
Minnesota Microscopy Society

Local affiliate of the *Microscopy Society of America*
and the *Microbeam Analysis Society*



Newsletter

September 2004

Minnesota Microscopy Society Fall Meeting

Thursday, October 14, 2004

Microscopy Today: What's New in 2004

Speaker

Ron Anderson
Editor of *Microscopy Today* and
MSA Past President

Location

Campus Club, 4th Floor, Coffman Union
University of Minnesota, 300 Washington Ave.,
Minneapolis, MN

Schedule

Registration and	
Social Hour (Cash Bar)	5:00 PM - 6:00 PM
Buffet Dinner	6:00 PM - 7:30 PM
Speaker	7:30 PM

Dinner Buffet

Chicken, Chef-carved Roast Crown of Pork,
Potato-crust Sea Bass, Stuffed Mushroom Caps,
Seasonal Vegetables, Yukon Gold Potatoes, Dessert
Bar

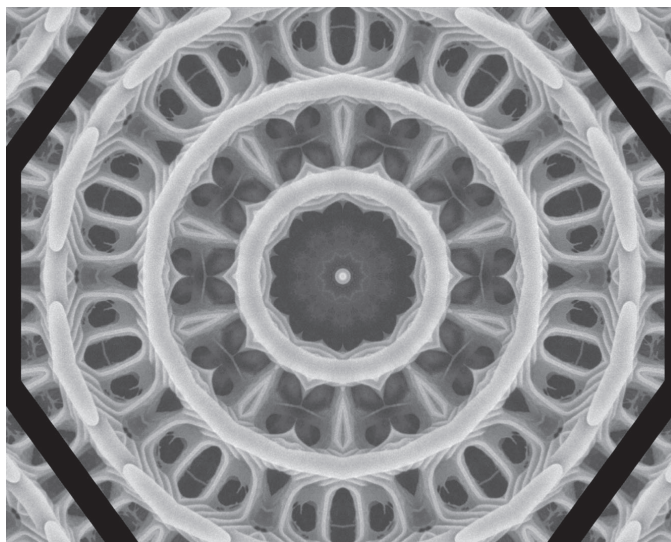
Cost of the Meeting

The cost for the meeting and dinner is \$25 for
members and \$15 for students.

Reservations

Reservations for the meeting MUST be made no
later than **Friday, October 8th**. Contact Bede
Willenbring at bede.willenbring@hbfuller.com

