pharmacology / Vascular Control
10. Angiogenesis / Microvascular Remodeling

The plans for other MCS functions are also well under way. The APS Joint Program Committee has agreed to include two symposia time slots for MCS: MCS President’s Symposium (Saturday, April 20, 2002 from 3:15-5:15p.m.) and MCS Young Investigators Symposium (Sunday, April 21, 2001; 3:15-5:155 p.m.). In addition, we have our regular plenary session to present the Landis Award Lecture (Sunday, April 21, 2002; at 2:00-3:00 p.m.). Ingrid Sarelius has worked diligently on the program for the MCS President’s Symposium (see below). David Stepp has been identified as one of the Co-Chairs for the MCS Young Investigators Symposium, an activity that is co-sponsored by the Cardiovascular Section (CVS) of APS. MCS will co-sponsor some of the symposia presented by APS-CVS.

Please find below the schedule and location for the MCS activities planned for EB 2002.

## **MICROCIRCULATORY SOCIETY PRESIDENT’S SYMPOSIUM: SIGNALING IN CELLS OF THE MICROVASCULAR WALL**

(Sponsored by the Microcirculatory Society)

Sat. 3:15-5:15 PM — Ernest N. Morial Convention Center, Room 221-222

**Chair: Ingrid Sarelius**, Univ of Rochester Med Col

Participants:

**Michael J. Davis**, Integrin-mediated control of smooth muscle ion channels

**Jean-Louis Béný (Tentative)**, Calcium waves in blood vessel walls

**Ulrich Pohl**, Oxidant-dependent signal transduction in microvessel walls

**Brian Duling**, Gap junction-mediated communication pathways

This symposium will highlight mechanisms of communication between cells of the microvascular wall and/or between the microvascular wall and the surrounding environment. The goal is to highlight recent advances in our understanding of signal transduction in smooth muscle or endothelial cells in the context of how they are reflected in functional responses of intact vessels.

### **MICROCIRCULATORY SOCIETY LANDIS AWARD LECTURE**

(Sponsored by the Microcirculatory Society)

Sun. 2:00-3:00 PM — Ernest N. Morial Convention Center, Room 221-222

Speaker: **TBA**

### **MICROCIRCULATORY SOCIETY YOUNG INVESTIGATOR SESSION**

(Sponsored by The Microcirculatory Society and APS Cardiovascular Section)

Sun. 3:15-5:15 PM — Ernest N. Morial Convention Center, Room 210

Co-Chair: **David Stepp**, Med Col Wisconsin

Co-Chair **TBA**

Participants:

**TBA**

The Microcirculatory Society is co-sponsoring the following APS-CV Section programs:

### **MECHANISMS OF VASCULAR REMODELLING: TEMPORAL EVENTS FROM STIMULUS TO STRUCTURAL AND FUNCTIONAL CHANGES**

(Sponsored by the APS Cardiovascular Section and The Microcirculatory Society)

Mon. 3:15-5:15 PM — Ernest N. Morial Convention Center, Room 221-222

Chair: **Michael A. Hill**, RMIT University, Australia

Co-Chair: **Gerald Meininger**, The Texas A&M University System Health Science Center

Participants:

**Michael A. Hill**, Introduction: Overview of Concepts Concerning Remodelling: Importance of the Temporal View

**Gerald A. Meininger**, Extracellular Matrix and Integrin Interactions: Do Smooth Muscle Cells Move as Part of an Adaptive Remodeling Event?

**Susan Gunst**, Role of Smooth Muscle Cytoskeletal Adaptations to Load as a Mechanism of Remodeling

**B. Lowell Langille**, Signal Cascades Involved in Vascular Cell Remodeling in Response to Physical Forces

**Russell L. Prewitt**, Vascular Remodeling in Hypertension: Vasoconstriction versus Growth Responses  
**Ernesto L. Schiffrin**, Functional and Structural Manifestations of Vascular Remodeling

Cell signaling within the vascular wall will be highlighted with emphasis on the events that may link the acute vasomotor responses with longer time frame adaptive responses. Coverage will be given, in particular, to the involvement of cell junctions, matrix-integrin interactions and the cytoskeleton. To broaden the interest in the symposium input will be drawn from both the smooth muscle and endothelial fields and responses to both agonist and physical stimuli will be considered.

