

Minnesota Microscopy Society Newsletter

LOCAL AFFILIATE OF MICROSCOPY SOCIETY OF AMERICA

LOCAL AFFILIATE OF MICROBEAM ANALYSIS SOCIETY

WWW Page at <http://charfacnu.cie.umn.edu/MnMicSoc.html>

APRIL 1996

W M M S W SPRING W SYMPOSIUM W

SHERATON INN, MIDWAY
I-94 at HAMLIN AVENUE
ST. PAUL, MN
THURSDAY - MAY 23, 1996

SCHEDULE OF EVENTS

8:00 - 9:00 AM

Coffee and Late Registration

9:00 - 9:45

MARTY HARALDSON

Alpha Video, Edina, MN

Understanding Video Signals: Cameras,
Recording Formats and Printers

9:45 - 10:30

\ Coffee Break \

Vendor Displays

10:30- 11:15

MARK SANDERS

Imaging Center

College of Biological Sciences

University of Minnesota, St. Paul Campus

Capturing, Storing and Organizing Digital Image Files

11:15 - 12:45 PM

5 LUNCH 6

Vendor Displays

A buffet lunch will be served at the Sheraton Inn

12:45 - 1:00 PM

MMS Business Meeting

Election of Officers

1:00 - 1:45 PM

Dr. STUART MCKERNAN

Center for Interfacial Engineering

Characterization Facility

University of Minnesota, Minneapolis

Microscopy Resources on the Internet

When we hear that the Internet is growing at an ever-increasing rate or that something can be found on the Web, what does it mean to us? What actually is the Internet and how can it help us, as microscopists, in our work? This talk will cover a basic introduction to the Internet, with a short look at a few of the most common programs for accessing it. As a guide to the resources available I will include a detailed exploration of the Minnesota Microscopy Society's World Wide Web site, and then review some of the other

resources available on the Internet which could be useful to the microscopy community. I expect to make all of the information covered in the talk available on the MMS Web site at:

<http://charfacnu.cie.umn.edu/MnMicSoc.html>

1:45 - 2:15

\ Coffee Break \

Vendor Displays

2:15 - 3:00

Dr. DAVID BRIGHT

1996 MSA Traveling Speaker

Research Chemist, Microanalysis Group

National Institute of Standards & Technology

Gaithersburg, MD

Public Domain Shareware,
Microscopy and the Internet

3:00 - 4:30

Vendor Displays

Please make your reservation in advance! Contact Stuart McKernan at (612)626-7942, stuartm@maroon.tc.umn.edu or Dwight Erickson at (612)736-2830, usmmm214@ibmmail.com

Mail the form at the end of the newsletter with your check POSTMARKED NO LATER THAN MONDAY, MAY 20, if you plan to attend the Symposium (preferred, or pay at the door).

Symposium Fee: \$20.00 current regular MMS members 95/96 (dues paid since 9/1/95), \$30 non-member (confers regular membership), \$10.00 student members 95/96 (dues paid since 9/1/95) \$15.00 non-member students (confers student membership).

Vendors: A number of vendors of digital and other microscopy equipment will be present at the Symposium. If your company would like to have table space for product display, please contact **Symposium Vendor Liaison: Diana Kittleson** at Pillsbury TPC Labs, 330 University Ave. S. E., Minneapolis, MN 55414, (612)330-1898 Fax(612)330-8266

Microscopy & Microanalysis

'96

MMS TO HOST

MSA/MAS/MSC NATIONAL

CONVENTION IN 1996

"Microscopy & Microanalysis 96" - a joint annual meeting of the Microscopy Society of America, the Microbeam Analysis Society, and the Microscopical Society

of Canada/Societe de Microscopie du Canada will be held in Minneapolis on August 11 - 15, 1996. MMS will host this meeting through an ad hoc Local Arrangements Committee.

