

NEW AND/OR INTERESTING IN MICROSCOPY

✕ Princeton Gamma-Tech (PGT) of Princeton, NJ has signed a letter of intent to merge with American Nuclear Systems, Inc. (ANS) of Oak Ridge, TN. The agreement, once completed, calls for the two companies to combine their operations under the PGT name. The merger details are in the process of being finalized by the two parties and is anticipated to be completed by the end of September

"The proposed merger will allow us to offer our customers a broad line of microanalysis solutions from Windows based upgrade systems for basic X-ray analysis to research grade X-ray and Image Analysis solutions. Any EDS system can be upgraded to a system supported by PGT's sales, service, and technical support network" said Doug Skinner, President of PGT.

✕ ASM International and the International Metallographic Society (IMS) are sponsoring a symposium on Microstructural Characterization by Metallographic Techniques at the annual Materials Solutions Conference in Rosemont, IL on October 12-15, 1998. Of special interest in that symposium is a session on the use of SEM and X-ray Microanalysis for Materials Characterization. The session features a keynote address by Joseph Goldstein, and invited papers will be presented on: Low Voltage SEM; "Upper" SE detectors; Recent Advances in EDS, EBSP; and grazing incidence XRD. All of the speakers are experts in their fields, so if you will be attending this year's ASM, International meeting, consider this session on Tuesday morning. The program for the symposium can be found at the web site: www.astm-intl.org/event98/session/micro.htm

Call for Submissions for Confocal Microscopy CD-ROM Series

Purdue University Cytometry Laboratories is pleased to announce the Confocal Microscopy, Image Analysis and 3D Reconstruction CD-ROM Series. This will be the first volume of a new series, complementing our existing Cytometry series. Volume 1 will contain "the best of the best" images, will be released at the American Society for Cell Biology meeting in December of this year. We anticipate a distribution of 5,000 disks at meetings worldwide.

We invite you, your colleagues, and your students, to submit their outstanding images for inclusion. The disk will contain time-lapse images, movies, 3D reconstructions, single-color fluorescence, multi-color fluorescence,

transmitted light, differential interference contrast images, and reflection images. Inclusion will be based on quality of material and space available.

Material previously published must be accompanied by a copyright release from the publisher to be included. Material published on the CD must be freely usable for non-commercial purposes. It is our intent that the material on this CD be freely distributed and reproduced.

The deadline for submission is October 19, 1998. Images should be in TIF or GIF format and be accompanied by descriptive text in ASCII format. Submission guidelines and form and more details are available on our web-site at <http://www.cyto.purdue.edu>

MSA Technologists' Forum

The Technologists' Forum is a committee within MSA that has as its mission the advancement of the technical aspects of the microscopies from the local to the national level. The Technologists' Forum provides opportunities for discussion of interests, problems and professional needs of microscopy technologists. The Technologists' Forum sponsors several sessions and an exhibit booth at Microscopy & Microanalysis (the Annual Meeting of MSA) and communicates with its members through the *MSA Bulletin* and newsletters. It also sponsors the Microscopy Facility Directory and participates in the MSA Traveling Exhibit. Any MSA member is welcome to belong to the Technologists' Forum and contribute to its activities. For more information, please contact Technologists' Forum Chair Bev Maleef (610)270-7987, by email at Beverly_E_Maleef@sbphrd.com, or visit our web pages through the MSA web site: www.msa.microscopy.com

✕ Announcing the INTERNATIONAL 10-Day Short Course on 3D Microscopy of Living Cells (June 16/27 1999) and post-course workshop on 3D Image Processing (June 29 - July 1 1999) in association with the BioScience Microscopy Facility and the Department of Computer Science, University of British Columbia, Vancouver BC, Canada. Applicants will complete a questionnaire to assess knowledge level, field of interest and proposed personal, live-cell project. Enrollment will be limited to about 24 participants. Selection will be made on the basis of background and perceived need. Application forms requesting information on field of interest and level of experience may be downloaded from the web site at: <http://www.cs.ubc.ca/spider/ladic/course/forms/register.txt>

F.Y.I.

