

The Microcirculatory Society, Inc.

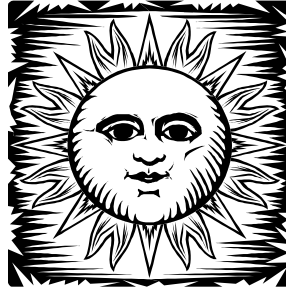
Newsletter

Volume 28, Number 1

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President's Message

Walter Durán

It is indeed an honor and a privilege to serve as President of The Microcirculatory Society. It is also an awesome responsibility. I would like to express my thanks to you for electing me to this office. I would also like to ask you for your active participation in the business of our Society, so that we may succeed in our common goals of excellence in research, scientific exchange and communications.

I would like to thank Ron Tuma for guiding the Society as President last year. Our thanks also go to Paul McDonagh, who – as Treasurer – was able to keep us financially solvent, as well as to Fred Miller and Tom Skalak who provided invaluable assistance as members of Council. I am pleased to welcome Ingrid Sarelius as President-Elect, Ann Baldwin as Treasurer, as well as Steve Segal and Klaus Ley as new Councilors. I am delighted that I will continue to count on the advice and input of Mary Ellsworth as MCS Secretary, Ed Messina, Jim Faber, Jeff Falcone and Bill Mayhan as continuing Councillors during this year.

Bruce Klitzman deserves a special note of recognition and thanks. Bruce had the bright idea of introducing MCS to Cytometrics last year. As a result of this encounter, Cytometrics offered to support this

year's Travel Award. We are grateful to Cytometrics for this generous support, and hope that these interactions will be the beginning of a beautiful friendship.

You will find a hyperlink to **Cytometrics** and to **Fine Science Tools** – that supported our Young Investigator Award - on our website. The hyperlinks are the fruits of Bob Gore's excellent work and leadership as MCS webmaster.

The Society confers to the President the privilege of appointing new members to the various committees. The updated roster is found in this Newsletter as well as on our website. In keeping with our Society's tradition, our Committees have a good blend of uprising, mid-career and definitely established investigators to provide the impetus of wild and seasoned ideas in the conduct of business and in the training of the future leadership.

A major challenge facing our Society is recruitment of new members. All initiatives on how to solve this challenge are welcome. Please feel free to contact me and/or the President-Elect, members of the Executive Council and members of the Membership Committee with your suggestions. I submit the following specific goals for your consideration:

- Update, renovate or even redefine the image of the Society. Several investigators perceive MCS as a society that focuses on methodology or technique. We must project strongly MCS as the Society that works on the mechanisms of microvascular biological processes.
- Campaign actively to recruit members from basic and clinical sciences. While inquiries into fundamental processes are a trademark of the Society, it is clear that many diseases have an ultimate foundation in alterations that occur in the microcirculation (i.e., inflammation, ischemia–reperfusion injury, diabetes mellitus, etc). In addition, while special emphasis is given to microvascular events, our members investigate a whole spectrum of processes of vascular wall biology, transport, hemodynamics and mathematical modeling that transcend the microcirculation. These considerations support the concept that we should be able to attract our colleagues that are faculty members in clinical departments at our Institutions.

As a way to facilitate recruitment, the Executive Council agreed to expedite the review process. The old-fashioned way was to review and elect new members once or twice a year. The new-fashioned way will be to use the Internet (e-mail) as a means for the Membership Committee, through its Chair, to communicate and to review and approve applications for membership on a rolling basis. A fast turn-around time for the application/decision process should be more attractive to nominees.

A secondary issue or challenge associated with recruitment of new members is payment of membership dues. Active members (Regular/Associate/Students) are defined, among other characteristics, by their status regarding payment of

their dues. This status is updated periodically on the Searchable Directory of Members in our website (<http://microcirc.org>) through communications between the Treasurer and the Webmaster (conveniently located at the same Institution). A brief exploration of the Searchable Directory shows that many prominent and scientifically active members have not taken the time to pay their dues for 2000. I would encourage you to use the Searchable Directory and remind your friends and colleagues in a nice and kind manner to send in their MCS dues to our Treasurer. Please remind them that the membership dues run on a calendar year basis and it is customary for Societies to request and obtain full payment of dues by the first quarter of the fiscal year. The success of several MCS initiatives-including our journal - depends on proper collection of membership dues. Thanks for your assistance in this important MCS fiscal matter.