Holding the Microscopy & Microanalysis 96 meeting in our back yard (the Minneapolis Convention Center) should give many people in our 5-state/ 2-province area an opportunity to attend a really excellent meeting. Many of you have already received information about the technical and social aspects of the meeting. In the meantime, if you have any questions contact Ev Osten (phone # etc. listed in MMS Board & Officers box in this Newsletter)

For information and registration materials, contact MSA Business Office, 4 Barlows Landing Rd., Suite 8, Pocasset, MA 02559. 1-800-538-3672. BusinessOffice@MSA.Microscopy.com. Booklet contains all the information and forms needed to register in advance for the Meeting, submit papers for presentation, order reprints, apply for scholarships, reserve hotel rooms, and enter the micrograph competition.

Members of Local Arrangements Committee

Ev Osten (3M) LAC Chair
Dwight Erickson (3M) Treasurer
Stan Erlandsen (U of Minn) Vice-Chair
Mike Coscio (Medtronic) Vice-chair

Sunday Evening Reception: Jacque Aguilera, Mary Bucket, Tom Groppoli, John Humenansky, Carolyn Casoria and Mark Widland

Audio/Visual: Sue Okerstrom and Gib Ahlstrand.

Site Coordinator: Sue Okerstrom.

Poster Session: Gib Ahlstrand and Jacque Aguilera.

Signs: Carol Ritacca and Larry Hanke.

Program Production Meeting: John Basgen and Barry Carter (Program Liason).

Educational Outreach: Rodney Rappe, Tina Schwach and Devora Molitor.

Photography: Carol Ritacca and Tom Groppoli.

Hospitality Booth and Gophering at the Convention

Center: Mike Coscio and Mike Boucher plus all warm bodies not otherwise occupied at site.

Maps of Convention Center, Hotels, Restaurants, etc.: Devora Molitor and Mary Smith.

Women in Science: Carolyn Casoria and Jean Schlosser.

Souvenirs: (MMS function) Mike Coscio, Sue Okerstrom, Mike Boucher and Jacque Aguilera.

Publicity: Ev Osten and Mary Smith.

MAS Computer Workshop: Mark Cavaleri and Stuart McKernan.

Short Course Liaison: John Humenansky.

Golf Tournament: Stan Erlandsen.

Food at Convention Center: Mike Coscio.

FESEM Symposium: Stan Erlandsen and James Pawley (UW, Madison).

Experienced Microscopy Technician. Available for part-time or short-term projects. Some equipment will be provided. For further details, please contact Rae Vigeant at (612)525-3327.

Seeks Position. Microscopist with 21 years experience in Scanning Electron Microscopy in materials science seeks lab supervisor, lab support position or technical sales. Contact Ms. Kathy Vulu at (612)521-2049.

Position Available. Failure Analysis Technician, work closely with Design and Process Engineers to improve circuit performance using advanced microscopy tools to alter PC board layout and characterizations of device failure modes. Forward resumes to: VTC, Inc., Human Resources, 2800 East Old Shakopee Road, Bloomington, MN 55425-1350. (612)853-3091.

YOUR ARTICLE HERE??!

Do you have something to say about EM, a new technique, a book you've read that you want to review, a report on an EM meeting or workshop you've attended, or...what? Write it up and send it in! If you can do it on a 3.25 inch disk (Mac or PC) so much the better. Disks will be returned. Send your stuff to newsletter editor Gib Ahlstrand at the address given under the Board Directory at end of this newsletter.

MMS PATRON MEMBERS 1995-1996

We recognize our **PATRON MEMBERS** who have contributed financially to our Society above the standard membership dues. Their extra support is appreciated. To become a PATRON member, fill out the MMS Membership form near the end of this newsletter and check the appropriate box.

Mr. Gib Ahlstrand, University of Minnesota, Minnesota Ag. Experiment Station, St. Paul, MN.

Dr. Barry Carter, Dept. of CEMS, University of Minnesota, Minneapolis, MN.

Mr. Chris Christensen, Aspen Research, New Brighton, MN.

