

Minnesota Microscopy Society Newsletter



Local affiliate of Microscopy Society of
America

Local affiliate of Microbeam Analysis Society

MMS October 1998 NEWSLETTER

November Meeting

Date: Thursday November 19, 1998

Location: U of M, St. Paul Campus, Classroom Office Bldg. Room 35.

Time: 5:45 - 7:15 PM

Behind-The-Scenes Tour Of The Science Museum of Minnesota

On Thursday, November 19, MMS members arrive at the Science Museum of Minnesota, Wabasha & Exchange, downtown St. Paul, by 5:45 PM. Meet at the Box Office in the West Building (building with the metal iguana guarding the entrance). We will tour three lab areas (~20-25 minutes in each lab).

1. Conservation Lab [**Gretchen Anderson**] in the anthropology hall showing conservation techniques and tools, some recent problems solved, future plans, etc.
2. (2) Paleontology Lab [**Andy Redline**] in the paleo hall--current work, new exhibits, tools, volunteer program, etc.
3. (3) Prototype Shop [**Richard Gagnon**], originally was a "lab" or "kitchen" for Experiment Gallery exhibits, prototyping philosophy, current projects, new museum features, tools, etc.

All tours to finish by 7:15. Those MMS members who wish to continue conversations will have dinner after the tour at a yet-to-be-determined nearby bistro.

Street parking (meters) is free after 4:30. There is a pay ramp below the Museum with access from Exchange street. Note: The 19th is the closing night for the film Everest and the museum may be crowded so give yourself plenty of time to find parking and get to the box office area.

We need a headcount for the tours so if you plan on attending, contact Ev Osten, 651-736-0104, efosten@mmm.com by Friday November 13th.

1998 / 1999 Season Meetings

September 17,1998	Marc Porter
October, 15 1998	Speaker: C. Barry Carter U. of Minnesota, East Campus
October, 22 1998	MMS Project MICRO Event 210 Amundsen Hall, University of Minnesota, East Bank Campus
November, 19 1998	MMS Field Trip Science Museum of Minnesota
March, 24 1999 Note: Traditional Location: St. Louis Park VFW	Annual joint meeting with ASM. Acoustic Microscopy Speaker: Joseph Sigmund, SONIX
May 1998 The Midway Sheraton.	Spring Symposium. Topic: Latest Trends in Microscopy.

MMS PROJECT MICRO

Mark Sanders and Stuart McKernan went to the Science Museum a couple weeks ago, and they were very enthusiastic about working with MMS (or vice versa). Here is a preliminary write up for their next Family Fun prospectus. It is about the same length and detail as their other offerings.

Classes for grades 3 to 6
Microworld Festival
Sat, ???

Visit the incredible "microworld" that is all around us. Using magnifiers and microscopes you will be able to examine familiar everyday objects, and see them in ways you never imagined before.

Fee: \$16 mbr, \$19 nonmbr

Location: Science Museum

Instructors: Volunteers from the Minnesota Microscopy Society.

We will need volunteers for this (and other forthcoming events).

For more info, contact Stuart, (612) 624-6009, stuartm@tc.umn.edu

There will be a meeting for past, present and future volunteers of Project Micro on Thursday October 22nd at 7:00 pm in room 210 Amundson Hall on the East Bank of Campus. The aim of the meeting is to go over the experiences of the previous years, and to set up events for this coming year. In addition to working with the schools in St Paul, we are setting up a collaboration with the Science Museum to start in February, and expect to be at the Bell Museum's Science Fest again next year. We may also have some more microscopes to place in schools.

If you are interested in learning about these opportunities please come along. Mention the meeting to your friends, and any teachers you know. All are welcome.

Project Micro Contacts are:

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Ev Osten, (612) 736-0104, 733-0648 FAX, efosten@mmm.com,

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Caroline Schooley, MSA Educational Outreach Coordinator, Box 117, Caspar, CA 95420. e-mail: schooley@mcn.org. Phone/FAX(707)964-9460.

