



MicroNews

Summer 2000 Newsletter of the Microbeam Analysis Society

<http://www.microanalysis.org/>

PRESIDENT'S MESSAGE

Dear MAS Members,

As many of you know, this is an important year for microanalysis. From the large number of papers submitted to both the International Union of Microanalysis Societies meeting in Kona, Hawaii, and the annual Microscopy and Microanalysis meeting for 2000 in Philadelphia, I believe each meeting will be highly successful. And this is highly appropriate as we continue to celebrate the 50th anniversary of the first practical realization of the electron probe microanalyzer by the late Raimond Castaing.

The IUMAS meeting promises to be a winner. Many of us remember the successful MAS meeting at the same location in 1987. The organizers are Ryuichi Shimizu (Japan) and Dave Williams (USA). And as with our previous Hawaiian adventure, Gordon Cleaver has provided us with excellent arrangements for the meeting.

Philadelphia will be the big meeting, and it will be the official 2000 annual meeting of MAS. If you haven't been to Philadelphia in the last 5 or 10 years, you are in for a real treat. Philly has everything a big city should have: world-class museums, a major zoo, a new aquarium, important historical sites, an ivy-league university, major league sports, theatre, music, night-life, etc. This is not an event to be missed. Oh, and there also will be terrific microanalysis symposia on topics such as new x-ray detectors, spectrum imaging, low-voltage x-ray microanalysis, microanalysis of rough surfaces, and microprobe age-dating of minerals.

At the MAS Presidential Happenings on Tuesday, our traditional awards ceremony will honor recipients of several MAS awards. Awards will go to the following: Ray Egerton will receive the Presidential Science Award, Ryna Marinenko will receive the Presidential Service Award, and Harald Ade will receive the Heinrich Award for an outstanding scientist under the age of 40. Awards for the best papers from last year's meeting and the MAS Distinguished Scholar Awards will also be presented. Following the awards ceremony, we will hear a talk by Prof. Michael Notis on *Tapping the Memory of Archeological Objects*. Our

original speaker, Eric Doehne, is unable to attend the meeting.

The MAS Annual Meeting is scheduled for Wednesday at 5:00 p.m. followed by the MAS Social. Both events are for paid-up members only. So stop by the MAS Booth in the registration area to get your tickets to the social and, if necessary, pay your 2000 dues. It has been an honor for me to represent you as MAS president this year. Come to the MAS Business Meeting and witness the transfer to the MAS beads to Rich Linton, the 2001 president.

See you in Philadelphia!

Best regards,
Charles Lyman

EDITOR'S NOTE

This issue is full of information on the upcoming M&M 2000 Meeting including the "Week-at-a-Glance." Hope to see you all there - and don't forget the MAS Business Meeting (5 PM, Wednesday, August 16) and the MAS Social that will take place after the Business Meeting. Be sure to visit the MAS booth for tickets to the Social and to pay delinquent MAS dues if you fall into that category.

A few regional affiliates have still not corrected the contact name and email address, so these few do not receive my requests for upcoming meeting information. Please be sure to update the information with Paul Hlava. See you in Philly!!!

Ryna Marinenko

MEMBERSHIP SERVICES

The MAS Membership 2000 Directory will be available in August. If you are attending M&M2000 in Philadelphia and have paid your MAS 2000 dues, stop by the MAS booth to pick-up your copy. Otherwise, we will mail you a copy. If you have not paid dues, that will be an opportunity to do so. Also, remember the MAS Social for members only. Stop at the booth for a ticket and buy one for a spouse as well.

Please note the new mailing address for Membership Services. It is now

PMB 141

2101 W. Broadway

Columbia, MO 65203-1261.

The telephone number and email address are still the same. Look forward to seeing you in Philly!

Lou Ross
Membership Services

MEETINGS AND SHORT COURSES

Meetings

MICROSCOPY & MICROANALYSIS 2000, Aug. 13-17, 2000, Philadelphia, PA

Contact: Mary Rebedeau, Chicago. Fax +1 708 361 6166, email: msa@tradeshownet.com, Internet: www.msa.microscopy.com

Eastern Analytical Symposium, Oct. 29- Nov. 3, 2000, Atlantic City, NJ

Contact: EAS hotline: Tel: +1 302 738 6218 email: easinfo@aol.com, or www.eas.org

8th Intl Conf on Frontiers of Electron Microscopy in Materials Science Nov. 13-17, 2000, Matsue, Japan

Contact: www.femms2000.11nl.gov

American Society for Cell Biology, 40th Ann. Mtg., Dec. 9-13, 2000, San Francisco, CA

