



Newsletter

Of the

New York Microscopical Society



1 Prospect Village Plaza
(66F Mt. Prospect Avenue)
Clifton, New Jersey 07013-1918
GPS: Latitude 40.8648 N, Longitude 74.1540 W

April 2010

N.Y.M.S. (973) 470-8733

Volume 4(24) Number 4

8th Annual Microscope Day at John Jay

Presented by New York Microscopical Society and John Jay College
Wednesday, April 28th, 2010 at the BMW Building
555 W. 57th St., New York, NY
(Sixth floor, Room 613B)

Please join us for this event, which begins at 10 AM and concludes at 4 PM. It is an informal event where speakers will give short presentations with ample time in-between to interact with other attendees and speakers.

This year's speakers and their presentation titles (exact order of speakers is subject to change):

10:00 AM Opening Remarks: *Peter Diaczuk, Past-President, New York Microscopical Society*

10:15 Gerard Petillo and Peter Diaczuk– *The Hammer is Back-A look at "hammer bounce" on ammunition primers*

11:00 Rebecca Smith – *Application of Statistical Analysis to Tool Marks in Bone*

11:45 Lunch

12:45 Dave Zweig- *An Introduction to Digital Microscopy and its Application to Tool Marks*

1:30 Helen Chan – *Drill Bits: Do They Make Impressions?*

2:15 Loretta Kuo - *Statistical Analysis of Screwdriver Tool Marks*

3:00 Alison Domzalski – *Effects of Environmental Exposure on Human Scalp Hair Root Morphology*

3:45 Closing remarks: Peter Diaczuk

- Dave Zweig of Zarbeco will have a table displaying and demonstrating his newest digital microscopes
- (the MiScope©) and attachments.
- Bob Luce will have a table displaying and demonstrating the latest Leica microscopes.
- Allison Forlenza from Nikon and Jenn Patane from Morrell Instruments will have a table displaying their new telepathology instrument, the Mi Grossing Station.
- Refreshments to be served.
- This event is free and open to all those interested in microscopy
- Photo ID necessary for entry into building.

Polarized-Light Microscopy Course – May 2010, Apply Now! Form Enclosed.

Squash Bug, From NYMS Collection, Scanned Image by Mel Pollinger



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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).

Junior (under age 18) \$10 Annually

Regular \$30

Student (age 18 or above) \$20 Annually

Supporting \$60 Annually

Corporate (includes one advertisement in NYMS News) \$175 Annually

Life \$300 (payable within the year)

To avoid missing notices:

Notify Mary and me 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.

Letter to the Editor: Last Month's Presentation

Dear Mel,

I can't tell you how much I enjoy receiving the NYMS newsletter. Although Dallas is far afield from 1 Prospect Village Plaza, it is always great to keep in touch via this simple mailing. I am always intrigued by the presentations mentioned in the newsletter and, having special interest in Polarized Light, my eye was caught by this past Sunday's presentation. I noticed that it was PowerPoint presentation and was wondering if there was a way to get a copy?

Many thanks,

Barbara Foster

Past NYMS instructor and life-long microscopy lover

Dear Barbara: Tony was unable to give us the polarized light presentation, at this time, as we advertised in the newsletter. He presented instead an excellent Powerpoint slide show and talk on the historical mineralogy of a remote area of Russia, including the difficulties encountered by the research teams in acquiring such information. Surprisingly, although an entirely different subject, especially for a microscope group, it was extremely interesting and received with great enthusiasm by the members and guests. We hope Tony will be able to give the polarized light presentation at another time. Regarding your desire to have a copy of his CD, I cannot answer for him, but perhaps he might respond to you directly. You can email him at <tony@excaliburmineral.com> Mel

NYMS Outreach Program

"On a Wing" is the theme for a proposed NYMS outreach event in Central Park.

Two other events which NYMS has committed to, are:

Saturday, June 26 "Family Fishing Festival" - NYMS and the BioBus will set up side-by-side again for this event.

Sunday, July 18 "A Clearing in the Park" - NYMS will set up microscopes outdoors and teach children how to use them to view botanical specimens. If it's a rainy day this event will be cancelled.

The New York Microscopical Society exists to encourage people of all ages to appreciate microscopes, and Central Park is a great green place to do this.