	Indicate ALL that you receive and read on a regular basis	Check the ONE publication that you find of most interest and value in your profession
<p>At the recent MSA Conference, an independent organization conducted a survey of attendees and, as follows, is the results of one portion of this survey.</p> <p>Note 1: As this was a MSA Conference, it is logical to expect a high number of attendees who received the MSA publication.</p> <p>Note 2: As only several hundred of votes were registered in the first category, it is understood that the results may not be exactly precise relative to the total industry.</p>	<p>PUBLICATION</p> <p>Microscopy and Analysis (A U.K. publication)</p> <p>Microscopy and Microanalysis (A MSA publication)</p> <p>Microscopy Today</p> <p>Scanning</p> <p>The Microscope Book</p>	<p>16%</p> <p>34%</p> <p>32%</p> <p>11%</p> <p>8%</p> <p>12%</p> <p>35%</p> <p>47%</p> <p>6%</p> <p>0%</p>

Good By

In the fall of 1995, I mentioned to the business manager in our department that I was beginning to think about what I might do when I left Electron Microscopy. She brought it up to the chairman of my department. They began to think about what they would do if I left. It is then that they began to consider closing our EM facility. I was asked to come up with alternatives for the people who used our facility to have their work done elsewhere. In fact, it would only effect a few investigators to any great degree. The other occasional users would either go elsewhere or find a different way to address their question, or simply ask a different question all together.

By the spring of 1996 the faculty had decided to sell the EM and close the facility. They had made it clear to me that I was welcome to stay on in the department as long as I wanted. (A commitment that they truly kept).

I advertised the microscope in a number of publications and as it turned out, sold it through an ad in *Microscopy Today*. It was shown in June and moved in July of 1996. The last heard is that it is alive and well, and living in Savannah, GA.

I wrote the following essay sometime in the late spring of 1996, about the time that the scope was sold. Originally I wrote it only for me, but soon realized that I had to send it as letters to the three people who had taught me what I knew about electron microscopy.

This summer I began work full time in the lab in the department. The work is quite interesting, but has nothing to do with EM.

Larry Hawkey

To Whom It May Concern:

It will concern few, almost none, I suppose. Things change, seasons change. What were once considered major advances in the history of the human species, are regarded as important only to the past.

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I sit in a room which is cool, and dimly lit. There is a constant hum, so natural, that like breathing, it goes unnoticed. Today I hear this sound and try to embed it firmly in my memory. It is the sound of a voice I will not hear again. I focus on the sound, and struggle to imagine the sound of silence. All I can hear is the rhythm of the pump and the buzz of electronic.

Most people see it as a huge piece of scientific equipment, just a Transmission Electron Microscope. It is not; it is a place. No No No. It is a magic carpet. It has taken me into the essence of life itself. I have crossed a cell membrane with more ease than sodium ions. I have followed an axon for microns, and watched as its microtubules dance in and out of view. I have observed actin and myosin locked in each other's embrace. I have beheld mitochondria in the thousands and found no two exactly the same. I have watched microvilli wave in rhythm like fields of wheat. I have looked at life (or rather the shadow of life) magnified 50,000 even 100,000 times.

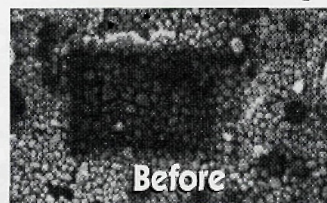
People have told me that this technology is obsolete, or they say that it is no longer cost effective for a small research department to support this type facility. Maybe it is their fault. Maybe it is the manufacturers fault, because they made service contracts too high. Maybe it is the government's fault, because it made money so tight. Maybe it is us for we have failed to see the direction science was turning and missed our chance to create the necessary techniques that would make this technology part of the wave of the future. Maybe it is my fault, because I did not show everyone all the things I have seen and places I have been.

Astronauts have said that once you walk on the moon you no longer look at it the same way. NASA no longer goes to the moon and although it is still explores space, it seems to only be passing time. Like NASA, science will continue its exploration. Yes, just like NASA. I've not walked on the moon, but I have strolled where few people have tread. For those who have made my journeys possible I send my gratitude. It was definitely an "E" ride.

Thanks to those whom it did concern. To Mike, To Susan and To Ann.