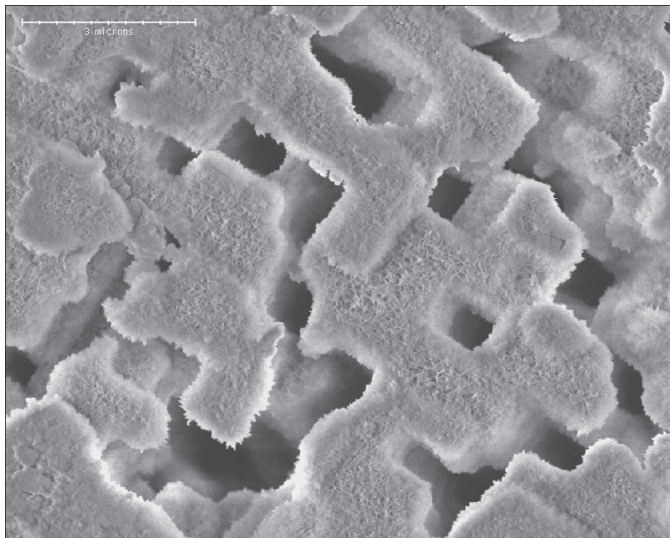
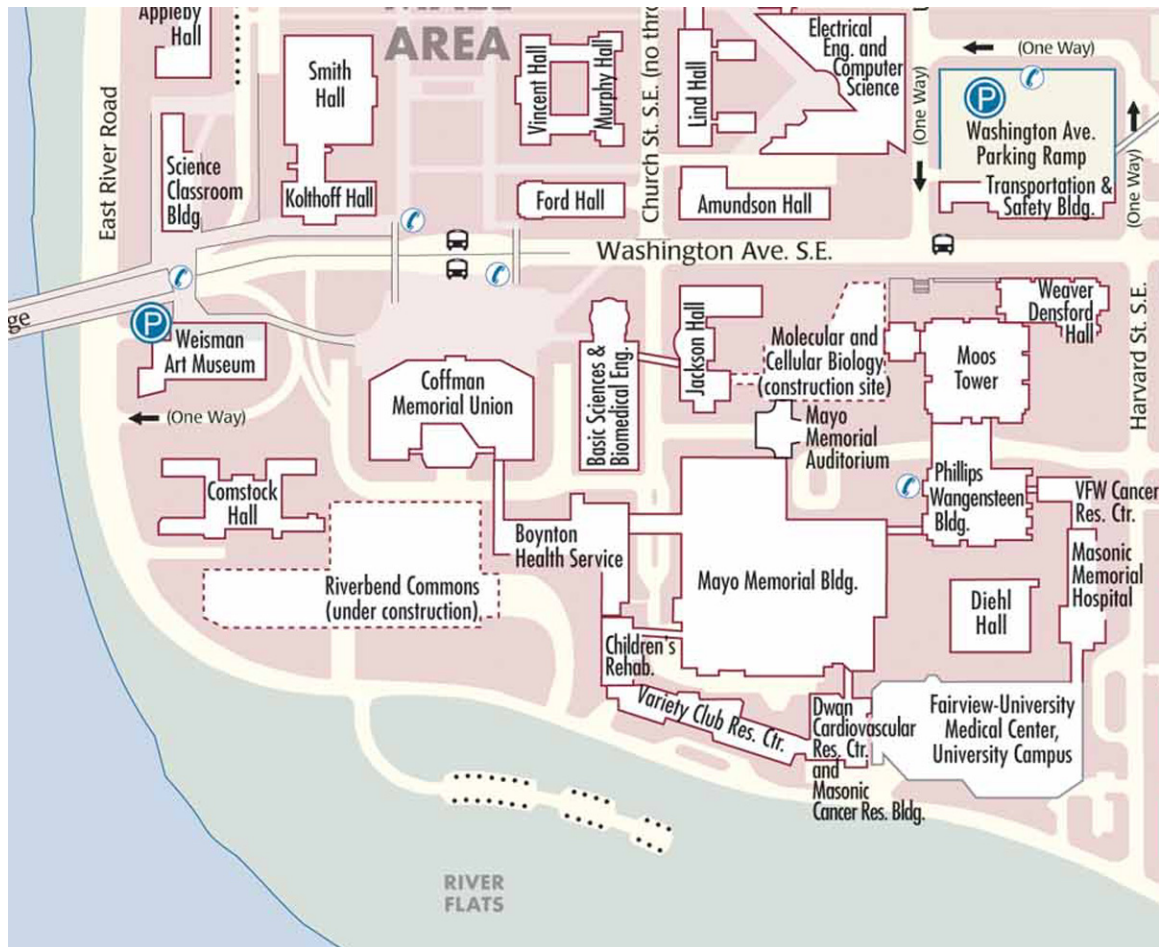
Ron Anderson retired after a 42-year career in microscopy and took over the editorship of the magazine *Microscopy Today*. This has proven to be a great opportunity to stay current in the entire field of microscopy. One of the sections in *Microscopy Today* is entitled "New and Interesting at M&M-200X." All exhibitors at the annual Microscopy and Microanalysis meeting are asked to contribute a short paragraph on what they deem to be, you guessed it: new and interesting in their respective fields. Much of the material to be presented at this meeting was pulled from this section of the magazine, and will cover the best of the best of what is new in microscopy. This will include such topics as TEM specimen preparation, tomography, and energy filtering on TEMs.



Butterfly wing by Jeff Payne, photo contest winner,
MMS Spring Symposium

Coffman Union Location Map

Parking closest to Coffman Union can be found immediately behind the building (shown on the map as “under construction”); parking is also available in the Washington Avenue Ramp and the Weisman Art Museum Ramp.



Oxide growth
by Sue Okerstrom,
photo contest winner
Minnesota Microscopy Society
Spring Symposium

Upcoming MMS Meetings

November 18, 2004

Tour of Coca Cola Bottling Works; 4:30 PM

January 27, 2005

Tour of BCA Laboratories (tentative)

March 17, 2005

MinnTS Meeting

May 6, 2005 - Spring Symposium

Cutting Edge Technologies in Microscopy

Microscopy Position

Ford Motor Company - Dearborn, MI, USA

Ford's Scientific Research Laboratory is looking for somebody to replace their primary electron microprobe operator. The position requires potential candidates to have either a B.S. or M.S. degree (Materials Science preferred) and have experience in electron microscopy (not necessarily electron microprobe, but microprobe experience would be a big plus).