Another challenge facing our Society is Communications. We should take advantage of the advances in Internet communications to reduce or solve this situation. To facilitate the timeliness of communications, in addition to our Newsletter, we plan to send messages via e-mail to the membership should there be special events, breaking news, etc. I, the members of the Executive Council and Committees are available to the membership through e-mail, as well as through fax and phone, to receive suggestions or provide information. Our addresses are available through the Searchable Directory on the MCS website. A Society will be what its members want it to be, so please let us know your suggestions and initiatives.

At its meeting in San Diego the Executive Council, after a motion by our President-Elect Ingrid Sarelius, agreed to change the President-Elect's Symposium back to the original status of MCS President's Symposium. Thus, once again I will have the privilege of receiving your abstracts and organizing the MCS 2001 meeting, with assistance from the Program Committee and from our Secretary, Mary Ellsworth.

An important element of news regarding

MCS 2001 in Orlando: Subsequent to its meeting in San Diego, and using e-mail communication, Council agreed to add a **Young Investigator Session** to our Poster sessions. This session is a component of the efforts to attract and recruit young investigators to MCS. This will be a **session of oral communications** featuring **postdoctoral fellows and junior assistant professors** (i.e., an operational definition of young investigator). The session will be two-hour long and will be scheduled for Saturday afternoon (1:00 – 3:00 p.m.) just before the President's Symposium (3:15 – 5:15 p.m.). The structure of the session will allow for 8 presentations (10 min presentation + 5 min discussion). Abstracts selected for the oral session will not be eligible for duplicate presentation as posters.

The Young Investigator Session will be or-

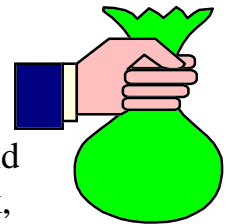
ganized and run by young investigators. I have asked Dr. Samina Kanwar, a member of our Program Committee to serve as Chair and organizer of the MCS 2001 Young Investigator Session. She and an ad hoc committee will make the initial selection of the submitted abstracts. The Program Committee will supervise the final decision. At this time, this announcement is to promote the initiative of providing young investigators an opportunity to make oral presentations. The criteria for abstract selection and the mechanism to mark your work for oral presentation will be announced via e-mail later.

Thanks again for the privilege of working for you as MCS President this year. I reiterate my invitation to you to work with me, with the Executive Council and the Committees for the good of our Society.

A Word from our New Treasurer:

MONEY

Thank you to all the members who have paid their dues for 2000. Those of you who have not paid, please take out your check book and send us the money. Hopefully, soon you won't have to pay by check, but can use your credit card. This would be especially convenient for overseas members. At the moment we are investigating various options and hope to find a system that's cheap enough for us to maintain. So, start the new millenium as you mean to go on, and make sure you're up to date with your dues. You know it's a great bargain!



Ann Baldwin

*A Big Thank You!
To Both Fine Science Tools and Cytometrics for
their Financial Contributions to our Society
Awards. It is greatly appreciated!*

Minutes of Society Business Meeting - April 14, 2000

The meeting was called to order at 4:09 P.M. PDT by Ron Tuma, President of the Society in room 6D of the San Diego Convention Center, San Diego CA.

The first order of Business was the approval of the 1999 Business meeting minutes which were published in the June 1999 Newsletter. The minutes were approved unanimously.

Paul McDonagh presented his final Treasurer's Report, the details of which are contained in the June 2000 Newsletter. The bottom line is that the Society remains in excellent shape with total assets of \$219,455.80 with the "loss" for the year approximately \$6,000, the amount the Society paid to help bail out the Russian IUPS meeting. These figures do not reflect the \$10,000 contribution to the Society by APS. There was a call for all members to not only pay their dues, a recurring theme throughout the meeting, but to recruit new members. The question as to the actual number of members was raised by Dick Slaff and it remains unanswered, in part because many very active members do not pay their dues. Bill Jackson noted that he does not recall ever receiving a dues notice, a comment heard from a few other individuals. A question was also raised as to what the Society "wants" the balance to be. To this, there was no immediate answer. Bob Gore indicated that the Web site is a place where one can obtain information as to your own dues status as well as that of friends and colleagues. He noted that historically, 53% of the membership does not pay their dues on an annual basis with some members not having paid for multiple years. He suggested that all members take responsibility for assuring that the membership information on the Web site is up to date, most importantly the e-mail address. A suggestion was made to provide a "registration desk" at the meeting to help with dues collection, a problem since our registration is taken care of by E.B. Paul noted that both he and the Secretary are visible throughout the meeting and will to take dues payment at any time.

