



Newsletter

Of the

New York Microscopical Society



1 Prospect Village Plaza
(66F Mt. Prospect Avenue)
Clifton, New Jersey 07013-1918
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March 2015

Editor: (201) 791-9826

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New York Microscopical Society 2015 Lecture Series

2pm, Sunday March 29, 2015 Lecture at NYMS in Clifton, N.J.

Small is big: understanding the invisible world of phytoplankton

Speaker: Dr. Lee Karp-Boss, Ph.D.

The ocean contains a universe of tiny wands, collectively called plankton. Though invisible to the naked eye, plankton account for most of the living biomass in the ocean, sustains fisheries worldwide, and plays an important role in the global carbon cycle. At the root of planktonic ecosystems are phyto-plankton, a group of photosynthetic organisms that produce ~ 40% of the oxygen we breath. When viewed under the microscope phytoplankton display a magnificent diversity of forms that have attracted the attention of scientists, amateur microscopists and artists alike. In this talk I will discuss how the different branches of microscopy- optical, electron and scanning probe microscopy- as well as new advances in imaging technologies have been applied and integrated to reveal the secret world of phytoplankton.

About the speaker: Dr. Lee Karp-Boss is an Associate Professor of Oceanography at the University of Maine, School of Marine Sciences. Her research focuses on interactions between planktonic organisms and micro-scale physical processes in the marine environment, how they shape planktonic communities and marine food webs, generate observed distribution patterns and affect biogeochemical cycling in the ocean.

Doors will be open at Noon. Refreshments will be available. For additional information, please contact Mel Pollinger (pollingmel@optonline.net), Home: (201)791-9826, cell (201) 314 - 1354

Fossil insect In amber: Lygistorrhinidae (Diptera: Sciaroidea) image by Paul C. Nascimbene



Save a Tree: Get The Extended Newsletter: By Email Only

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For additional information contact the Editor: Mel Pollinger at (201) 791-9826, or pollingmel@optonline.net

Dues and Addresses

Please remember to mail in your Dues to:

**Mel Pollinger
Treasurer, NYMS
18-04 Hillery St.
Fair Lawn, NJ 07410-5207**

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 Mel Pollinger if you have changed your address, phone or email.

Awards Given by the New York Microscopical Society

The New York

microscopical Society takes great pleasure in recognizing and rewarding individuals who have contributed to either the activities of the society or to furthering microscopy. These awards are described in our website and in a pdf file for our email newsletter recipients. All members are eligible to nominate individuals for these various awards, and are encouraged to do so.

John A. Reffner, Awards Committee Chairperson

Awards Committee

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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.



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, or emailing: pollingmel@optonline.net

Please remember to pay your dues

Buy and Read a Good Book on Microscopy.

Coming Up in 2015

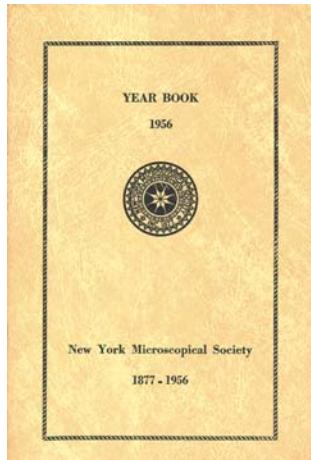
Dr. Lee Karp-Boss, Ph.D.

From the Library:

The NYMS Library contains over 3,700 cataloged volumes, among these is a full set of McCrone's Particle Atlas and copies of Microbe Hunter Magazine.

Come on down and read!

Contact: Mel Pollinger (201) 791-9826, or email Mel at pollingmel@optonline.net



NYMS Yearbook 1877-1956

Be A Volunteer – There's Always Something to do and see at NYMS.

If you wish to contribute some of your time to NYMS, please contact me at (201) 791-9826 or by email at pollingmel@optonline.net

EAS Live Webinars for 2015:

Please search on the below indicated web address and review the EAS Website below for information regarding the upcoming Live Webinars in 2015.

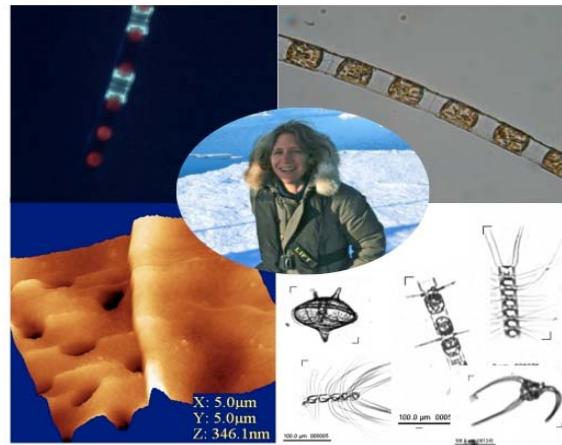
http://easinc.org/wordpress/?page_id=2974

April 15th: Forensic Course:

Announcing our first ever lecture as part of the **NYMS Law Enforcement Lecture Series**. The date is set for Wednesday April 15, 2015 from 8am to 4pm. The title of our first lecture in the series is: **BULLET RICOCHET AND CRITICAL ANGLE IMPACTS**. Our first lecturers will be our own Peter Diaczuk with John Jay College and former NYPD detective James Gannalo. The doors will open at 8am in Clifton, New Jersey with the lecture beginning at 8:30am. at NYMS in Clifton.