For further information, please contact

Jean Portell, for NYMS
phone: (718) 643-1222
jeandportell@aol.com

2010 Nikon Small World

I would like to remind you that the deadline for entering the 2010 Nikon Small World competition is approaching. Entries for the contest can be uploaded through a web browser directly to the MicroscopyU servers at the following URL:

<http://www.microscopyu.com/smallworld/registration/entrypage1.aspx>

The deadline is Friday, April 30th, 2010. There is no "upper" size limit, but files larger than 10 Mb take quite a bit of time to upload over a modem. You may also email entries directly to : <davidson@magnet.fsu.edu>

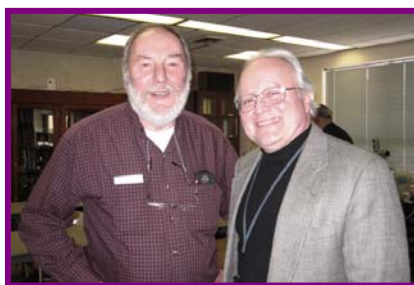
Michael W. Davidson
National High Magnetic Field Laboratory
1800 E. Paul Dirac Dr.
The Florida State University
Tallahassee, FL 32310
Phone: 850-644-0542
Fax: 850-644-8920
Web: <http://microscopy.fsu.edu>

Each contestant will receive a 2011 Small World Calendar in November, compliments of Nikon.

A note about the contest: Each year, exhibits containing the winning entries are displayed at museums and science centers throughout the U.S. and Canada. In the past, many of these images have proceeded to grace the covers of scientific and industrial publications and journals. A stunning full-color calendar featuring all twenty Nikon Small World winning images and honorable mentions is also produced and distributed to all of the contestants. The first place winner receives a selection of Nikon products and equipment worth \$3,000. honorable mentions is also produced and distributed to all of the contestants. The first place winner receives a selection of Nikon products and equipment worth \$3,000.

March Meeting Goings On

March Meeting



**Mel Pollinger
& Tony Nikischer**

Roland Scal & Gary Mayer



The NYMS Board of Managers Needs You!

There is a Board position opening for an Education Chairperson. If you are interesting in volunteering for this position, please contact Don O'Leary: dkoleary@verizon.net or (201) 519-2176



From The Editor...if you have email:

Getting the newsletter by email means you receive bonus files that cannot be sent by "snail mail." Even if you continue your USPS delivery of the newsletter, NYMS needs your email address for reporting priority events and special news. Being able to contact you by email means better communication between us.

To Order Your NYMS Lapel Pins

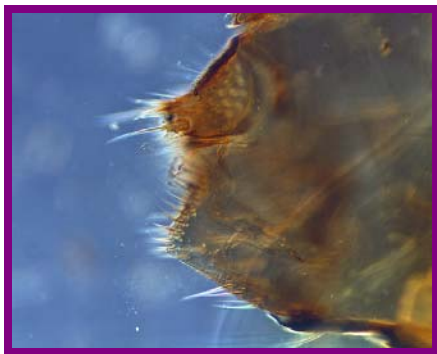


Send a check in the amount of \$12.00 per pin to New York Microscopical Society, c/o Mel Pollinger, 18-04 Hillery Street, Fair Lawn, NJ 07410. To avoid shipping & handling charges, pins may be purchased directly at any NYMS meeting for \$10.00.

*Scintillate, scintillate, globule vivific!
In vain do I ponder thy nature specific--
Precariously poised in the ether capacious,
Closely resembling a gem carbonaceous;
Scintillate, scintillate, globule vivific,
In vain do I ponder thy nature specific!*

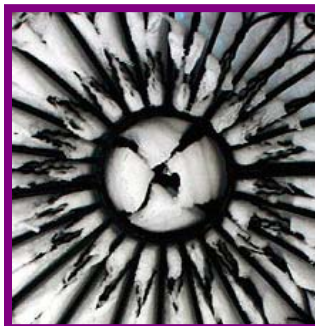
Anon.

Answer to March 2010 Mystery Photo

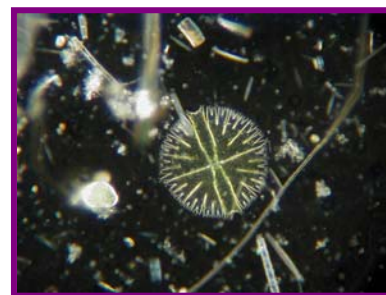


Polarized light image of hind quarters of a dog flea.
Correctly answered by Angela Klaus.

Mystery Photo for April 2010



Want to take a guess? Send it to me by email or call me: pollingmel@verizon.net, (201) 791-9826



Desmids

Desmids are an order (**Desmidiaceae**) of green algae, comprising around 40 genera and 5,000 to 6,000 species, found mostly but not exclusively in fresh water. Most are unicellular, and are divided into two compartments separated by a narrow bridge or isthmus. Desmids assume a variety of highly symmetrical and generally attractive shapes, which provide the basis for their classification. Each compartment has one chloroplast, and no flagella. Sexual reproduction occurs through a process of conjugation, also found among the zygnematales. These two groups are closely related, and may be united as the division Gamophyta. The desmids are sometimes treated as members of the Zygnematales, but more often given the separate order Desmidiaceae. The above information was excerpted from Wikipedia. References and additional material may be found online. Image above made from living material by Mel Pollinger.

Got something you want to sell, trade or publish in the Newsletter and/or on the website? Write, call or send an email message to:
201-791-9826 or pollingmel@verizon.net (images accepted)
or
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