Mary Ellsworth, as part of her Secretary's report, proposed that the Society replace the paper newsletter with the electronic version present on the Web site. There was much discussion. Several members wished to maintain the paper version and it was suggested that those individuals who wish to receive a paper newsletter request it and it will be provided. Certainly there is no intention to deprive any Society member of access to the information contained in it. A motion was made by her to move to a web-based newsletter with the last paper newsletter being the Fall issue with the stipulation that anyone who wishes to continue to receive the paper newsletter will be sent it. A vote was taken with the majority approving the plan with two dissenters.

Michael Perry, President of the 7th World Congress for Microcirculation to be held in Sydney, Australia, 19-23 August 2001 presented to the Society information regarding plans for the meeting. During his slide presentation he provided information regarding the venue and approximate costs for the meeting (registration \$400 USD, accommodations, \$20-200 USD [Youth hostel to top class hotel], airfare <\$800-1000 USD from west coast), a list of some of the proposed symposia with a request for any other suggestions to be provided within the next 2-3 months, i.e., no later than August 1, 2000.

Bob Gore, as Chairman of the Membership committee and the "Web guy" requested again that all members check their information on the Web site, pay their dues, recruit new members. A question was raised regarding the feasibility of paying dues using a credit card. There was great interest in being able to do so. It will be explored both in terms of obtaining the secure site that would be required for such an option. Paul McDonagh also indicated that there many banks which are providing "virtual" banking services which might be another way to go. He and our new Treasurer, Ann Baldwin will continue to explore this as the membership was very supportive of having available this option. Ron commended Bob on his

continuing superb job as manager of the Society Web site.

Roger Adamson, Chairman of the Nominating Committee provided the names of the newly elected Society officers. They are: President-elect: Ingrid Sarelius; Treasurer: Ann Baldwin; Councillors; Klaus Ley and Steve Segal. He thanked all the members who ran for election and indicated that the election was extremely close.

Ingrid Sarelius, in her final report as Chair of the Publications Committee reported that the Journal was doing well. The frequency of publication has increased from 4 issues/year to 6 issues/year. She requested that members increase submissions to the Journal which currently has an acceptance rate for manuscripts of 42%. A brief discussion as to the "impact factor" followed, a criteria that many Journals are becoming concerned about as it is being used by Universities and other organizations as a means of evaluation of faculty. There are plans for a Special issue of the journal focusing on a specific topic. In addition, there will be an industry sponsored issue which should be published the end of the year. Both of these additions should increase the impact factor for the journal. The membership was informed that the Journal will be sent to those individuals who have paid their dues and will also be available on line for these members.

In Harvey Mayrovitz's absence, Ron Tuma provided the names of the 2000 Society awards: Landis Award; Karl-E. Arfors, August Krogh Young Investigator Award, (supported by Fine Science Tools, Inc): Justin Jagger; Microcirculatory Society Travel Award (supported by Cytometrics, Inc): Sarah Y. Yuan; Christian Crone Travel Award; Steffen-Sabastin Bolz.

The Long Range Planning Committee has recommended that the Society hold its 2002 meeting in association with E.B. in New Orleans. A motion to do so was made and approved unanimously.

Our Society is hosting the 2005 World Con-

gress for Microcirculation which is to be held in association with the IUPS meeting to be held in Washington D.C. August 7-12. The World Congress could be either before or after but proposals are needed from potential hosts and venues. A consortium of interested people is being formed since no individual has yet stepped forward.

There being no further business, the meeting was adjourned by Ron Tuma at 5:10 P.M. PDT.

Respectively Submitted:

Mary L. Ellsworth, Ph.D.
Secretary

PLEASE HELP! 8th World Congress for Microcirculation

MCS is proceeding with plans to organize the 8th World Congress for Microcirculation in 2005 for Williamsburg, VA 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. If anyone is interested in putting together a detailed proposal for another venue, it may still be possible to consider other formal proposals.

It is your Society!

