



Newsletter

Of the

New York Microscopical Society



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

October 2010

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

Volume 4(24) Number 8

Meeting Announcement

New York Microscopical Society, 2010 Fall Lecture Series

Sunday, October 24, 2010, Lecture starts at 2:00 P.M.
NYMS Headquarters, Clifton, NJ

Visualizing micro features of weathering patinas and a possible new conservation technology.

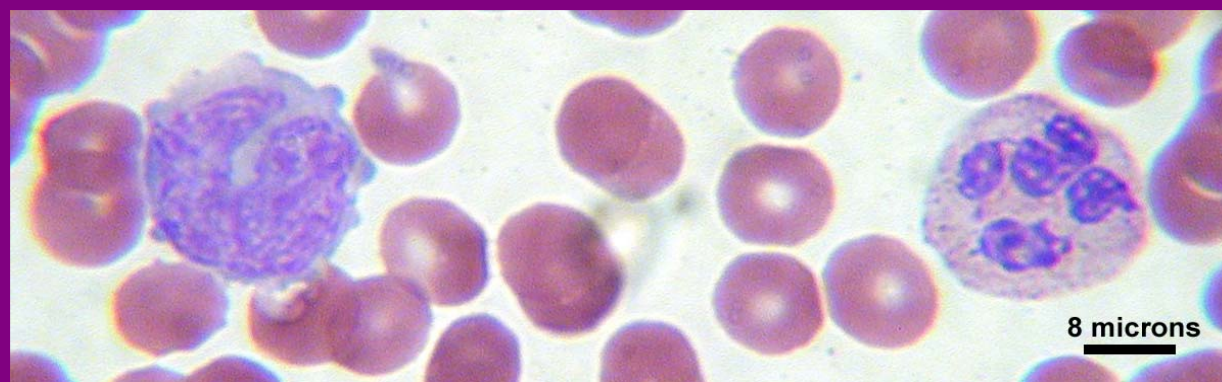
Presented by
John Scott

Starting with an early assignment helping his conservation mentors adopt microscopy at the Nelson Atkins Museum of Art, cultural heritage conservator John Scott has used various magnifying methods in studying heritage structures, materials and processes, and in planning and carrying out art preservation and restoration. On moving to New York City after time in the Scientific Department of the National Gallery, and in the Philadelphia Museum of Art, Scott joined NYMS when a local heritage conservation colleague recommended taking NYMS courses. Recently, reduced size "table top" SEM and EDS technology has allowed Scott to more closely observe structure and composition in patinas developed outdoors on heritage metals. This has greatly aided his ongoing evaluation of a potentially very useful microbiological method of surfaces conservation for outdoor metals. Scott will talk about the chemistry and structure of copper alloys' weathering patinas, possibilities and cautions for microbiological treatment, and illustrative cases with bronze sculpture.

John Scott, MA, MBA, MA-CAS, FNYMS, etc. . President, New York Conservation Foundation. Principal, John Scott Conservator of Art and Architecture. A NYMS Fellow and Life Member, the conservator-analyst John Scott practices cultural heritage conservation, mostly in the mid-Atlantic and Northeastern USA regions around New York City.

(Those attending will also see our member-accessible microscopy lab and library!)

Building opens at Noon. Following the meeting, NYMS members and their guests are welcome to join the speaker for Dinner at a selected, local restaurant. Please contact Roland Scal (rscale@qcc.cuny.edu; 718-631-6071) by noon on Saturday, October 23th to RSVP for dinner.



NYMS Banquet 2010 at Doubletree/EAS November 17th at 5 pm

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Board Member

John Scott, exp. June 2012
Archivist & Associate Curator

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.

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.

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.



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.

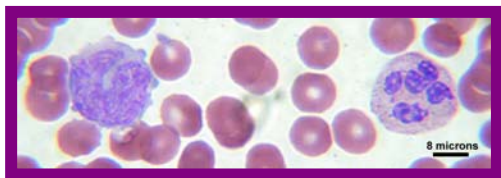
To Order Your NYMS Lapel Pins



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.

Buy and Read a Good Book on Microscopy.

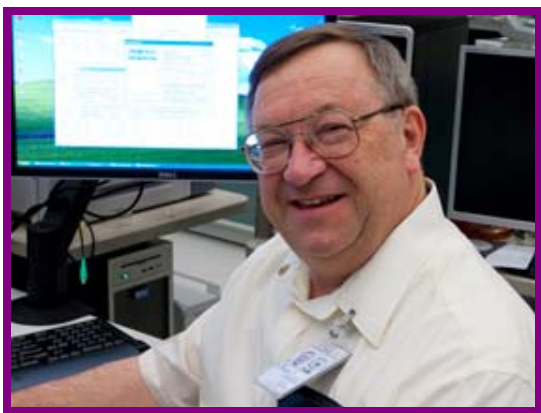
(From Page 1)



Human Blood Cells, Wright's Stain

The blood smear was stained with Wright's and photographed at 1000x oil. The image contrast was adjusted with Photoshop. Monocyte on left, Neutrophil on Right. Slide preparation and imaging by Mel Pollinger.

