

# **Minnesota Microscopy Society Newsletter**

**Local affiliate of Microscopy Society of America**

**Local affiliate of Microbeam Analysis Society**

**MMS September NEWSLETTER**

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## **MMS FALL BUFFET DINNER & TOUR**

**THURSDAY, OCTOBER 3, 1996**

**TOUR: Cryo EM & B.I.P.L.**

**5:45- 6:45 PM**

**JACKSON HALL, U. of MN, Mpls. East Bank Campus**

**BUFFET DINNER**

**CAMPUS CLUB, 7:00 - 8:30 PM**

**Minneapolis. East Bank Campus, U of MN**

**SPEAKER: Paul Walther, Zurich**

**TOPIC: High Resolution Cryo Field Emission SEM - New Applications & Methods?**

MMS will hold its eighth annual Fall Buffet Dinner on October 3, 1996, at the University of Minnesota's Campus Club, 401 Coffman Memorial Union, 300 Washington Avenue S.E., Minneapolis Campus(see map below). We hope to provide a pleasant evening during which microscopists will be moved to renew or begin memberships in MMS, MSA and/or MAS.

Different this year is a tour from 5:45-6:45 to begin the evening. The buffet dinner and program follow from 7:00-8:30. The Campus Club sets up one of the finest food lineups in the world. The dinner affords an excellent opportunity to meet microscopists from many disciplines, talk shop, and to have a pleasant time together. The talk is from 7:30-8:30. Parking is available behind the Union in the East River Road Ramp (connected by walkway to Union) for \$2.50 (per day rate), and at other Minneapolis Campus locations(see map inside).

Our featured speaker, Paul Walther, is from the ETH, Laboratory for Electron Microscopy 1, Institute for Cell Biology, Zurich, Switzerland. Before the Campus Club Buffet, the Department of Cell Biology and Neuroanatomy will host an open house from 5:45 to 7:00 pm with demonstrations of CryoSEM in Stan Erlandsen's lab, CryoTEM in Ed Egelman's lab, Cryo-sectioning by Tom Groppoli and a tour of the Biomedical Imaging Processing Laboratory (BIPL).

People should come to room 2-164 in Jackson Hall (see map below) at 5:45pm where we will do the microscopy demos after which we will see the imaging lab on the fourth floor. The tour will last about 60 minutes and we'll proceed directly to the Campus Club upon its conclusion.

We will hold a short business meeting just before the talk. The Buffet Dinner is \$12.00 per person payable at the door. (non-member \$22.00, includes new membership), \$8.00 for current student members (non-member student \$13.00, includes new membership).

In order for us to provide an accurate head count to the Campus Club, please make an advance reservation by contacting [Mike](#) or [Stuart](#). Deadline: Monday, September 30.

Buffet head counters:

**Mike Coscio (612)569-1331, 569-1284 FAX, [mike.coscio@medtronic.com](mailto:mike.coscio@medtronic.com)**  
**Stuart McKernan, (612)626-7942, 626-7530 FAX, [stuartm@maroon.tc.umn.edu](mailto:stuartm@maroon.tc.umn.edu)**

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## MMS President's Message

Welcome to a new season of Minnesota Microscopy Society activities. Gib has allowed me, as President, several column micrometers in the newsletter, and I would like to start by thanking everyone who helped in any way in the organization of Microscopy and Microanalysis '96. It was a great success and all of your time and energy were greatly appreciated. In the coming year there will be opportunities for everyone to continue in this community spirit, and I would encourage you all to do so.

Firstly, this year we are involved in the site-testing of Project Micro. Many members of the MMS have already volunteered to help with this but extra volunteers can easily be accommodated. Even if you can't help this year, we intend to keep the project going in the coming years, so keep in touch with what is happening this year. You can most easily do that through the Project Micro page on the MMS web site.

Secondly, although this is also in conjunction with Project Micro, on our web site is an item "Ask Mike Roscope" which is based on Nestor's "Ask-a-Microscopist" feature of the MSA web site. Basically it allows schools (or anyone actually) who has a microscopy-based question to send it to "Mike Roscope" who will send an answer back within a couple of days. What I would like is to set up a list of people with various areas of expertise who "Mike" can pass the questions on to. If we have several volunteers then it should not be an onerous burden on any one of them. It is not necessary for the volunteer to actually answer the question themselves, but to ensure that an answer is found and delivered within a couple of days. If you would like to help "Mike" out, or if you have any ideas about efficient ways of doing this, let me know.

Finally, this year we would like to create a directory of MMS members to distribute to the membership - probably early in the new year. If you do not want your name and/or address included in the directory please make sure to mark the appropriate space on the membership application form for this year.

Wishing you all an interesting "microscopical" season,

[Stuart McKernan](#)

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# **MMS, MICROSCOPY & MICROANALYSIS 96**

**August 11-15, 1996**

**WHEW !**

Congratulations! Salutations! Huzzahs! to the Minnesota Microscopy Society and Local Arrangements Committee for doing an exceptional job in hosting MICROSCOPY & MICROANALYSIS 96 at the Minneapolis Convention Center. For all who participated in any way it will be an experience to savor and remember. The level of commitment, professionalism, finesse, enthusiasm and esprit de corps was outstanding. We have much to be proud of, so take a final bow for M & M '96, MMS!