Dr. C. Carlyle Clawson, University of MN, Dept. of Pediatrics, Minneapolis, MN.

Mr. Michael Coscio, Medtronic, Inc., Promeon Division, Brooklyn Center, MN.

Mr. Mike Dambach, Kevex/Fisons, Madison, WI.

Ms. Diana Kittleson, TPC Labs, The Pillsbury Company, Minneapolis, MN.

Mr. William Macuire, Topcon Technologies, Inc. Paramus, NJ.

Mr. Ev Osten, 3M, 3M Center, St. Paul, MN.

Dr. A. A. Sinha VA Medical Center, Research Services, Minneapolis, MN

Mr. Paul Thompson, TPC Labs, The Pillsbury Company, Minneapolis, MN.

MMS BOARD & OFFICERS 1995 - 1996

WWW Page at <http://charfacnu.cie.umn.edu/MnMicSoc.html>

- Rodney Rappe**, President, (612)733-0564, 3M Company, Bldg 544-2N-01, St.Paul, MN 55144-1000.
- Michael Coscio**, Past President, MAS Representative, (612)569-1331, 569-1284 FAX, mike.coscio@medtronic.com, Medtronic Inc, Promeon Division, 6700 Shingle Creek Parkway, Brooklyn Center, MN 55430.
- Stuart McKernan**, Secretary, (612)626-7942, 626-7530 FAX, stuartm@maroon.tc.umn.edu, CIE Microscopy Center, University of Minnesota, Minneapolis NM 55455
- Dwight Erickson**, Treasurer, (612)736-2830, 736-7496 FAX, usmmm214@ibmmail.com, 3M Center, Industrial Abrasives Division, 251-1A-03, St. Paul, MN 55144.
- Tom Groppoli**, Corporate Liason, (612)626-5080 or -2854, 626-2791FAX. University of Minnesota, Pediatrics, Box 491 UMHC, Minneapolis, MN 55455.
- Ev Osten**, Local Arrangements Committee Chair, Microscopy & Analysis '96 (national MSA convention) (612)736-0104, 733-0648 FAX, efosten@mmm.com, 3M Corporate Research Labs, 3M Center, 201-BE-16, St. Paul, MN, 55144.
- Gib Ahlstrand**, Newsletter Editor, (612)625-8249, 625-9728 FAX, giba@puccini.crl.umn.edu, University of Minnesota, Minnesota Ag. Experiment Station, 495 Borlaug Hall, St. Paul, MN, 55108.
- Rae Vigeant**, Newsletter Assistant, 774-3593H, Random Microscopy Services, 593 White Bear Ave. N., St. Paul, MN 55106.
- Mark Cavaleri**, Program Committee, (612)733-3247, 733-0648FAX, mecavaleri@mmm.com, 3M Center, Bldg. 201-1E-15, St. Paul, MN 55144.
- Beth Leys**, (612)736-6370, 736-7037 FAX, 3M Center, Corporate Research/Analytical, 219-1S-01, St. Paul, MN 55144.
- Ron Youngquist**, Emeritus, 776-5790, 1436 Idaho Ave. E., St.Paul, MN 55106.

MICROSCOPY SOCIETY OF AMERICA

MSA(formerly EMSA) is a national organization whose purpose is to promote education and progress in all areas of microscopy. It holds a national convention in August, publishes a journal, the **JMSA**, included with membership, and provides traveling speakers, financial grants and other services to local chapters like MMS.

Name _____ Dr. _____ Ms. _____ Mr. _____

Mailing Address _____

Phone (daytime): (_____) _____ Interest: Bio Science _____ Physical Science _____.

Signature of Nominating MSA Member _____.

Signature of advisor (for student applications) _____.

Signature of applicant _____.

Enclose a check for 1 year's dues, payable to MSA and a brief statement of your qualifications, experience, and/or student status. Send completed application to: MSA Business Office, 4 Barlows Landing Rd., Pocasset, MA 02559. For more info: phone(508)563-1155, FAX(508)563-1211, toll free 1-800-538-3672, e-mail: BusinessOffice@MSA.Microscopy.com
 Regular Member \$40 _____ Student Member \$10 _____ Sustaining Member \$350 _____.

