



## *MicroNews*

Fall 2003 Newsletter  
of the Microbeam Analysis Society

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

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**MAS Members - Be Aware of 2 Deadlines - MAS Ballots must be in the mail by Dec. 1, 2003 and membership renewals that include the M&M Journal must be returned by Dec. 15, 2003.** If you have not received the annual renewal application and ballot vote, please notify William S. Thompson, CPA,PC at email: "Kathy" <kathya@rochester.rr.com> or 877-546-2811.

### **PRESIDENTIAL MESSAGE**

Dear MAS Members,

Greetings from your new President. It is my honor and privilege to talk to you about important upcoming events and the future of our society. First of all, I would like to take this opportunity to thank Edgar Etz for his excellent work as President this past year. Edgar and Greg Meeker (President 2001-2) have both helped me to prepare for what promises to be a busy year ahead.

The Microscopy and Microanalysis 2003 meeting in San Antonio was very enjoyable socially and stimulating professionally. The convention center was more than adequate for the size of our combined societies, and the meeting rooms were able to handle the scientific sessions. The San Antonio Riverwalk was a popular place for attendees and their families to cool off after a long day and enjoy the music and local cuisine.

We are currently working on sessions for the Microscopy and Microanalysis 2004 meeting in Savannah, Georgia, to be held August 1-5, 2004. Ian Anderson is the overall technical program chair, and Ernie Hall is committed to putting a top-notch MAS program in place. This promises to be an excellent meeting with strong sessions in our core MAS topics. The quantitative analysis session will be chaired by Greg Meeker, Raynald Gauvin, and myself, and will focus on

contributions from space science and geology to cutting edge topics in Monte Carlo and EDS, among many others. We will attract the geoscience and ion microprobe communities back to our meeting with sessions like this, but we want to see MAS members contribute to this session in greater numbers than usual. Please take some time to reflect on your own expertise in microanalysis and assemble a contribution for Savannah. I am giving you this pep talk now because the February 16, 2004 deadline for abstract submission arrives quickly after the beginning of the new year.

This issue of MicroNews contains the candidates for MAS office that you will choose from for elections. This year we have assembled a particularly strong slate of candidates, deliberately chosen to continue building a strong MAS. These candidates, selected by the MAS nominations committee, and approved during the MAS business meeting in San Antonio, are presented here for your approval via your vote as an MAS member. Please exercise your right and responsibility as a member and help us to build for a strong future. The election ballots should have arrived for you to make your decision and get them in the mail by December 1, 2003.

Now I want to talk to you about our relationship with the Microscopy Society of America. At last year's winter council meeting

we began informal discussions regarding the possibility of merging with MSA. Why would we want to do this? How would we accomplish this? What are the pros and cons of such an arrangement? A committee comprised of MAS and MSA members, including the current presidents of MAS and MSA, has been charged with proposing a joint society structure that would be appealing and acceptable to the membership of both societies. There have also been extensive discussions at the council level and among MAS members about this issue.

It seems that combining MAS with MSA is a natural extension of our M&M meeting venture, and it is clear that we would benefit scientifically, financially and operationally by combining efforts in this manner. We have demonstrated our combined ability to put on strong scientific programs in the M&M format; it is the obvious meeting for scientists interested in both microscopy and microanalysis. MAS has consistently received a financial profit from the M&M meeting every year, so that from this perspective we benefit from M&M. MAS needs these funds because our current dues structure does not fully fund the operating costs of our society. Additionally, there is a fair duplication of effort in running the two societies at the council level, and in times of declining membership, the list of ready volunteers is unfortunately declining as well. The traditional MAS-only meeting format that focused on programs dedicated to microanalysis and was held in venues that highlighted intimate discussion has been reborn via our topical conference program. These special meetings, so successful over the past two years, allow us to set in place a program exclusively to the liking of our own membership. On the other hand, the annual M&M venture has MAS participate as an equal partner in a large scientific meeting featuring an equipment show and considerable financial benefits. Additionally, MAS supports the journal *Microscopy and Microanalysis*, a strong scientific journal dedicated to the topics that are central to M&M and the agenda of both societies. The magazine *Microscopy Today* is currently a MSA

vehicle for communication and advertisement that MAS, if we were to join, would benefit from as well. These common interests and operational benefits are attractive features that could be much improved if MAS and MSA were a merged society.