Contact Andrew Winter, Education Chair for info & registration applications.

andrew.winter@co.middlesex.nj.us; (732) 816-3793



EAS CALL FOR PAPERS *On-line submission is now open!* Join us November 16-18, 2015 in Somerset, NJ

We invite you to be part of EAS by contributing a paper for oral or poster consideration. EAS seeks contributions from scientists in **ALL** areas of analysis, which make its program uniquely strong. Submit at:

www.eas.org/asubmit

Introducing new submission deadlines for 2015!



From page one... Paul Nascimbene's Presentation on March 1st was an exciting view into his life as a field collector, scientist and researcher for the Paleontological department of the AMNH. From his images and lecture, one feels the intensity of the desert and mountains as the team searches for clues to the past lives of prehistoric insects: Such as the tiny creature struggling to free itself from the sticky resin that will eventually become its amber tomb.

In Memoriam

As reported by his daughter, Amy: Daniel W. McNeil passed away on January 14, 2015. Daniel joined NYMS in 1990, was conferred a Fellow of NYMS and became a Life Member in 2005.

Visitors Always Welcome to NYMS

Although most of our lecture meetings, workshops and classes are held in the NYMS Clifton facility on the last Sunday of the month, the building may be opened for special purposes at other times, by appointment only. For such an appointment, please contact Mel Pollinger by phone at (201) 791-9826, M-F noon to 9:30pm, or by email at pollingmel@optonline.net.

From The Editor...

if you have an email address: Getting the newsletter by email means you can receive an **extended pdf version** that cannot be sent by "snail mail." Even if you only continue your USPS delivery of the newsletter, NYMS needs your email address for reporting priority events and special news. Being able to contact you quickly by email means better communication between you & NYMS■■ Mel

Need to use a Microscope?

The various microscopes that are presently set up on the main floor of the New York Microscopical Society building in Clifton, N.J. are there for the use of its members.

From Gary Mayer: In need of parts for older Olympus Microscopes? Contact J.C. Ricky in Ohio at (740) 862-9252

Microscope Cleaning Kit

A complete set of tools and accessories to keep your microscope in optimum operating condition. The kit is put together by our previous Curator/Educational Chairman, Don O'Leary, and available directly from NYMS, while they last, for only \$35.00 plus shipping & handling, or may be purchased at a meeting. Call or email Mel Pollinger for details (see page two for contact numbers).

NYMS Meeting Dates

**Most meetings of NYMS are usually held in Clifton on the last Sunday of the months of Jan., Feb., Mar., Apr., May, Sep., Oct.
Exceptions will be noted in the Newsletter.**

NYMS microscope slide collections are available for study at meetings and by appointment.

Please note that our website is presently under repair.

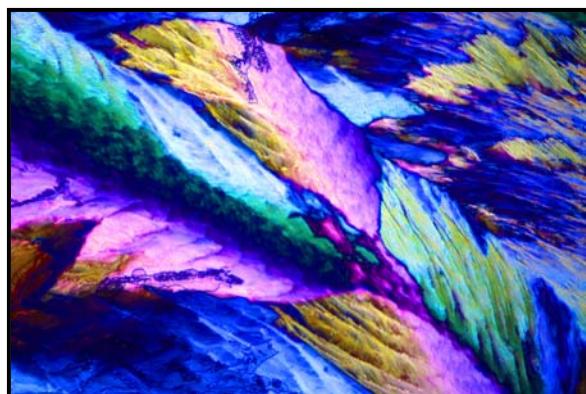
Answer to Mystery Photo for Feb 2015



Did you guess correctly? Shot fired under water.

Correctly guessed by Les Doti.

Mystery Photo for March 2015



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

Additional Historical NYMS Supplements

Email Newsletter recipients will also be getting copies of NYMS Newsletter pdf back-Issues from 2007. Copies of older newsletters will be sent as I convert them.

Attention NYMS Members

**Got something to sell? Article to publish?
Pictures for the newsletter? Looking to
buy something? Want to use the library?
Want to use a NYMS microscope?
For any of the above, contact the Editor,
Mel Pollinger.**



Supporting Member