MAS MEMBERSHIP FORM

The Microbeam Analysis Society exists to promote education and progress in all of the analytical techniques that are used in electron microscopy: X-ray microanalysis, Auger analysis. etc. It holds an annual meeting, often jointly with MSA, provides traveling speakers to local MSA chapters, and sends periodic mailings on Society affairs to members. It develops and provides analytical software to members upon request, and more. The Society publishes a bi-monthly journal called **Microbeam Analysis**, included with membership.

Name _____ Dr. _____ Mr. _____ Ms. _____

Affiliation _____ Position _____

Company Address _____

Phone(Day) (_____)- _____ Interest: Materials Science _____ Bio-Science _____

Regular Member \$40.00 _____ Student Affiliate \$2.50 _____ Student(includes Microbeam Analysis) \$27.50 _____

For Students: Advisor Signature _____ Graduation Date _____

Applicant's Signature _____ Date _____

MAS now accepts credit cards for membership. Fill out completely below:
 Name of cardholder(printed) _____ Address where card billing is sent _____

MasterCard _____ VISA _____ Other _____

Card Number in entirety _____ Expiration Date _____

Signature of cardholder _____

Mail application and check to: Microbeam Analysis Society, c/o VCH Publishers, Inc., 303 NW 12th Avenue, Deerfield Beach, FL

33442-1788. For further information, call VCH Publishers, MAS Membership Services, at (818)357-0183.

Minnesota Microscopy Society - Membership Form: 1995-96

All microscopists are urged to support their Society at one of the membership levels offered below. The more dues-paying members we have, the more likely we are to attract sustaining corporate memberships which form the financial backbone of our Society. Often, supervisors will support MMS memberships out of their project budget because they recognize that it is a very inexpensive way to maintain and increase the skills of their microscopists. If you have been a member over the years and recognize the value of MMS to the community of microscopists it serves, consider upgrading your membership this year to the patron or sustaining level. Thank you.

Name _____ Dr _____ Mr _____ Ms _____ Phone (____) _____
 Affiliation _____ Position _____ e-mail _____
 Address _____ ZIP _____

Describe your areas of interest; Please state manufacturer and model of instrumentation below:

Bioscience _____ Materials Science _____
 SEM _____ TEM _____ X-ray _____

Are you an MSA Member? _____ MAS Member? _____ Other Professional groups? _____

Basic \$10 _____ Patron \$25 _____ Sustaining \$100 _____ Student \$5 _____ **Due by Dec 31, '95**

Make checks payable to MMS and mail to our treasurer: Dwight Erickson, MMS Treasurer, 3M Center, Bldg. 251-1A-03, Saint Paul, MN 55144.

REGISTRATION FOR MMS SPRING SYMPOSIUM, MAY 23, 1996, MIDWAY SHERATON INN (if your registration includes a new membership, fill out and include MMS Membership Form, above).

Please postmark your reservation no later than Monday, May 20.

Name _____ Phone _____ Affiliation _____

Individual Members _____ @ \$20.00 each = \$ _____. # Student Members _____ @ \$10.00 each = \$ _____.

Total Amount Enclosed = \$ _____.

Above cost for current 94/95 MMS members only(dues paid since 9/1/95). Non-members and renewals please include membership dues and form(see above).

Make out your check to MMS and mail it together with this form to: Dwight Erickson, MMS Treasurer, 3M Center, Bldg. 251-1A-03, Saint Paul, MN 55144. Late reservations may pay at the door.

Minnesota Microscopy Society
Gib Ahlstrand, MMS News Editor
U. of Minnesota, 495 Borlaug Hall
1991 Upper Buford Circle
St. Paul, MN 55108

***MMS SPRING SYMPOSIUM
May 23, 1996**

***MMS HOSTS MSA August 1996**

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