MICROCIRCULATORY SOCIETY TREASURER'S REPORT

April 11, 2000 Submitted by Paul McDonagh, Treasurer



MCS Assets as of 1999 Meeting:

Bank One Checking Account	4/13/1999	40,163.74
Bank One Savings Account	3/31/1999	36,007.54
Certificate of Deposit	3/5/1999	72,000.30
Vanguard Asset Allocation	3/30/1999	<u>77,199.45</u>
	TOTAL	\$225,371.03

Income:

APS	Contribution to MCS	10,000.00
Lymphology Society	Contribution to MCS	3,599.42
Banquet Tickets 1999		650.00
ESM Dues Paid to MCS		1,267.50
MCS Dues 1999		6,743.53
MCS Dues 2000		17,310.00
MCS Banquet 2000		3,560.00
Fine Science Tools:	Krogh YI 2000	500.00
Bank One:	Savings dtd 4/30/99-3/31/00	1,354.54
CD	Earnings: 3/6/99 - 4/7/00	3,526.93
Vanguard	Contributions (Note: Expensed below)	9,559.42
Vanguard	Earnings: 4/1/99- 4/7/00	<u>8,581.48</u>
	TOTAL	\$66,692.82

Expenses:

MCS Annual Awards 1999		4,700.00
Reimbursement Banquet Tickets (award winners)		150.00
Software for MCS Web Site		974.10
MCS Banquet 1999		7,550.83
MCS Symposium 1999		1,000.00
EB 99		1,220.00
IUPS bailout		6,000.00
MCS Council Meeting		389.42
Vanguard Asset Allocation		9,599.42
Stockton Press	490 copies of Vol 6, No. 2	3,675.00
Stockton Press	640 copies of Vol 6, No. 3	4,800.00
Stockton Press	375 copies of Vol 7, No. 1	2,812.50
Direct Operations	(Holly Lopez, Univ. of Arizona)	4,812.00
Photocopy		186.94
Supplies		561.19
Reimbursement Overpayment of Dues		60.00
Journal:	Editorial Operating Budget 1999	4,500.00
Journal:	Comp. for Managing Editor 2000	7,500.00
Journal:	Assoc. Editors (5) Comp 2000	7,500.00
Fall Newsletter		534.53
Summer Newsletter (AMS)		134.20
Winter Newsletter		971.59
Spring Newsletter		475.08
Tom Ham's Lighthouse	Deposit for MCS Banquet 2000	500.00
Commonwealth of Mass.	Non-Profit Organization Fee	35.00
Neil Staker and Williams, CPA,	Fed. Tax Return	745.00
Bill Halpern	Refund for 2000 Banquet	40.00
Royal West Tours	Bus to Tom Ham's for Banquet	552.76
AMS	Management Fees Jan-Jun 1999	<u>2,100.00</u>
	TOTAL	\$74,079.56

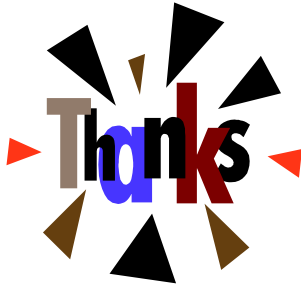
Treasurer's Report (Continued)



MCS Assets as of 2000 Meeting:

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

TOTAL: \$219,455.80



On behalf of the Society, I would like to thank Paul McDonagh for his excellent management of the Society's finances for the past 4 years.

We all wish Ann Baldwin well as she takes on the daunting task of Treasurer of the Society. Let's make her job easier by all paying our dues on time.

From the Desk of

D. Neil Granger

Editor-in-Chief of Microcirculation

The Official Journal of The Microcirculatory Society, Inc.



Microcirculation has entered its 7th year as the official journal of the MCS. This year marks the appearance of the journal as a bimonthly publication. The 1999 statistics reveal that the acceptance rate for all manuscripts submitted to the journal remains at approximately 40%. Maintaining (or lowering) this acceptance rate in the face of a 50% increase in the number of issues published per year will require an increase in the number of manuscripts submitted to the journal. The MCS members are encouraged to support and strengthen the journal by submitting their best work for publication.

There are some new features of the journal that should enhance its value to MCS members. Access to the online version of Microcirculation will be available to all active (dues paying) regular and associate members of the Society (at no extra cost), later this year. Beginning in 2001, one of the six annual issues of the journal will be devoted to a special "hot" topic in the field of microvascular research. An industry-sponsored issue dealing with the "microcirculation and chronic venous insufficiency" is also under development. MCS members who wish to serve as guest editor for either a special topics or industry-sponsored issue of the journal should contact the editorial office.