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COMING EVENTS

McCrone Research Institute (Selected) Microscopy Courses, Chicago, IL

Nov 9/13 '98: Particle Isolation, Manipulation and Mounting for Additional Analysis

Nov 30/Dec 4 '98: Scanning Electron Microscopy

March 1/5 '99: Conoscopic Methods

April 12/16 '99: An Introduction to TEM – Techniques and Applications

April 12/16 '99: Advanced FTIR Microscopy

June 21/25 '99: Electronic Image Acquisition, Processing & Analysis

Nancy Daerr: (312)842-7100, Fax: (312)842-1078, ndaerr@mcri.org

✓ Oct 5/9 '98: **6th International Conference and Workshop on Molecular Morphology**. Salzburg, Austria. Prof. Gerhard W. Hacker: 43 662 4482 4730, Fax: 43 662 4482 882, eMail: g.hacker@lkasbg.gv.at www: http://kongress.at/IMMC/

✓ Oct 7/15 '98: **Optical Microscopy and Imaging in the Biomedical Sciences** (Marine Biology Laboratory), Woods Hole, MA. Carol Hamel: (508) 289-7401, admissions@mbl.edu

✓ Oct 12/15 '98: **Materials Solutions Conference & Exposition '98** (ASM Internat'l) Rosemont, IL www.astm-intl.org/event98/session/micro.htm

✓ Oct '98: **International Courses of Light Microscopy, Photomicroscopy and Laser Scanning Confocal Microscopy**. Gargaano, Italy http://imiucca.csi.unimi.it/endomi/micro.html

✓ Oct 30/Nov 1 '98: **17th Annual Symposium on Advances in Microscopy** (NCMSA) Wrightsville Beach, NC Betty P. Gooch (919)286-0411, ext 7266, email: b.gooch@cellbio.duke.edu

✓ Nov 2/3 '98: **Image Analysis Workshop** (Univ. of Maryland) College Park, MD. Dr. John Russ: (301)495-5964, email: http://www.mediacy.com

✓ Nov 2/6 '98: **45th International Symposium Covering Thin Films, Microelectronics, Nanostructures, Processing, Surfaces, and Vacuum** (AVS), Baltimore, MD. AVS: (212)248-0200, avsnyc@vacuum.org

✓ Nov 11 '98: **28th Scottish Microscopy Group Symposium**. University of Dundee: http://www.abdn.ac.uk/~nhi691/smg98.htm

✓ Nov 15/20 '98: **1998 Eastern Analytical Symposium**. Somerset, NJ, (302)738-6218, easinfo@aol.com

✓ Nov 16/20 '98: **Scanning Electron Microscopy & X-ray Microanalysis** (SUNY), New Paltz, NY. Dr. A.V. Patsis, (914)255-0757, Fax: (914)255-0978, email: inquiries@ims-np.org

✓ March 7/12 '99: **PITTCON '99**. Orlando, FL (412)825-3220, Fax: (412) 825-3224, email: expo@pittcon.org

✓ April 11/14 '99: **SCANNING '99**: (FAMS, Inc.) Chicago, IL, Mary K. Sullivan: (201)818-1010, Fax: (201)818-0086, fams@holonet.net

✓ April 11/15 '99: **12th International Conference on 3D Image Processing in Microscopy & 11th International Conference on Confocal Microscopy** (European Molecular Biology Laboratory), Heidelberg, Germany http://www.embl-heidelberg.de/Conferenves/FocusOnMicroscopy

✓ **LEHIGH MICROSCOPY SCHOOL**, Bethlehem, PA

June 14/18 '99: SEM and X-ray Microanalysis

June 13 '99: Introduction to SEM and EDS

June 21/25 '99: Advanced Scanning Electron Microscopy

June 21/25 '99: Quantitative X-ray Microanalysis

June 21/24 '99: Analytical Electron Microscopy

June 22/25 '99: Atomic Force Microscopy

June 21/24 '99: Microdiffraction

Info: Ms Sharon Coe: (610)758-5133, email: slc6@lehigh.edu

✓ June 16/27 '99: **3D Microscopy of Living Cells & June 29/July 1 '99: 3D Image Processing Workshop** (Univ of British Columbia) Vancouver, BC, Canada. Prof. James Pawley: (608)263-3147, jbpawley@facstaff.wisc.edu

✓ June 21/25 '99: **15th Annual Short Course on Molecular Microspectroscopy** (Miami University) Oxford, OH (513)529-2874, fax: (513)529-7284, email: http://www.muohio.edu/~sommeraj

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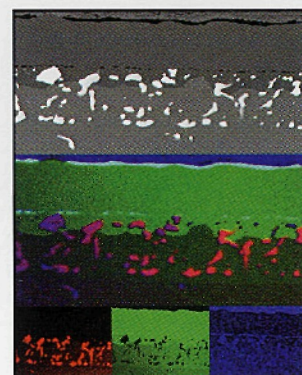
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