



# Newsletter

Of the

## New York Microscopical Society

130 North Mountain Avenue, Montclair, New Jersey 07042-1841



April 2007

N.Y.M.S. (973) 744-0043

Volume 1 Number 4

## MICROSCOPE DAY AT JOHN JAY

### Fifth Annual Microscope Day at John Jay

A cooperative event with the New York Microscopical Society and John Jay College

**April 30, 2007 10AM until 4PM**

BMW building, 555 57<sup>th</sup> Street (between 10<sup>th</sup> & 11<sup>th</sup> Aves) Room 616 (6<sup>th</sup> floor) Attendees will be required to show picture ID to building security.

Exhibits by Dr. John Reffner of Smiths Detection on infrared microspectroscopy and Marty Eber of Olympus America on multi photon confocal microscopy

The following is a tentative schedule of presentations:

- 10:00-10:15 **Peter Diaczuk** and **Dr. Larry Kobilinsky**, John Jay College, *Opening Remarks*
- 10:15-10:45 **Alison Keenan**, John Jay College, *The Neural Differentiation Potential of Two Human Adult Stem Cell Populations*
- 11:00-11:30 **Craig Huemmer**, John Jay College, *Rapid Shear in Synthetic Fibers from Bullet Impact*
- 11:45-12:15 **Dr. Kimberly Wicklund**, Olympus America, *Optical Sectioning Techniques*

- 12:30-1:00 **Joe Orosz**, NYMS, *Preparation of Petrographic Thin Sections for Polarized Light Microscopy or How to See Through a Rock*
- 1:15-2:00 **Dr. Betty Faber**, consultant for the Liberty Science Center, *Arthropods that Share our Lives: The Inside Story*
- 2:15-2:30 **Edward Kovacs**, John Jay College, *Modern Microcrystal Tests for Drugs*
- 2:45-3:15 **Dr. John Reffner**, Smiths Detection, *Infrared microprobe Analysis of Forensic Interest*
- 3:30-4:00 **Brooke Weinger**, John Jay College, *Infrared Microspectroscopy of Mineral Samples*
- 4:00-4:15 **Peter Diaczuk**, John Jay College, *Closing remarks*

**Refreshments will be served. Admission is free and open to all. This is an "open door" event (attendees may enter and leave the room quietly as necessary).**

**For more information, contact Peter Diaczuk at [pdiaczuk@jjay.cuny.edu](mailto:pdiaczuk@jjay.cuny.edu)**

### NYMS "Microscope Day" April 2004



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**The Mission of the New York Microscopical Society** is the promotion of theoretical and applied microscopy and the promotion of education and interest in all phases of microscopy.

### **Dues and Addresses**

Please remember to mail in your  
**Dues to Mary McCann, Membership  
Chair (see this page for address).**

**Annual \$30**  
**Supporting \$60**  
**Life \$300 (payable within the year)**  
**Corporate \$175 (includes one  
advertisement in NYMS News)**

**To avoid missing notices:**  
**Notify Mary if you have changed your  
address, phone or email.**

### **Alternate Meeting Notifications**

Please note that due to time constraints in publishing, some meeting notices may be available by calling Mel Pollinger at 201-791-9826, or by visiting the NYMS website.

**Buy and Read a Good Book on Microscopy.**

## Antique Microscopes From a Private Collection



Live-chamber microscope, with beetle.



French naturalist's pocket microscope, early 20<sup>th</sup> century.



Reproduction of Darwin's microscope used on the HMS Beagle. Acquired from Georgial Lighting Studios, Inc., N.Y.C., 1978.



Culpeper type microscope (ca 1800), with circular stage, "fish plate" mirror, ivory and wood sample slides in drawer.



Bi-ocular microscope (ca 1860-1880) sold by Baker of London, who was an agent for Grundlach in Berlin. The scope came with an additional single tube (not shown) for monocular viewing.



Carey-type field microscope (ca 1820)

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**Additional information on the above would be greatly appreciated by the owner.**

## A Walk In The Woods

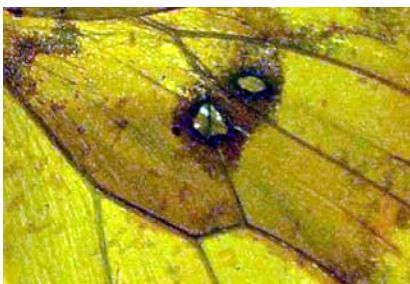
On one warm, sunny day, during the summer of 1994, at the upper end of an ascending rocky trail, I found myself walking the perimeter of Ramapo Lake. The lake is part of the Ramapo Forest Preserve in the Oakland area of Bergen County, New Jersey. Since that day, the lake and its surrounding ponds have afforded many hours of visual adventures through the microscope.

Mel

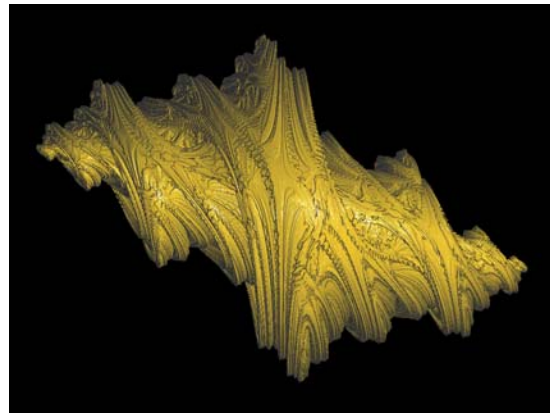


A rotifer at 200x, found that day.

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Congratulations to Dr. Ben Glassman for the correct answer to the March 2007 mystery photo, a butterfly wing section.



April 2007 Mystery photo

Call, write or email Mel if you think you know what it is.

**A message from the Editor:** Apologies for the cuts across some images, this is due to folding the laser-print. You can receive unfolded newsletters instead of by regular mail by sending me your email address and asking for pdf copies to be emailed directly. Also: You may have noticed changes occurring in formatting of the newsletter; this is due to trying to find the most pleasing and efficient format, while keeping the reader from falling asleep. Suggestions are always welcome.  
**Mel Pollinger**

Got something you want published in the Newsletter?

- Technical article
- Images
- For sale
- Wanted to buy
- Any microscopy-related item

Write, call or send an email message to:  
201-791-9826 or

**pollingmel@verizon.net**

or

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**Regarding how you can receive future newsletters, you may choose one of the following methods:**

1. **Regular mail, but folded: Do nothing. Full color may continue.**
2. **Email with full color images and not folded, pdf file: Needs your active email address.**