For more information, check Project MICRO web site at: <http://www.msa.microscopy.com/ProjectMicro/>

or the Lawrence Hall of Science (<http://www.lhs.berkeley.edu/GEMS/html>)

MMS Membership directory

MMS has put out a membership directory which is available to all members and other friends of the Society. Please check your name, address, affiliation, phone number, e-mail address, web site or whatever in the directory, and contact Stuart McKernan at (612)626-7942, 626-7530 FAX, or by e-mail at:

stuartm@tc.umn.edu if you find anything that needs updating. You may also check out your entry and send in updated information over the web at <http://www.charfac.umn.edu:591/MMS/>

MMS Notices and Announcements

The University of Minnesota Microscopy and Imaging Consortium

is proud to announce the following

Workshop

Title: Microwave Specimen Processing and Imaging in the Biomedical Sciences

When: October 28 - October 30, 1998

Where: University of Minnesota, College of Biological Sciences, Imaging Center

Tuition: \$300.00 (Includes lunches and refreshments)

Application Deadline: October 19, 1998

For admission application, information, and any questions, contact:

Mark A. Sanders, Program Director, Imaging Center,

23-35 Snyder Hall, 1475 Gortner Ave., University of Minnesota

Twin Cities Campus, St. Paul, MN 55108,

612-624-3454, fax: 612-625-5754, msanders@biosci.umn.edu.

Course Description

Designed primarily for research scientists, technicians, postdoctoral trainees and advanced graduate students in animal, plant, medical sciences. Biologists seeking a comprehensive introduction to specimen processing, microscopy and video-imaging will benefit greatly from this workshop. There are no specific prerequisites, but an understanding of the basic principles of optics is desirable. Limited to 12-15 students.

The three day course consists of lectures, laboratory demonstrations, exercises and discussions that will enable the participant to prepare specimens for immunocytochemistry at both the light and electron microscope levels. Students will obtain and interpret microscope images of high quality, to perform quantitative optical measurements, and to produce photographic and video records for documentation and analysis.

Topics to be covered include: (principles of microwave processing for biological materials (immunolocalization for light and electron microscopy (principles of microscope design and image formation (bright field, dark field, phase contrast, differential interference contrast, interference reflection, and fluorescence and confocal scanning microscopy (video imaging, recording, and enhancement (analog and digital image processing and analysis.

Students will have direct hands-on experience with state-of-the-art microwave processors, microscopes, video cameras, recorders and image processing equipment provided by major optical and electronics companies. Instruction will be provided by experienced staff from universities and industry. Students are encouraged to bring their own biological (primary cultures, cell lines, etc.) and material specimens and to discuss individual research problems with the faculty.

Microscopy & Microanalysis '99

August 1-5, 1999

Portland, Oregon

Microscopy and Microanalysis '99 will be held in Portland from Sunday 1st August to Thursday 5th August. Expect to see the call for papers at the beginning of November. We have arranged a very strong scientific program, and the Local Arrangements Committee have some great ideas for the meeting. One is a competition to find the "best" micrograph of Mt. St. Helens volcanic dust, a competition they have tentatively titled "show us your ash". Samples of ash were available at the meeting in Atlanta, but I have a couple of extra samples if anyone would like one. The second event they have arranged is a post-conference cruise to Alaska. Again details were available at the Atlanta meeting, and will be provided in the call for papers, but if you are interested see me at the October Meeting. This should be another very good meeting, and I hope to see many of you there.

For information and registration materials, contact **MSA Meeting Manager**, The Rebedeau Group, 1-708-361-6000, MSA@tradeshownet.com, or the Web site at: <http://www.MSA.Microscopy.Com>.

NOTE: To all of our readers: If you are interested in getting your quarterly newsletters and other announcements from MMS electronically, we strongly encourage those who are technologically enabled to begin accessing the MMS Newsletter via our web site (see top of this sheet) and to subscribe to other flyers and announcements via e-mail. As a reminder, an e-mail notice would be sent out to all web site viewers when each new newsletter is posted on our web site. Other short meeting announcements will be sent out by e-mail in addition to being posted on our web site. However, hard copy announcements via U.S. Postal Service will

continue to be available for those who have no web access or prefer to get hard copy mailings. Finally, if you have no interest in remaining on our mailing list, please also indicate that choice.

Communicate your preferences to MMS Webmaster [Stuart McKernan](#)

phone: (612)624-6009

Notices, announcements via E-mail. E-mail address:

Newsletter via MMS web site. (also give e-mail address above).

Send my newsletter and announcements by U.S. Postal Service, as before.

Remove my name from MMS mailing list.