If interested, contact:

Dr. William T. Donlon
Ford Motor Company
Scientific Research Laboratory, MD3182
2101 Village Road
Dearborn, MI 48121-2053
(313) 323-1707
wdonlon@ford.com

Project Micro

THANK YOU to all the VOLUNTEERS who came to the Project MICRO Workshop on Thursday, August 19, 2004. Thank you for all your time and help! Demonstrations were restored, lights checked, and all microscopes were cleaned. Project MICRO is now ready for another successful year! THANK YOU! THANK YOU! THANK YOU!

- Ann Palmer

Volunteers Needed for Project MICRO Event

SUPER SCIENCE SATURDAY - A 2-day event.
Location: 3M Maplewood Campus

Friday, October 1, 2004 from 3:00 pm to 6:00 pm:
Teachers Workshop (promote microscopy in their curriculums).

Saturday, October 2, 2004 from 11:00 to 3:00 pm:
Super Science Saturday.

If interested, contact Jeff Payne at 651-733-2352 or by email at jjpayne@mmm.com

Get Your News Published in the MMS Newsletter

The Minnesota Microscopy Society is always looking for contributions to its newsletter. Contributions can be either news items or short articles on a technical topic that would be of general interest to the Society's members. Does your company have a new product or a new sales representative for this area? If you have news that would be of interest to MMS members, send it to the Newsletter Editor, Peter McSwiggen, McSwiggen & Associates, 2855 Anthony Lane South, Suite 1B, St. Anthony, MN 55418, or e-mail it to: PMcS@McSwiggenAssoc.com.

Sustaining Corporate Members

Sustaining members are the backbone of financial support for the Society. These members make it possible for the Society to support Project Micro and to cover many expenses of the regular meetings and the Spring Symposium. We greatly appreciate the continued support of these individuals and corporations. To become a Sustaining Member, complete and return the MMS membership form at the end of the newsletter.

Tory Bourgholtzer	Foundation for Advances in Medicine & Sci.	201-818-1010
Michael Boykin	Mager Scientific, Inc.	734-426-3885
Michael Coscio	Medtronic Inc.	763-505-4561
Lester Engel	Engel Metallurgical Ltd.	320-253-7968
Larry Hanke	Materials Evaluation & Engineering Inc.	763-449-8870
Gary Hawkinson	Thermo Electron Corporation	608-835-0816
Brad Johnson	North Central Instruments, Inc. / Leica	612-559-3008
Mark Kelsey	PGT	708-386-9684
Jim Liddle	HITACHI High Technologies America, Inc	847-273-4359
Peter McSwiggen	McSwiggen & Associates	612-781-2282
Robert Mierzwa	JEOL USA, Inc.	920-803-8945
Ruth Murray	Oxford Instruments USA	859-384-9861
Steven Neptun	FEI Company	860-673-8412
Ted Pella	Ted Pella, Inc.	800-237-3526
Russell Pylkki	Aspen Research Corp.	800-811-3037
Gary Saxrud	Fryer Company, Inc.	952-942-6747
Jean Schlosser	Crane Engineering and Forensic Services	763-557-9090
Chad Tabatt	Gatan Inc.	888-778-7933
Joe Ullmer	EDAX / TSL	801-495-2750
Ken Witherspoon	IXRF Systems, Inc.	281-286-6485

If any Sustaining Members are missing from this list, *please* contact either: Jason Heffelfinger (763-514-1021, jason.r.heffelfinger@medtronic.com) or Peter McSwiggen (612-781-2282, PMcS@McSwiggenAssoc.com).

MMS Patron Members

The Minnesota Microscopy Society would like to express sincere thanks to our Patron Members. These members provide financial support to the organization above the standard membership fee. This type of added support makes it possible for MMS to maintain its financial well being. To become a Patron Member, complete and return the MMS membership form at the end of the newsletter.

Ronald Adkins,	3M Company, St. Paul	Devora Molitor,	3M Company, St. Paul
Gib Ahlstrand,	University of Minnesota, Mpls	Susan Okerstrom,	Medtronic Inc., Brooklyn Center
Tony Anderson,	Surmodics, Eden Prairie	Ev Osten,	3M Company, St. Paul
Paul Baker,	Medtronic Inc., Minneapolis	Ann Palmer,	University of Minnesota, Mpls
Mary Buckett,	3M Company, St. Paul	Jeff Payne,	3M Company, St. Paul
Barry Carter,	University of Minnesota, Mpls	Christina Pierce,	Surmodics, Eden Prairie
Kevin Cowden,	ev3 Inc., Plymouth	Dan Schaub,	FEI Company, Oronoco
Ellery Frahm,	University of Minnesota, Mpls	Gary Smith,	Innovatech Labs, Chanhassen
Chris Frethem,	University of Minnesota, Mpls	Mary Swierczek,	3M Company, St. Paul
Greg Haugstad,	University of Minnesota, Mpls	Jerry Tangen,	JEOL USA, Inc., Monticello
Elizabeth Henrikson,	3M Company, St. Paul	Carol Wells,	University of Minnesota, Mpls
Duane Krueger,	University of St. Thomas, St. Paul	Bede Willenbring,	H.B. Fuller Co., St. Paul
Lori LaVanier,	Evans PHI, Chanhassen	Klaus Wormuth,	Surmodics, Eden Prairie
Stuart McKernan,	University of Minnesota, Mpls	Neal Zimmermann,	Seagate Technology, Prior Lake

