



# Newsletter

Of the

## New York Microscopical Society

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

February 2007

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

Volume 1 Number 2

## *Have You Sent in Your Dues for 2006-2007?*

NYMS Abbe Award: 2006 Recipient Dr. John C. Russ



President Peter Diaczuk presents Dr. John C. Russ with the Abbe Award

## Meeting Announcement

### 2007 Spring Lecture Series

#### Microscopy Applied to Studies of the Cosmos

**Jacob L. Mey, Laboratory Manager, Microscopy and Imaging Facility, American Museum of Natural History.**

**Tuesday, Feb. 27th, 7:30 pm, American Museum of Natural History, People Center, New York, NY**

Mr. Mey is a geologist primarily interested in the geochemistry of both stable and radiogenic isotopes. He is currently studying oxygen, carbon, uranium, thorium and protactinium isotopes in fossil coral skeletons to learn about the timing and nature of

past ocean environments. He is also involved in the development of applications for scanning electron microscopy (SEM), cathodoluminescence spectrography (CLS), and confocal laser scanning microscopy (CLSM). Mr. Mey currently collaborates with the [Lyot Project](http://lyot.org) (<http://lyot.org>) using the laser confocal scanning microscope to image micro-features on several crucial components used in the coronagraph to aid in the understanding of their effects on exoplanet and star images.

**NYMS Members and their guests are welcome to join the speaker for dinner (\$25.00 all inclusive) at 5:45 pm at Calle Ocho restaurant 446 Columbus Ave. Please reserve your place(s) with Angela Klaus by noon Feb. 23rd. (<http://www.calleochonyc.com/>). Angela can be contacted by email ([avklaus2@yahoo.com](mailto:avklaus2@yahoo.com)) or by phone (201-988-6251).**

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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.

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

**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.**

For example:  
**Identifying Wood** by R. Bruce Hoadley – new at NYMS, excellent photomicrographs of wood sections.

# New York Microscopical Society

30 North Mountain Avenue  
Montclair, NJ 07042

## Bernard Friedman Memorial Workshop

### Polarized Light Microscopy

May 5, 12, 19 & 26, 2007

An advanced course on polarized light microscopy which will cover the following topics:

The nature of polarized light  
The origin and interpretation of interference colors  
Birefringence and crystal orientation, The Indicatrix  
Compensation and variable compensators  
Interference figures and their interpretation

The workshop will consist of four consecutive Saturdays of lectures and hands on labs to cover the theoretical and practical aspects of polarized light microscopy. The course instructors include Jan Hinsch formerly of Leica Microsystems, Mary McCann of McCann Imaging, John Reffner of Smiths Detection and N.Y.M.S. Instructor Don O'Leary.

WHEN: May 5, 12, 19 & 26, 2006 from 10 A.M. to 4 P.M.

WHERE: 30 North Mountain Avenue, Montclair, NJ 07042. Phone (973) 744-0043

COST: \$395 for N.Y.M.S. members, \$425 for non-members (includes membership). Lunch and course materials are included. Checks made out to N.Y.M.S.

WHO: Advanced course for those who have completed "The Use of the Microscope" or are experienced in microscopy and familiar with the theory of its use.

HOW: Register using the form below. Limited to the first 12 registrants.

Return form to Don O'Leary, 10 Sampson Street, Unit 113, Saddle Brook, NJ 07663

FURTHER INFORMATION: Call D. O'Leary (201)368-8849 e-mail [dkoleary@verizon.net](mailto:dkoleary@verizon.net)

PLEASE POST

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Registration Form, Polarized Light Microscopy

N.Y.M.S. Member \_\_\_\_\_ (\$395) Non-Member \_\_\_\_\_ (\$425)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone (W) \_\_\_\_\_ (H) \_\_\_\_\_

e-mail \_\_\_\_\_

Mystery Photo – Do you think you know what it is? Email or phone me your answer.

> Mel



**Did you know** that NYMS has numerous microscopes and related items for sale?

**Did you know** that NYMS now has a small machine shop for use by its members?



### Getting It All In Focus

**HeliconFocus** is a program that creates one completely focused image from several partially focused images by combining the focused areas. The freeware tryout version (puts copyright data on picture) can be downloaded from the following website: [heliconfocus.com](http://heliconfocus.com).

**Combine Z** is another similar program, older than Helicon Focus and also was free as a download. I use version (ZM). For XP users

**CombineZM** is recommended. Google [combinezm](http://combinezm.com). Examples will be shown in March Newsletter.

>Mel

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January 2007 Mystery photo

Congratulations to Joe Orosz & Ralph Dames for the correct answer; *Rectuvigerina transversa*, a member of the Order foraminifera. This specimen found at San Isidro, Ecuador.

### Interested in Micro-Minerals/Fossils?

Please visit the Clifton Mineral Show, March 10-11, at the Pope John Paul II Elementary School at 775 Valley Road (North of rt 3 at Rt 46), Clifton, NJ. Sat & Sun 10-5.

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](mailto:pollingmel@verizon.net)

or

Mel Pollinger

18-04 Hillery Street

Fair Lawn, NJ 07410

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

1. **Regular mail, gray scale images: Do nothing. Color may continue.**
2. **Email with full color images, pdf file: Needs your active email address.**