A desirable structure for a combined society is one that allows MAS to keep its identity by becoming a distinct microanalysis division. This will permit us to retain our honorary members and treasury funds, and to have fair representation at the highest levels in the society with respect to scientific program planning, council decisions, and member representation. Responsibility for discussion of these issues has been assigned to the committee mentioned before, and you will hear much more about this in the coming months.

I should mention that it is through the invitation of MSA council, and through many personal and public discussions over the last year, that this idea of a merger has flourished. As an MAS member you can be proud of your society, as we represent excellence in science, and count among our membership those very people who built the field of microanalysis from the beginning. In addition, we have carefully and frugally tended to our business needs over the years in a way that demonstrates stability to others. To be sure, MAS leadership and excellence would certainly continue to grow in a merged society with MSA.

You, as an MAS member, will have ample opportunity to weigh in your opinion on these matters. You may do so by using the MAS list server for public discussion, or feel free to email or call any member or MAS council member to talk. We are still in the preliminary stages of discussion with the leadership of MSA, and we welcome involvement from our membership on any of the issues involved.

I look forward to serving you in the coming year.

Sincerely,  
Paul Carpenter  
MAS President

## EDITOR'S NOTE

At the last MAS council meeting, held in San Antonio in August 2003, council decided to make MicroNews available on our web site with email notification to members of each new issue. So this is the first issue being done in this manner. Council and I hope you will find this procedure acceptable since it will save the society more than \$5,000 a year in printing and mailing costs, and it will simplify my job. This is important to me since putting MicroNews together has become more and more difficult for me as demands on my life have increased. Already I am a month late with this issue.

I will keep the format much the same as we have used in the past, enabling members to print out a copy much like the one you would have received via snail mail. Some of the items, such as council, honorary members, additional representatives, affiliated regional societies, and sustaining members, are also on the web site, but I will, for the time being, retain them as part of MicroNews so that you can get all this updated information in a single printed copy for quick-reference.

If you experience problems, please let me know.

Ryna Marinenko  
MicroNews Editor

## MEMBERSHIP SERVICES

There was a minor problem with the recent mailing of the renewal forms and ballots, so a few members might not have received the mailing. If you have not received your renewal/ballot, please contact me and I will have one sent to you. Another issue in the annual renewal notice was brought to our attention by John Fournelle via the MAS listserv. If you are a member of MSA, your dues include a subscription to the Microscopy and Microanalysis Journal; that is one reason why it is an option for MAS members. Future renewal notices will include a reminder of this option.

Another reminder is that the ballots must be postmarked by December 1 to have your vote count. You can also return your renewal form with your ballot to kill two birds with one stone.

At the general MAS meeting held in the San Antonio last August, Barry Carter of the University of Minnesota, led a lively discussion about our declining membership numbers, especially about the lack of student members which currently stands at 19. He noted that this is strikingly low given the number of students doing microanalysis around the country and suggested that our academic members actively recruit their students to become MAS members. With regard to the shrinking membership totals over the last several years and the future of MAS, I hope we all take Barry's suggestion to heart to recruit new members whether you are at a university or not.

Best wishes to all in 2004.

Lou Ross, MAS Membership Services

## MAS TOUR SPEAKER PROGRAM

The MAS Affiliated Regional Societies contact list can be found at - <http://www.microbeamanalysis.org/mas/masas/masas.html>. I expect a few societies have changed officers recently and may want a new MAS contact listed. Contact me with that information so I can get that facilitated.

Getting the 2004 MAS tour speaker information together has been a bit slow this year so the tours finished and scheduled are by last year's crew. But we do have three excellent new speakers for 2004. The speakers, their affiliations, and the titles of their talks are as follows. Phil Russell - NCSU - "Characterization of Nanomaterials and Quantum Devices via SPM and STEM", Ed Vicenzi - Smithsonian Institution - "Using Microbeam Analysis to Study Water/Rock Interaction Beneath Mars", and Dennis Ward - FBI, "Microanalysis - A New Tool in Combating Terrorism".

By the time you get this issue of MICRONEWS, MAS will have sent Tour Speakers to three societies. Two more speaker

tours are scheduled at this time. We should see a spate of requests as the new speaker information comes on line.