Microcirculatory Society Committees 2000-2001

Committee Members	Term	Telephone number	Committee Members	Term	Telephone number
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Executive Council

Edward Messina	(01)	914-594-4099
James Faber	(01)	919-966-4453
Jeff Falcone	(02)	502-852-5384
William G. Mayhan	(02)	402-559-5329
Steven Segal	(03)	203-562-9901 x253
Klaus Ley	(03)	804-924-1722

Awards

William Chilian (C)	(03)	414-456-4975
Harvey Mayrowitz	(02)	305-674-3175
William Joyner	(02)	423-439-4999
Steven House	(01)	973-761-9052
Irving Joshua	(01)	502-852-5371

Finance

Ann L. Baldwin (C)	(02)	520-626-6264
Odile Mathieu-Costello	(01)	619-534-2790
Paul McDonagh	(02)	520-626-2329
Bruce Klitzman	(02)	919-684-6686
Matthew Boegehold	(03)	304-293-5240
Steven Flaim	(03)	408-654-5830 x136

Development

Herbert Lipowsky (C)	(02)	814-865-1407
Ronald Korthuis	(01)	318-675-6028
Mark Dewhirst	(01)	919-684-4180
Mary E. Gerritsen	(02)	650-225-8297
Michael Minnicozzi	(03)	908-740-7229
Gary D. Fletcher	(03)	304-293-5240

Historical

Eugene M. Renkin (C)	(03)	916-752-1241
Paul C. Johnson	(02)	619-534-5686
Patrick D. Harris	(03)	502-852-6251
Christopher Ellis	(03)	519-661-3100
Gabor Kaley	(03)	914-594-4089

Nominating

Sara Yuan (C)	(02)	817-899-2270
Thomas Skalak	(01)	804-982-0270
Mauricio Boric	(03)	011-56-2-686- 2865
Brajesh K. Lal	(03)	973-972-2761

Membership

Deborah Damon (C)	(02)	802-656-2184
John Barker	(01)	502-852-4675
Robert Hester	(01)	601-984-1816
Michael J. Davis	(02)	409-845-7819
Richard Price	(03)	804-924-0020
Frederick Haselton	(03)	615-322-6622

Liaison

Ingrid Sarelius (C)	(02)	716 275-7729
Giovanni Mann	(01)	0044-020-7848 -6209
Erik Svensjö	(03)	55-11-853 78 87

Long-Range Planning

Ronald Tuma (C)	(10)	215-707-3248
Bruce Klitzman	(09)	919-684-6686
Julian Lombard	(08)	414-456-8530
Virginia Huxley	(07)	573-882-8069
Gerald Meininger	(06)	409-845-7491
Fitz-Roy Curry	(05)	530-752-1973
Roland Pittman	(04)	804-828-9545
Herbert Lipowsky	(03)	814-865-1407
D. Neil Granger	(02)	318-674-6011
James Bassingthwaite	(01)	206-685-2005

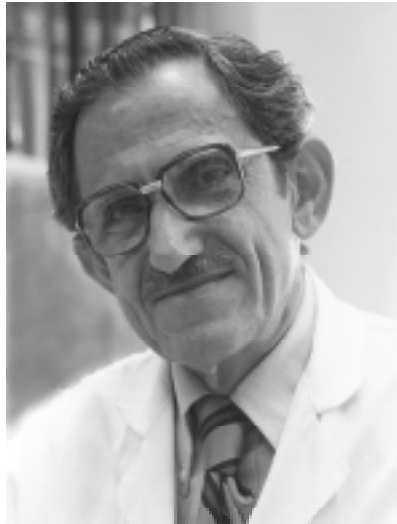
Program

Walter Durán (C)	(01)	973-972-4372
Ingrid Sarelius (VC)	(02)	716 275-7729
Donald Buerk	(01)	215-898-9100
Mark Clemens	(01)	704-547-4040
Arthur Ritter	(02)	973-972-4397
Samina Kanwar	(03)	713-770-4358
Ulrich H von Adrian	(03)	617-278-3130

Publication

Robert W. Gore (C)	(04)	520-626-6569
Maria Siemionow	(01)	216-444-2405
Roland Pittman	(02)	804-828-9545
Geert Schmid-Schönenbein	(03)	858-534-3852
Akos Koller	(03)	914-594-4085

Call for Nominations for the Zweifach Award to be presented at the 7th World Congress for Microcirculation in Sydney, Australia, Aug. 2001



Benjamin W. Zweifach
(1911-1997)

Dr. Zweifach was one of the founding members of our Society whose contributions to the field of microcirculation in general and biorheology in particular have had a significant impact on us all.