MMS BOARD and OFFICERS 2004-2005

President: Dwight Erickson, 3M Center, Bldg.
251-1A-03, St. Paul, MN, 55144; (651) 736-2830,
derrickson3@mmm.com

Past-President: Ann Palmer, University of Minnesota
Dept. of Pediatrics, MMC 491, 420 Delaware St., MN,
55455; (612) 626-3708, palme003@umn.edu

President-Elect: Jason Heffelfinger, Medtronic Inc.,
6700 Shingle Creek Parkway, Brooklyn Center, MN 55350;
(763) 514-1021; jason.r.heffelfinger@medtronic.com

Secretary: Robert Lundquist, Boston Scientific,
One SciMed Place, Maple Grove, MN 55442;
(763) 494-7945; robltt@juno.com

Treasurer: Bede Willenbring, H.B. Fuller Co., St. Paul, MN;
(651) 236-5470, Bede.Willenbring@HBFuller.com

Corporate Liaison: Jason Heffelfinger, Medtronic Inc.,
6700 Shingle Creek Parkway, Brooklyn Center, MN 55350;
(763) 514-1021; jason.r.heffelfinger@medtronic.com

Webmaster: Stuart McKernan, IT Characterization Facility,
University of Minnesota, Minneapolis, MN, 55455;
(612) 624-6009, stuartm@umn.edu

Newsletter Editor: Peter McSwiggen, McSwiggen & Associates,
2855 Anthony Lane S., Suite B1, St. Anthony, MN, 55418;
(612) 781-2282, PMcS@McSwiggenAssoc.com
Copy Editing: Barbara Meier

MAS Representative: Michael Coscio, Medtronic Inc.,
710 Medtronic Parkway, Minneapolis, MN 55432-5604;
(763) 505-4561; mike.coscio@medtronic.com

Other Board Members:

Ev Osten, 3M Center, St. Paul, MN;
(651) 736-0104, efosten@mmm.com

Jeff Payne, 3M Center, St. Paul, MN;
(651) 733-2352, jjpayne@mmm.com

Sue Okerstrom, Medtronic Inc., Minneapolis, MN;
(763) 514-4678, sue.okerstrom@medtronic.com

Paul Baker, Medtronic Inc., Minneapolis, MN;
(763) 514-4519, paul.baker@medtronic.com

Jacque Aguilera, 3M Center, St. Paul, MN;
(651) 737-4275; jmaguilera@mmm.com

Steve Block, JEOL USA, Inc.,
s-block@attbi.com

Adam Dickson, Cymbet Corp., Elk River, MN
adickson@cymbet.com

Minnesota Microscopy Society – Membership Form

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 _____

Address _____ ZIP _____

E-mail address _____

Indicate the method by which you would like to receive the Newsletter: mail _____ e-mail/web _____ both _____

Student (\$5) _____ Basic (\$10-\$24) _____ Patron (\$25-\$99) _____ Corporate Sustaining (\$100-) _____

Make checks payable to MMS and mail to our Treasurer:

Bede Willenbring, MMS Treasurer, 4763 Decatur Ave. North, New Hope, MN 55428-4402

Check here _____ if you do NOT want your name and address to appear in the Society directory.

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

Area of interest: Bioscience _____ Materials Science _____ Light _____ SEM _____ TEM _____ X-ray _____

Per MMS bylaws, article VIII: "For purposes of membership The Society's year shall run from October 1 to September 30.

Dues shall be payable between October 1 and December 31st of each year."

Minnesota Microscopy Society

Peter McSwiggen, MMS Editor

McSwiggen & Associates

2855 Anthony Lane South, Ste B1

St. Anthony, MN 55418

Forwarding and Address

Correction Requested

October 14, 2004

Microscopy Today

What's New in 2004