The societies visited, the speakers, and the dates are:

Society	Speaker	Date
<i>Finished</i>		
AREMS	Kotula	Oct. 2-3, 2003
M <sup>3</sup> S–MdWst	McKernan	Nov. 14, 2003
MSNO	Meeker	Oct. 16, 2003
<i>Scheduled</i>		
CDMMS	Meeker	Dec. 10, 2003
NESM	Kotula	May 7-8, 2004

Remember, MAS pays for the visit by our tour speakers (as long as you go through me) so you get a speaker for your program (once a year) at no cost to your society. But you have to initiate the request or nothing happens.

Have a great holiday season.

Respectfully Submitted,  
Paul F. Hlava

## MEETINGS & COURSES

### Meetings

**Materials Research Society Fall Meeting**, Hynes Convention Center, Dec. 10, 2003, Boston, MA, USA  
Contact: Mary E. Kaufold: FAX +1 724-779-8313, email: [kaufold@mrs.org](mailto:kaufold@mrs.org); or web: [www.mrs.org](http://www.mrs.org)

**2004 Australian Conference on Microscopy & Microanalysis**, Feb. 2-6, 2004, Geelong, Australia  
Contact: Ms. Lynne Lucas, email: [luco@deakin.edu.au](mailto:luco@deakin.edu.au)

**PITTCON 2004**, March 7-12, 2004, Chicago, IL  
Contact: email: [expo@pittcon.org](mailto:expo@pittcon.org) or web: [www.pittcon.org](http://www.pittcon.org)

**Materials Research Society Spring Meeting**, April 12-16 2004, San Francisco, CA, USA  
Contact: Mary E. Kaufold: FAX +1 724-779-8313, email: [kaufold@mrs.org](mailto:kaufold@mrs.org); or web: [www.mrs.org](http://www.mrs.org)

**SCANNING 2004**, April 27-29, 2004, Hotel Washington, Washington, DC  
Contact: [scanning@www.scanning.org](mailto:scanning@www.scanning.org)

**EMAS 2004**, May 9-11, 2004, 6<sup>th</sup> Regional Workshop on Electron Probe Microanalysis Today-Practical Aspects Bled, Slovenia  
Contact: Dr. Goran Drazic, Jozef Stefan Inst., Jamova 39, SI-1000 Ljubljana, SLO, email: [Goran.Drazic@jsi.si](mailto:Goran.Drazic@jsi.si), or <http://emas2004.ijs.si/> or <http://www.emas.ac.uk/>

**MICROSCOPY & MICROANALYSIS 2004**, Aug. 1-5, 2004, Savannah, GA  
Contact: Mary Beth Rebedeau, Chicago: Fax (708)361-6166, email: [MSA@tradeshownet.com](mailto:MSA@tradeshownet.com), or web: [msa.microscopy.com](http://msa.microscopy.com)

**SCANNING 2005**, May 7-9, 2005, Monterey, CA,  
Contact: [scanning@fams.org](mailto:scanning@fams.org) [www.scanning.org](http://www.scanning.org)

**IUMAS 2005, Third Meeting of the International Union of Microbeam Analysis Societies**, May 22-26, 2005, Florence, Italy  
Contact: [luc.vantdack@ua.ac.be](mailto:luc.vantdack@ua.ac.be), or <http://www.emas.ac.uk/emas2005>

**MICROSCOPY & MICROANALYSIS 2005**, Aug. 1-5, 2005, Honolulu, Hawaii  
Contact: Mary Beth Rebedeau, Chicago: Fax (708)361-6166, email: [MSA@tradeshownet.com](mailto:MSA@tradeshownet.com), or web: [msa.microscopy.com](http://msa.microscopy.com)

**MICROSCOPY & MICROANALYSIS 2006**, Aug. 6-10, 2006, Chicago, IL  
Contact: Mary Beth Rebedeau, Chicago: Fax (708)361-6166, email: [MSA@tradeshownet.com](mailto:MSA@tradeshownet.com), or web: [msa.microscopy.com](http://msa.microscopy.com)

**ICEM XVI**, Sept. 3-8, 2006, XVI Internat. Cong. on Elect. Microsc., Sapporo, Japan  
Contact: email: [xvi\\_icem@nims.go.jp](mailto:xvi_icem@nims.go.jp) or web: <http://edpex104.bcasj.or.jp/jsm/eng/icem/icemxvi/html>