Contact: ascbinfo@ascb.org, or www.ascb.org/ascb

Biophysical Society Meeting, Feb. 17-21, 2001, Boston, MA

Contact: society@biophysics.faseb.org

MICROSCOPY & MICROANALYSIS 2001, Aug. 5-9, 2001, Long Beach, CA

EMAS 2001 - 7th European Workshop on Modern Developments and Applications in Microbeam

Analysis, May 6-10, 2001, Tampere, Finland
Contact: Luc Vandack, Secretary, Univ Antwerp: Fax: +32 3 820 23 76 and email: vandack@uia.ua.ac.be or web site: <http://www.emas.ac.uk>

MICROSCOPY & MICROANALYSIS 2002, Aug. 4-8, 2002, Quebec City, Quebec, Canada

ICEM 2002 - 15th International Congress on Electron Microscopy, Sept. 1-6, 2002, Durban, South Africa

Contact: Robin Cross, Fax +27 46 622 4377, email: eurc@giraffe.ru.ac.za, Internet: www.ru.ac.za/affiliates/emu/icem2002.htm

MICROSCOPY & MICROANALYSIS 2003, Aug. 3-7, 2003, San Antonio, TX.

MICROSCOPY & MICROANALYSIS 2004, Aug. 1-5, 2004, Savannah, GA.

Short Courses

Optical Microscopy and Imaging in the Biomedical Sciences, Oct. 11-19, 2000,

MBL, Woods Hole, MA, USA

Contact: Carol Hamel: Tel: 1(508) 289 7401, email: admissions@mbl.edu, internet: <http://www.courses.mbl.edu>

Affiliated Societies Meetings

AIMS, Thurs., Ann. Mtg., Feb. 22, 2001, Tanguere Ranch, Tuscon, AZ

Contact: David Bentley or Alice Stone; email: dlb@u.arizona.edu, alstone@u.arizona.edu

AREMS, visit web site for information www.wise.virginia.edu/cvc/arems.arems.html

MAMAS, Oct. 19, 2000, NIST, Gaithersburg, MD

Contact: Ryna Marinenko or John Henry Scott
email: ryna.marinenko@nist.gov or john.henry.scott@nist.gov

MMMS, visit web site for information: <http://www.msa.microscopy.com/MSALAS/MMMS/MMMSHomePage.html>

NCSEMMA, Ann. Adv. Microsc. Symp., Cells Molecules and Microchips, Oct. 13-15, 2000, Coast Line Convention Center, Wilmington, NC.
 Contact: Peter Ingram or Ann LeFurgey; email: p.ingram@cellbio.duke.edu or a.lefurgey@cellbio.duke.edu
<http://152.3.167.174/NCAnnSymp2000.html>

SEMS, visit web site for information
<http://www.biotech.ufl.edu/sems/>

MAS TOUR SPEAKER PROGRAM

I know that many societies still do not have their correct contact information published on the MAS Affiliated Societies Contact Page because this info has not been submitted to us. Check yours and if it is incorrect, get the right information to me, and I will get it to the webmaster.

MAS has had a very active Tour Speaker program this year with eleven talks given to ten societies. (We have 22 societies that can ask for our speakers, so twelve did not make a request.) Remember that this year's speakers (Anderson, Dravid, and Walck) are available through the end of the fall. The societies visited, the speakers, and the dates are:

Society Date	Speaker
COMAS May 2, 2000	Anderson
CSM&MS Oct. 22, 1999	Anderson
MAMAS Nov.4, 1999	Walck
Metro Mar. 29, 2000	Dravid
MSNO May 16, 2000	Anderson
NESM May12-13, 2000	Anderson
NCSMMA Oct 29-31, 1999	Wollman
NMBUG May3, 2000	Anderson
SSTP Sept. 24, 1999 (1999 choice)	Platek
SSTP Jan. 24, 2000 (2000 choice)	Anderson
WestMAS Nov. 12, 1999	Dravid

It is my pleasure to invite representatives of each of our 23 affiliated regional societies to the luncheon meeting where you will help to choose next year's tourspeakers. The

representatives may be the program chairs, presidents, and/or whatever, of each society. This meeting will be held on Tuesday, Aug. 15, 2000 (during M&M2000 in Philly) in room 102A of the Convention Center. We start at noon with a buffet lunch hosted by MAS and go on to welcomes, news, and the choosing of tourspeakers. You are ALL encouraged to let me, any MAS council member, or your society representatives know who you would like to be on the tour schedule. We shall adjourn by 1:30 for sure.