#### **NEW PARADIGMS IN NEOVASCULARIZATION**

(Sponsored by the APS Cardiovascular Section and The Microcirculatory Society)

Sun. 10:15 AM-12:15 PM — Ernest N. Morial Convention Center, Room 221-222

Chair: **Gina C. Schatteman**, Univ of Iowa

Co-Chair: **Takayuki Asahara**, St. Elizabeth's Med Ctr, Boston

Presenters:

**Chris Drake**, Sources of Embryonic Vasculogenesis

**Mary Hendrix**, Tumor Cell Derived Vasculogenesis

**Klaus Havemann**, Monocytes and New Blood Vessel Growth

**Daniel Bowen-Pope**, Origins of Smooth Muscle Cells after Birth

## **PLEASE HELP!**

### **8th World Congress for Microcirculation**

**The MCS is excited that the 8th World Congress will be in the US the first week of August, 2005 in conjunction with IUPS. The dates for the IUPS meeting in DC are tentatively Aug. 7-12, 2005. We are looking at organizing the 8th WCM either for Aug 2-6 or for Aug 13-17. Anyone who is interested in being a part of the Organizing Committee should contact Bruce Klitzman.**

**It's never too early to get involved!  
It's your Society!**

# Society Awards

**It is never too early to begin thinking about nominations for the Society Awards for 2002. To refresh your collective memories, the current Society awards are listed below:**

## **Eugene M. Landis Research Award**

This annual award was established in 1969 to recognize an outstanding investigator in the field of Microcirculation who is in residence in the United States or Canada. The awardee is expected to be an active investigator who has published and continues to provide meritorious research in the field of Microcirculation. The award consists of a certificate and \$2000 to be used at the discretion of the awardee. To nominate an individual for this award, a letter of nomination describing the nominee's most important work, a current CV, including a list of the nominee's 10 most significant publications from the last 10 years, should be forwarded to the Chairman of the Awards Committee prior to November 1st of the year preceding the award. The award will be presented at the annual meeting and the awardee will be invited to present a brief summary of his or her professional and research career activities.



Eugene M. Landis  
(1901-1987)

## **August Krogh, Young Investigator Award**

This annual award is intended for a graduate student, Ph.D. or M.D. in the early stages of a research career. The purpose of the award is to encourage excellence in microcirculatory research by new, young investigators. Eligibility for this award is limited to graduate students, recent graduates (less than 3 years after having received a Ph.D. or for M.D.s, 3 years following completion of a first residency). The award consists of a certificate and \$500 to be used at the discretion of the awardee. The requirements include submission of a brief manuscript which describes research to be presented at the annual MCS meeting and a letter of nomination from a member of the Society. These materials should be forwarded to the Chairman of the Awards Committee prior to November 1st of the year preceding the award.



August Krogh  
(1874-1949)  
Nobel Prize in  
Physiology and  
Medicine 1920

## **Microcirculatory Society Travel Award for Outstanding Young Investigators**

This annual award is given to reward meritorious research in the field of microcirculation by supporting the recipient's visits to laboratories abroad. It is intended for a researcher who is a resident of the United States or Canada and has received a Ph.D. or completed a first M.D. residency within 12 years of the deadline. A letter of nomination describing how the award will benefit the nominee's career and advance knowledge of microcirculation, a brief tentative itinerary including the laboratories to be visited and a current CV should be submitted to the Chairman of the Awards committee prior to November 1st of the year prior to the presentation of the award. The award consists of a certificate and \$2000 to help defray travel costs associated with the trip. The recipient is expected to present a brief report of their trip to the MCS membership at the annual banquet.

## **Christian Crone Travel Award for Outstanding Young Investigators**

This relatively new award is given to reward meritorious research in the field of microcirculation by an individual residing outside of the United States and Canada to supporting the recipient's visits to laboratories within North America. It is intended for a researcher who has received a Ph.D. or completed a first M.D. residency within 12 years of the deadline. A letter of nomination describing how the award will benefit the nominee's career and advance knowledge of microcirculation, a brief tentative itinerary including the laboratories to be visited and a current CV should be submitted to the Chairman of the Awards committee prior to November 1st of the year prior to the presentation of the award. The award consists of a certificate and \$2000 to help defray travel costs associated with the trip. The recipient is expected to present a brief report of their trip to the MCS membership at the annual banquet.