**MICROSCOPY & MICROANALYSIS 2007**, Aug. 5-9, 2007, Ft. Lauderdale, FL  
Contact: Mary Beth Rebedeau, Chicago: Fax (708)361-6166, email: [MSA@tradeshownet.com](mailto:MSA@tradeshownet.com), or web: [msa.microscopy.com](http://msa.microscopy.com)

**MICROSCOPY & MICROANALYSIS 2008**, Aug. 3-7, 2008, Albuquerque, NM  
Contact: Mary Beth Rebedeau, Chicago: Fax (708)361-6166, email: [MSA@tradeshownet.com](mailto:MSA@tradeshownet.com), or web: [msa.microscopy.com](http://msa.microscopy.com)

## Courses

**Lehigh Microscopy School**, June 7-17, 2004, Lehigh University, Bethlehem, PA

Contact: Sharon Coe: [sharon.coe@lehigh.edu](mailto:sharon.coe@lehigh.edu)  
[www.lehigh.edu/microscopy](http://www.lehigh.edu/microscopy)

### Main Course

**SEM and X-ray Microanalysis**, June 7-11, 2004

**New Operator Intro.**, June 6, 2004

### Advanced Courses

**Quantitative X-ray Microanalysis**, June 16-20, 2004

**Problem Solving with SEM**, June 14-18, 2004

**Anal. Electron Microsc.**, June 14-17, 2004

**Characterization of Nanostructures**, June 14-17, 2004

**Particle Characterization**, June 14-17, 2004

**Focused Ion Beam Applications**, June 14-17, 2004

**AFM and other SPMs**, June 14-17, 2004

## Affiliated Societies' Meetings

**AIMS**, Mar, 4, 2004, Arizona State University, Old Main  
Contact: [Renu.Sharma@asu.edu](mailto:Renu.Sharma@asu.edu)

### AREMS

<http://www.uvawise.edu/arems/index.html>

**CDMMS**, Dec, 10, 2003, 6-9pm, Business meeting (elect officers, approve bylaws), dinner, speaker and tour, New York State Museum in Albany, NY

Contact: Michael Mark, [marko@wadsworth.org](mailto:marko@wadsworth.org)  
<http://home.nycap.rr.com/cdmms/>

**CSMMS**, May 7, 2004, Adams Conference Center, University of Missouri, Columbia, MO

Contact: Randy Tindall, (573)882-8304 or [tindallr@missouri.edu](mailto:tindallr@missouri.edu), or Lou Ross (573)882-4777 or [rosslm@missouri.edu](mailto:rosslm@missouri.edu)

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

**MMS**, Feb, 2004, Imation, Columbia Disaster Recovery and Tour of Imation

**Mar 18, 2004**, Joint Loc. Soc.Mtg. with ASM, AVS, ACS, MMS, SEMI , 4:30 pm, Medtronic WHQ, Minneapolis

**May 7, 2004**, Ann. MMS Spring Symp. (Theme: Digital Imaging), 7:30am to 6:00pm, Sci. Mus. of Minnesota

Contact: Mike Coscio, [mike.coscio@medtronic.com](mailto:mike.coscio@medtronic.com)  
<http://www.MNmicroscopy.org>

**MSNO**, web site, <http://www.msneo.org>

Contact: Ed Boyd, (216)447-6198,  
[ed.boyd@noveoninc.com](mailto:ed.boyd@noveoninc.com).

## NCSEMMA

Contact: Peter Ingram or Ann LeFurgey; email: [p.ingram@cellbio.duke.edu](mailto:p.ingram@cellbio.duke.edu) or [a.lefurgey@cellbio.duke.edu](mailto:a.lefurgey@cellbio.duke.edu)

**NESM**, Dec. 9, 2003, Gordon College, Wenham, MA, Ann. Meeting and Fall Symp., highlighting student presentations, as well as our usual eclectic mix of speakers.

**March 14, 2004**, Early Spring evening meeting, Worcester Polytechnic Institute, Worcester, MA, on the topic of Nanotechnology.