Respectfully Submitted,

Paul F. Hlava

M&M 2000 MEETING

By now, you should have received your information for the Microscopy and Microanalysis 2000 meeting. This will be a joint meeting with the Microscopy Society of America (MSA) and the Microscopy Society of Canada (MSC/SMC) and will be held August 13-17, 2000. If you haven't, you can find the information on the web at <http://www.msa.microscopy.com>. You can also perform a search of the program.

The program looks great, and MAS is well-represented. There are only a few minor changes to the program published previously in the *Call for Papers*. The most significant change is the addition of a "Ceramics & Minerals" symposium (#7, G. Meeker, P. Hlava,), with Ceramics as the morning platform session, Minerals as an afternoon platform session, and a poster session in between. The original symposium, "Microprobe: Age-Dating of Minerals" has been melded into this one. There is a minimum of recycled, same-old, same-old talks. However, for those of you who may be in a retrospective mood, please check out Stuart McKernan's special poster session, "Microscopy Milestones of the Last Millennium" (#2).

This exciting program has a lot of new, instructional, and cutting edge information that should be of interest to our members. I would particularly like to point out a few. Balancing the *Electron Energy Loss Spectroscopy and Imaging* symposium (#9, J. Hunt and G. Botton) is Jim Bentley's tutorial on *Energy-Filtered Imaging*. This is intimately related to *The Theory and Practice of Scanning Transmission Electron Microscopy* (#8, N. Browning). Two problem areas of microanalysis are addressed in the sessions *X-ray Microanalysis of Rough Surfaces* (#25, R. Gauvin and E. Lifshin) and *Low Voltage Scanning Electron Microscopy and Microanalysis* (#24, E. Boyes, P Echlin, and D. Joy). Dale Newbury's *Problem Elements and Spec-*

trometry Problems II (#26) addresses specific analytical problem areas with five dynamic, invited speakers. Ian Anderson and Paul Kotula had very definite ideas on what should be presented in *Spectrum Imaging: Applications and Methods of Analysis* (#23) and it should prove to be one of the more forward-thinking symposia. Ron Anderson and Jose Mascorro will again be having the *Problem Solving with the Experts* sessions. These have been very popular, and I highly recommend that you bring your most frustrating problems. Often in the past, questions have been answered by members of the audience. Get an early seat for the talks in *New Detectors -Benefits and Drawbacks*, (# 20, J. Mancuso and J. McCarthy) because even with the large rooms, that one may quickly fill up to capacity. Joe Michel has organized the *Advances in the Instrumentation and Applications of Electron Backscatter Diffraction in the SEM* symposium (#6). There has been a great deal of interest recently with analytical methods for ESEM and variable pressure systems, and the *Working with ESEM and Other Variable Pressure Systems* symposium (#27, E. Doehne, M. Phillips, and M. Fütting) addresses those issues. In addition to Jim Bentley's tutorial, you will find *Microscopy and Microanalysis over the Net* (Nestor Zaluzec) and *Atom Probe Tomography* (Mike Miller) as well as a Short Course on *Basic Introduction to X-ray Energy Dispersive Spectroscopy* (PK Carpenter). One fundamental truth for TEM analysis is that if you can't prepare the sample you can't examine it. With that in mind, check out *Applications and Developments of Focused Ion Beams* (#3, L. Giannuzz).

So, see you in Philly and have a great time!

Scott Walck, MAS Program Co-chair

M&M 2000, LOCAL ARRANGEMENTS COMMITTEE

Things are really coming together here in Philly for the Summer meeting of M&M 2000. From our Saturday pre-convention Atlantic City trip to the organized golf outing, baseball game, cruises, and an opening reception second to none there is no other place you want to be this coming August but Philadelphia. For a preview of what M&M has to offer this year sit back and just imagine... The opening reception in the grand ballroom will take you on a tour of Philadelphia's neighborhoods including the South Philly Italian market, Chinatown, Historic downtown Philly, as well as a neighborhood setup that will make you feel like your in Atlantic City. For your dining entertainment the Mummies as well as street corner serenaders will top off the evening. For those of you with a competitive nature or a passion for winning, interactive sporting games along with a full casino will be set up. The opening night festivities promises to be one that will be remembered for a long time.

Tuesday of the meeting, the Arizona Diamondbacks will be in town and we have arranged for tickets for all those that are interested. Wednesday evening the Spirit of Philadelphia is sailing offering an extravagant summers night ride down the Delaware with dinner and dancing. This is just a preview of what is to come this M&M meeting.

I look forward to seeing all of you in August.

Sincerely,

Stacie Kirsch, LAC Chair

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