Christian Crone  
(1926-1990)

## **Microcirculatory Society Award for Excellence in Lymphatic Research**

This relatively new award was made possible by a generous contribution of the former North American Society of Lymphology. The award is designed to recognize meritorious research of the lymph, lymphatics or interstitium by a young investigator within 10 years of obtaining a Ph.D., M.D. or a *bona fide* equivalent degree. A letter of nomination describing their research efforts, a manuscript suitable for submission to Microcirculation and a current CV should be submitted to the Chairman of the Awards Committee prior to November 1st of the year prior to the presentation of the award. The manuscript of the awardee will need to be submitted to the Society journal Microcirculation. The award, to be given at the Annual Meeting of the Microcirculatory Society, consists of a certificate and \$500 to be used at the discretion of the awardee.

## **Zweifach Student Award**

Established in 1998, this award recognizes the outstanding mentoring efforts of Dr. Benjamin W. Zweifach and is designed to encourage meeting participation by young scientists in training. To qualify for this award, (a certificate and \$500) a student must be a first author on an abstract to be presented at the Annual Microcirculatory Society meeting. To apply for the award, the student should forward a copy of their abstract submitted for the meeting requesting that it be considered for this award and a letter of support from their mentor to the Chairman of the Awards Committee prior to November 1st of the year prior to the presentation of the award. The award will be presented at the Annual meeting of the Microcirculatory Society.

### **Address for All Award Correspondence:**

William M. Chilian, Ph.D.  
Chair, MCS Awards Committee  
Department of Physiology  
Medical College of Wisconsin  
8701 Watertown Plank Road  
Milwaukee, WI 53226-0509  
**E-mail: [chilian@mcw.edu](mailto:chilian@mcw.edu)**

# By-Laws

## The Microcirculatory Society, Inc.

approved at the Society Business Meeting, April 16, 1999

### 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, student 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 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 Councillors shall be three years, so elected that only two Councillors are elected each year. Councillors 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 Councillor. 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 Presi-

dent, 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 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 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 compen-

sation and shall be called Councillors.

**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 Councillor of each meeting of the Council. 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 Councillors 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 Councillors 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 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 councillors 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 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 a minimum of 3 years in advance of the next annual meeting, and new policy directions for society function.

**Section 7. Development Committee.** The Develop-

ment 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 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 at least three years in advance. b) Serve as the liaison to the program committees of other societies or associations with whom the MCS may meet; c) 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 14. Representatives of the MCS to the International Liaison Committee. These three positions are to be filled by appointees 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 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 one year in arrears shall cease to be a become an inactive member of the Society, and will be notified by the Treasurer. An inactive member will not receive the journal and will be ineligible to vote. If an inactive member is in arrears for an additional year, he/she may reactivate membership in the Society by payment of all outstanding dues. 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 before they cease to be a member of 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 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 with-

out the written permission of the President.

**Section 3. Notice to Members.** Notice of all a meetings of the members shall be 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 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 legisla-

tion. 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.

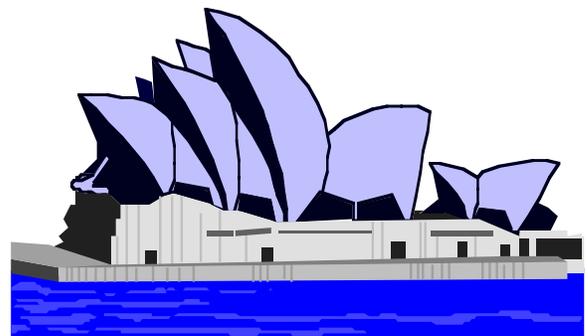
## ARTICLE X. Amendments.

**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 vote of 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.

### Make Your Plans to Attend



**World Congress for Microcirculation**  
**August 19-23, 2001**  
**Sydney, Australia**



**International Union of Physiological  
Sciences (IUPS)**  
**August 26-31, 2001**  
**Christchurch, New Zealand**

***Don't Forget to check our Web site!***

***<http://microcirc.org>***

***It is very important for the future of the Society that you check your directory entry and make the necessary corrections.***

***The Fall Newsletter should be posted in early September. Look for it! If we have your E-mail address, you will be notified when it is available and you will be provided with a PDF version of the newsletter.***