**May 6-8, 2004**, Spring Symp., Woods Hole, MA (in conjunction with the Connecticut Microscopy Society). Speakers are David Bright (NIST), one-day tutorial seminar on Image Processing Techniques, Paul Kotula (Sandia), Bill Landis (Northeastern Ohio Universities College of Medicine), Paul Matsudaira (MIT/Whitehead Institute) and Rob Apkarian (Emory University).

Contact: Rick Rogers, Harvard School of Public Health, Boston, MA, [rogers@bioimage.harvard.edu](mailto:rogers@bioimage.harvard.edu) Tony Garratt-Reed, MIT, Cambridge, MA, [tonygr@mit.edu](mailto:tonygr@mit.edu)

## SEMS

Contact: John Shields, email: [jshields@cb.uga.edu](mailto:jshields@cb.uga.edu) or web: <http://www.biotech.ufl.edu/sems>

## MICROSCOPY & MICROANALYSIS 2004

The technical program for Microscopy and Microanalysis 2004, Savannah, GA, is now nearly fully developed and promises to have an abundance of cutting-edge and exciting science and technology. The Executive Program Group for M&M 2004, consisting of Ian Anderson (MSA Program Chair), Bob Price (MSA Program Vice-Chair), Ernie Hall (MAS Program Co-Chair), Elliot Clark (IMS Program Co-Chair), Paul Kotula (MSA 2006 Program Chair (*ex officio*)), and John Henry Scott (MAS 2005 Program Co-Chair (*ex officio*)) have worked to provide a diverse and balanced program that looks forward to new opportunities and presents the current state-of-the-art for microscopy and microanalysis. For the third consecutive year, the program is strengthened by the co-sponsorship of the International Metallographic Society (IMS), which is fast becoming an annual partner in the M&M meetings. M&M is the largest annual meeting of its kind in the world, and features an awesome commercial exhibit of microscopy and microanalysis equipment and accessories, with the latest commercial innovations featured and available for hands-on demonstration. We envision Savannah as a venue that will be remembered for historic steps forward in science and technology.

The Call for Papers with the complete Program will be available soon. We encourage you to regularly visit the meeting website <http://www.msa.microscopy.org/MSAMeetings/MM04/MMHomePage.html> for updates on Microscopy and Microanalysis 2004.

We look forward to seeing you in Savannah!

Submitted By Ernie Hall, MAS Program Co-Chair, 2004

# 2003 ELECTION OF OFFICERS - COUNCIL NOMINATIONS

## President

### Inga Holl Musselman

Inga Holl Musselman is an Associate Professor of Chemistry at the University of Texas at Dallas. Her research group investigates contrast mechanisms in scanning tunneling microscopy (STM) images of molecular adsorbates, characterizes peptide-coated carbon nanotubes and related device structures using STM and atomic force microscopy, and designs polymer-based composite membranes for O<sub>2</sub>/N<sub>2</sub> and CO<sub>2</sub>/CH<sub>4</sub> gas separations. Dr. Musselman received her B.A. in Chemistry from Gettysburg College in 1982 and her Ph.D. in Analytical Chemistry in 1988 from the University of North Carolina at Chapel Hill under the direction of Richard W. Linton. Doctoral research in laser microprobe mass spectrometry was carried out at the National Institute of Standards and Technology under the co-direction of David S. Simons. Before joining UT-Dallas, she completed a post-doc in scanning probe microscopy with Phillip E. Russell at North Carolina State University.



Dr. Musselman has been a member of MAS since 1984. She was a MAS Distinguished Scholar (1985, 1987) and received the Castaing Award for Best Student Paper in 1985 for "The Use of Laser Microprobe Mass Analysis for Nickel Speciation in Individual Particles of Micrometer Size". In 1990, the Electron Microscopy Society of America chose her poster "Correlative STM, FESEM, and TEM Studies of Fibrillar Structures in Liquid Crystalline Polymers" for the traveling exhibit. Her student, Angelo Lubag, received the 2002 Castaing Award for "Synthesis and STM Imaging of Substituted Phenylalkyl Ethers: Towards Functional Group Discrimination". Dr. Musselman has served the Microbeam Analysis Society as MicroNews Editor (1992-1995), Symposia Co-Chair (1994, 1996, 1999, 2002), Secretary (1995-1997, 2001-present), National Tour Speaker (1996-1997), Director (1998-2000), and Technical Program Co-Chair for Microscopy and Microanalysis 2001 in Long Beach, CA. She received the MAS Service Award in 2003.