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## **M & M '96 Booklet: Experiences Remembered**

If you have any special memories, experiences, incidents, highs and lows, crises narrowly averted, whatever & etc., during the planning stages and the meeting itself, write them down now while they are still fresh and forward them to [Ev Osten](#) or [Gib Ahlstrand](#). They will be compiled into a booklet and distributed to LAC members, volunteers, and others. Perhaps some digitized pix will be included. If you were on a LAC committee, volunteered for duty during the meeting, were a workshop or session chair, or just simply attended, we'd like to include your experiences in this booklet. Include your name, any committee position, volunteer, organizational function or role you played in the meeting.

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## **A note on Microscopy & Microanalysis 96 from Ev Osten, Local Arrangements Committee (LAC) Chair:**

A letter I got today (8/28) sums up the comments I've heard during and after the M&M 96 meeting (this was from a Director of the Microscopy Society of America): "Thank you [the local arrangements committee] for your superb work on M&M 96 - this meeting was truly outstanding!" While this Director's comments were about the LAC, I think they could be extended to the three other main components of the meeting; the scientific program, the exhibits and the weather. Notable in the program were (1) a new format for poster presentations where the presenters, in a mini-platform session, gave brief overviews of their work before going out to the poster displays, and (2) the integration of computers, the internet and telepresence into some of the presentations so, for example, non-attendees world-wide could for the first time get live broadcasts from a microscopy meeting.

Thanks again to our LAC members for their work, imagination and hospitality before and during the meeting. I think we enhanced the reputation of the Minnesota Microscopy Society, and even polished up Minneapolis' image a bit for the attendees.

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# **From Nestor Zaluzek, now happily the Former Program Chair of Microscopy & Microanalysis:**

A final farewell & thanks to Minneapolis. Well the Microscopy & Microanalysis 96 meeting is over and a lot of people are happy and rightfully tired. Allow me to take this opportunity to literally take my hat off to all those of you who have made this meeting a resounding success. A special acknowledgment is due to the Symposium Organizers and very importantly the Local Arrangements Committee, without whom this meeting could not have taken place. You all did a great job!

For those of you that could not attend, this year the scientific registration reached 1530 individuals and is the second highest ever attendance in the meeting history, exceeded only by the mega-meeting which was held in Boston in 1992 and was also the 50th anniversary meeting of the Microscopy Society of America.

Several other notable "First's" happened this year. The proceedings appeared on-line and many of you took the opportunity to preview medium resolution copies of all the presentations. Poster Sessions were distributed throughout the meeting and about 1/4 of each were presented daily, with each poster presenter given a brief opportunity to stand up and say a few words in a topical discussion session. The experimental TelePresence link which we established and only announced on the evening prior to the start of the meeting met with surprising success. This represented the first ever Live Internet broadcast to the world from a Microscopy meeting. And given the short notice I'm particularly pleased with the results. In effect, we are now becoming a truly connected community of microscopists and microanalysts. We recorded TelePresence Access from 18 countries around the world the farthest were our colleagues in Australia while the most numerous were various Universities in the USA.

A total of 1252 logins were recorded to the TelePresence link in the computer workshop area, where we not only broadcast a continuous view of the workshop, but on Tuesday broadcast live the entire TelePresence Microscopy Symposium (another first), with yours truly being the first speaker ;-). Those who had access to a Java Aware WWW browser were able to not only watch but listen to the symposium on-line (with varying degrees of success depending upon the speed of your connection to the internet).

We also had delayed broadcast on Tuesday of the public policy symposium where presentations were made by Congressman Bill Luther, member of the House Science Committee and by Christopher Roosa, the Assistant Legislative Director of the House Committee on Science. I will be arranging a repeat broadcast of that discussion for those of you who might be interested and will post the details sometime in the next few weeks.

In addition, to the computer workshop we recorded 883 accesses to the Exhibit Floor Telepresence line. Because of our connectivity, a number of Exhibitors were able to have live high speed access (T1) to the Internet, yet another first, and I expect this to grow next year.

Finally on behalf of the Microscopy Society of America, the Microbeam Analysis Society and the Microscopical Society of Canada, the meeting attendee's and myself allow me to thank again all those who made the meeting a success. We all hope that if you couldn't make it this year you will be able to join us next year in Cleveland, Ohio (August 10-14, 1997). Just keep checking the society home page (<http://www.msa.microscopy.com>) for details.

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## **November/December Joint Meeting?**

It looks like MMS may be having a joint meeting with IS&T (Imaging Science and Technology) Society in late November or early December. They have a homepage at [HTTP://www.imaging.org/index.html](http://www.imaging.org/index.html). Check it out. They are trying to bring in their traveling speaker, Mary McCann. She is apparently one of their resident microscopists formally from Polaroid Corp.

Mark E. Cavaleri, Program Committee.

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## **ATTENTION UNDERGRADUATES: 1997 MSA UNDERGRADUATE SCHOLARSHIP PROGRAM**

This scholarship program is open to Junior and Senior college and university students interested in doing research using ANY microscopy technique as the principal investigative tool. Awards of up to \$2,500 per student/proposal are available. Students should be sponsored by a member of MSA. Submit an application and brief research proposal by December 30, 1996. Do you know of any undergrads in science to interest in electron microscopy? Act now. Applications can be obtained from the MSA Business Office at (800)538-3672 or FAX:(508)548-9053. Additional information and application forms are available from Dr. Ralph Albrecht, Dept. of Veterinary Science, University of Wisconsin, Madison, WI 53706. (608)263-3952 or -4162, FAX:(608)262-7420.

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