Dr. Newbury has been selected to receive the New York Microscopical Society's Ernst Abbe Memorial Award. The Award will be formally presented at a symposium in his honor during the EAS meeting in November 15-17, 2010.



Dale Newbury

BioBus Making Outreach-Inroads

Dear BioBus Science Club,

Welcome to the 100 new members that signed up at the World Maker Faire last week. The weekend was hugely fun, with approximately 1000 people extracting DNA from strawberries with our partners at [DIYBio](#),



using our microscopes to watch Daphnia's heartbeat, and identifying organelles inside their own cheek cells. We won two top place "Editor's Choice" awards for both our science and our innovative green roof and were featured on [CNET](#). Hooray!

In addition to all that excitement, today **NBC's Education Nation** posted an opinion piece I had submitted. If you'd like to hear what I think about the

BioBus, why it is necessary, and how it can be part of the solution to our nation's education woes, please [check it out here and share widely](#).

Have you had a great experience on board the BioBus you can spare 5 minutes to share? Go to [Great Non Profits](#) and review the BioBus. These reviews help us convince donors and foundations that we're a worthy organization to support. Thank you!

As always, thank you for support. We wouldn't be driving without you.

Scientifically,

Ben

(as sent to NYMS editor by Jean Portell, NYMS Outreach Chairperson)

Dr. Michael Weisberg, "Stardust, Aerogel, ...feels like smoke..."



Members listen attentively to Dr. Weisberg being introduced by Roland Scal.

Sample of "Aerogel," used in the Stardust space mission to collect micrometer-size particles from the comet called Wild II. Also, small extraterrestrial (interplanetary) dust particles are collected in earth's stratosphere. "When



you hold it in your hand, it feels like you are holding smoke," says Dr. Weisberg, referring to the lightness of the Aerogel material.

Angela Klaus was kind enough to hold a small

sample of the material between her fingers so I could get this picture. You know, the doctor was right, it did feel like smoke. Mel

NYMS Banquet 2010

Where: Doubletree Inn, Somerset, N.J. (EAS)

When: November 17, 2010

Open bar 5:00pm, Dinner 6:30pm

Cost per person: \$35.00

Additional information: call Don O'Leary 201-519-2176

Please reserve your place no later than November 10, 2010

by filling in the enclosed form and sending it with your payment to:

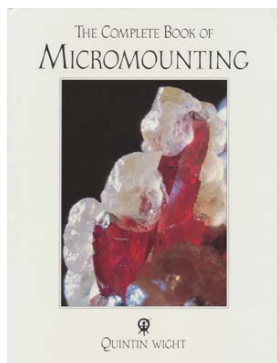
NYMS BQT 2010

c/o Mel Pollinger

18-04 Hillery St

Fair Lawn, NJ 07410-5207

New Book in Library (1)



The Complete Book of Micromounting by Quinin Wight

Inter/Micro: 62nd Call for Papers

July 11-15, 2011 - Inter/Micro: 62nd Annual Applied Microscopy Conference, Chicago, IL, USA
Titles & Abstracts due by April 15, 2011
Contact: Therese Newman
e-mail: intermicro@mcrl.org
Phone: 312-842-7100
Fax: 312-842-1078

www.mcrl.org

NYMS Open Tuesday Evenings

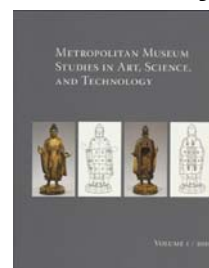
NYMS Headquarters at Clifton, NJ will be open to members from 8:00pm to 10:00pm most Tuesday evenings. Those members wishing to visit must call Don O'Leary to confirm. Don's cell-phone number is (201) 519-2176.

Mystery Photo for October 2010



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

New Book in Library (2)



Metropolitan Museum Studies in Art, Science and Technology Volume 1/2010

Answer to Mystery Photo for September 2010



Glass-blowing: Image by Jeff Glover

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
Mel Pollinger, Editor
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18-04 Hillery Street
Fair Lawn, NJ 07410

Eastern Analytical Symposium

Housing information for the 2010 Eastern Analytical Symposium. If you have questions, please contact:
Sheree Gold, Eastern Analytical Symposium
Exposition Director
610-742-4981 (cell), 610-485-9467 (fax)
Eastern Analytical Symposium November 15-17, 2010
Somerset, New Jersey, www.eas.org