## Secretary

### Valerie Woodward

Valerie Woodward is an R&D chemist in the Microscopy and X-ray Analysis Section of Noveon, Inc (formerly BFGoodrich). She graduated from West Virginia University with a B.A. in biology and from the University of Akron with a B.S. in chemistry, and has done graduate study in polymer science at Akron. She has been an electron microscopist and x-ray spectrometrist since 1976, analyzing electrical ceramics, rubber, polymers, aerospace materials, coatings and polymer additives. She is supervisor of the microscopy, XRD and XRF labs at the Noveon R&D Center in Brecksville, Ohio, where she has been employed since 1984.

Valerie has been a member of MAS since 1989. She is currently the MAS Regional Topical Conference liaison and was an MAS Director (2000-2002). She is the president (2003-2004) of the Microscopy Society of Northeastern Ohio (MSNO), an active MAS ARS. She is also vice-chair (2002-2005) of the MSA Technologists' Forum. Valerie is an active member of the American Chemical Society Akron Section, Iota Sigma Pi, (women chemists honorary), and the Ohio Academy of Science EXEMPLARS mentoring program.

Valerie is a strong advocate of regional society activity and participation. She would enjoy the one-on-one interaction with the ARSs, and with her active participation in the local groups of the ACS, Iota Sigma Pi, MAS and MSA, might lend insights into increasing the local level participation in MAS. She feels that student participation is key to the longevity of the Society, and we must continue to support student participation via recognition of their work and sparking their interest in MAS. ARS student poster sessions and regional topical conferences may also be a way to do that, as they are normally less expensive to attend, and on a smaller scale than the national meetings, so could be less daunting to the less-experienced student.



## Directors

### Scott Davilla

Scott Davilla is Founder and President of 4pi Analysis, Inc. located in Durham, North Carolina. Scott is instrumental in defining and directing R&D projects and planning the company's future. Scott's work (designing tools for x-ray microanalysis and digital image acquisition) requires strong knowledge base and constant research to keep up with the pace of advancing technology.

Prior to creating 4pi Analysis in 1990, Scott worked at the Duke University Free Electron Laser Laboratory providing instrumentation and control support for a 1 GeV linear electron-accelerator storage ring and free-electron laser. This was a strategic move from his previous work at the Duke University Medical Center Department of Anatomy during 1984-89. While with the Department of Anatomy, Scott conducted independent and joint investigations that studied temperature dependence of radiation damage to organic materials. Using mini-computers and later desktop computers, Scott worked on the development and implementation of x-ray spectra analysis by multiple least squares fit to reference spectra. This work inspired Scott's interest in x-ray microanalysis and led to the creation of 4pi Analysis.

Scott has been a sustaining member of both the Microbeam Analysis Society and MSA since 1992. A number of difficult issues are facing the Microbeam Analysis Society, especially the issue of merging with MSA. There are many known and unknown details regarding a merger that need to be discovered and refined. Given his knowledge of the history of both Societies, he wants to have a pro-active



role in the future of the Microbeam Analysis Society. Scott believes he would bring a fresh view to the Council along with the responsibility and dedication required of a Director. With his dedication to and knowledge of the uniqueness of microbeam analysis, Scott feels he can provide the vision required of the Society to define its identity and continue its success.

### **Dan Kremser**

Dan Kremser is a product and applications specialist at Advanced MicroBeam, Inc., in Vienna, Ohio. He received his B.A. in Geology at the University of Connecticut in 1976 and his Ph.D. in Earth and Planetary Sciences at Washington University, St Louis, MO in 1982. He remained at Washington University for nineteen years, serving as manager of both the electron microprobe and x-ray diffraction laboratories, and was an associate in the department's ICP-MS Element facility. He joined Advanced MicroBeam in 2001. He has focused on solving analytical problems associated with the electron microprobe and X-Ray diffractometer on a wide variety of materials and minerals as well as laser ablation ICP-MS mineral studies. Dan also participates (since 2000) in the annual Lehigh Microscopy School operating the JEOL 733 for lab exercises.