In 1978, the members of the Microcirculatory Society, Inc. established **The Benjamin Zweifach Award** (\$2,000, a certificate and an engraved gold medal) to be given at the World Congress for Microcirculation. The award recognizes the achievements of **internationally renowned individuals whose careers have been noteworthy and who have made outstanding contributions to the advancement of our knowledge of microcirculation.**

Members of the Microcirculatory Society and other Microcirculation Societies around the world are requested to submit nominations for the award to William Chilian, Chairman of the Awards Committee prior to November 1, 2000. The nomination packet should include a letter of nomination, letters of support, a Curriculum Vitae and list of Publications. The ten most significant publications during the ten calendar years ending about 18 months preceding the presentation of the award are the principal basis for selection. The awardee will be invited to present a brief summary of his or her research career.

Previous winners of the award are:

1979	Christian Crone - Copenhagen, Denmark
1984	Eugene M. Renkin - Davis, California, U.S.A.
1988	Bjorn Folkow - Goteborg, Sweden
1991	Shu Chien - San Diego, California, U.S.A.
1996	Olga Hudlicka - Birmingham, U.K.

Society Travel Awards Associated with the World Congress for Microcirculation

Mary Wiedeman Travel Award

This award was established in 1985 to honor the late Mary P. Wiedeman who had served the Society both as President and Secretary-Treasurer. The purpose of the award is to help defray the expenses of an outstanding young investigator to attend the World Congress for Microcirculation. The award is intended for a person who has received a Ph.D. or completed an M.D. and first residence within the last 8 years. The awardee should show promise of an outstanding career in microcirculatory research as indicated by the abstract submitted for presentation at the World Congress for Microcirculation. A copy of the abstract along with a letter of nomination from a MCS member and a CV including list of publications should be submitted to the Chairman of the Awards Committee prior to March 1st of the year of the World Congress.



Mary P. Wiedeman
(1919-1982)

World Congress Travel Grants for Young Investigators

These awards are designed to provide a valuable scientific experience for young investigators in the Microcirculatory Society to help them defray the cost of travel to attend the World Congress for Microcirculation. The intent of the Society is to enable several young investigators to present their research before an international audience. For the purposes of this award, a young investigator is one who has received a Ph.D. or completed an M.D. first residency within the 5 years prior to the World Congress. The award will be limited to the lowest cost round-trip airfare from the awardees nearest hometown airport to the nearest airport to the city of the meeting.

The selection criteria are:

1. The abstract, which is submitted for presentation at the World Congress for Microcirculation will be evaluated and rated on a scale of 1 to 10 with 1 denoting the highest quality.

2. The applicant's previous publication record including both productivity and quality for the past 5 years will be evaluated and rated on a scale of 1-10, with 1 denoting highest quality.

3. The applicants will be ranked according to their scores. The awards will be distributed according to the applicants ranking, starting with the lowest score, until the funds are exhausted. The total number of awards presented will depend upon the availability of funds and the projected costs.

A copy of the abstract along with a letter of nomination from a MCS member and a CV including list of publications should be submitted to the Chairman of the Awards Committee prior to March 1st of the year of the World Congress. Only regular, associate or student members of MCS, whose dues are paid in full at the time of the application, are eligible for travel grants.



Note: Abstract
Deadline for the
World Congress
will be sometime
Feb/Mar 2001

Society Awards

It is never too early to begin thinking about nominations for the Society Awards for 2001. To refresh your collective memories, the current Society's 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

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 Commit-

tee 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 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 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 Soci-

erty), 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 prop-

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

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

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

Section 10. Program 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 Publica-

tions 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 without 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 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.

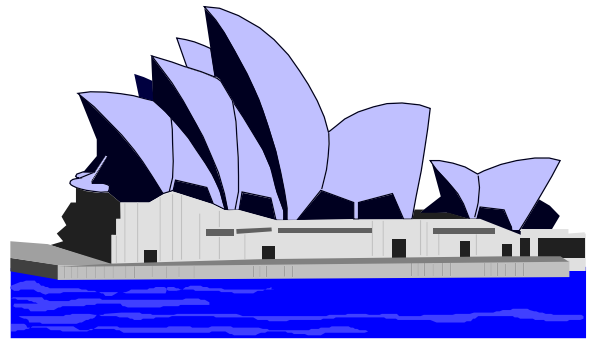
ARTICLE X. Amendments.

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 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 you 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.