Dan has been a MAS member since the mid-1980s and has been active in several local affiliate societies. Initially, he was involved with the MIKMAS (Missouri-Illinois-Kansas MAS) group, serving as secretary from 1995 to 1999. He was the first president (1999-2001) of the merged MIKMAS and Central States MSA group designated the Central States Microscopy and MicroAnalysis Society (CSMMS). He is currently a trustee (2003-2006) in the Microscopy Society of Northeastern Ohio (MSNO).

Dan is concerned with the future and preservation of MAS. He feels the advantages and consequences of the forthcoming decisions on the proposed merger need to be carefully examined and openly discussed by all members. Acknowledging diversification and improvements are necessary, and Dan believes with membership resolve, MAS can progress without compromising its autonomy, and preserve the identity and tradition in which the society was formed.



### **John Henry J. Scott**

John Henry currently works as a Physicist in the Microanalysis Research Group at NIST in Gaithersburg, MD. His research involves chemical characterization techniques in electron beam instruments, primarily analytical transmission electron microscopy (AEM) and multivariate statistical methods. After receiving a BS in Physics from the Caltech, John Henry obtained a PhD in Physics from Carnegie Mellon University in 1996. In 1997 he joined NIST as an NRC postdoc under Dale Newbury before becoming permanent staff in 1999. He is currently pursuing an MS in Biotechnology at The Johns Hopkins University.

Since his introduction to microanalysis, John Henry has been active in the community and within MAS. He has organized or co-organized one or more symposia at each M&M meeting in the last four years, co-organized an MAS Special Topical Conference on Multivariate analysis, and was asked to serve as the MAS Program Co-Chair for the 2005 M&M meeting in Hawaii. He is also currently a member of the MAS Computer Activities Committee and an active member of the Mid-Atlantic Microbeam Analysis Society (MAMAS). Since June of 2000, John Henry has been an instructor at the Lehigh Microscopy Schools where he teaches courses in AEM, Characterization of Nanostructures, Particle Analysis, and SEM and X-ray Microanalysis.

John Henry feels that MAS should return to its roots and concentrate on providing services of value to its membership, including meetings such as the MAS Special Topical Conferences that focus on the quantitative aspects of microanalysis. By consciously avoiding the infrastructure and bureaucracy of larger organizations, John Henry believes MAS can become a nimble and responsive organization driven by volunteers, and an incredibly effective venue for the exchange of information and ideas about microanalysis. He is open to the possibility that this might best be achieved through an MAS/MSA reorganization.



### **Ed Vicenzi**

Ed Vicenzi is a research geochemist and the Director of the Analytical Laboratories in the Smithsonian Institution's Department of Mineral Sciences. Ed is actively involved with applying electron and ion microbeam methods to earth and planetary research. He has recently set-up a Time of Flight-Secondary Ion Mass Spectrometry lab where an effort is underway to register SIMS datasets with full-spectrum X-ray microanalysis and CL information.

Before joining the National Museum of Natural History in 1999, he spent 6.5 years building and co-managing an EPMA component of the Imaging and (Microbeam) Analysis Center at the Princeton Materials Institute. While at Princeton University his work focused on characterization of high technology materials, including: the kinetics of light element uptake during metal combustion, microelectronic assemblies, the stoichiometry of novel chemical compounds. Ed spent 2 years as a postdoc in lovely Sydney Australia where he used a megavolt proton microbeam and EDS in high pressure silicate liquid immiscibility experiments. He received his PhD from Rensselaer Polytechnic Institute, a Masters degree from the University of Oregon, and a BSc from McGill University, all in Earth Sciences.

Ed has actively participated in MAS topical workshops as a speaker/author (The Accuracy Barrier in Quantitative EPMA), and as a co-organizer/speaker (Spectrum-Imaging and Hyperspectral Data Analysis). Since the mid-1990s he has given talks at several affiliated regional societies including: the Metropolitan Microscopy Society, the Philadelphia Society for Microscopy, and the New England Society for Microscopy. He will also serve as a MAS '03-'04 tour speaker.

Ed recognizes the effort that will be required by MAS councilors during the coming crucial year(s) as the issue of an MAS-MSA merger is discussed and possibly negotiated. The need to attract more microanalysts into our fold is equally critical to maintaining the vitality that has been the hallmark of the MAS.

