



Phaëton

The Official Newsletter of the
Maryland Entomological Society

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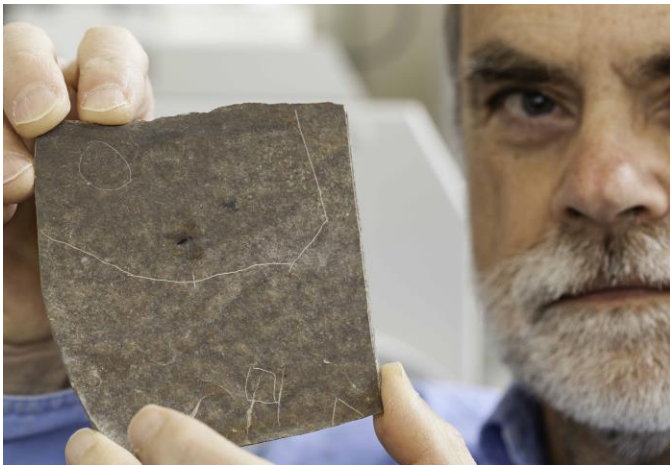
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WEBSITE: <http://www.mdentsoc.org/>

Meeting Announcement

The Maryland Entomological Society's 318th regular meeting will be held **Friday, 20 Oct. 2017, at 8:00 pm**, in **Room 004** (one floor below the street level), **Biological Sciences Building**, University of Maryland Baltimore County (UMBC). Bring a friend, specimens, observations, or books to share. Refreshments will be provided. Presentations are scheduled to begin at **8:15 pm**.

Speaker: Dale E. Greenwalt, Ph.D. - President of and Program Director for the Paleontological Society of Washington & Research Associate, Department of Paleobiology, National Museum of Natural History (NMNH), Washington, D.C.



Title: “Why can’t neontologists and paleontologists play nice: The status of paleontology today with descriptions of spectacular new fossils from the Eocene of Montana”

Dr. Greenwalt is responsible for the establishment of a new collection of Eocene fossil insects from the Kishenehn Formation in northwest Montana. This involved annual field trips to Montana, organization and photography of the specimens, and establishment of a digital database. He is also responsible for the initiation of collaborations with scientists outside of the NMNH in an effort to promote research on the Kishenehn collection.

Speaker Bio: Dr. Greenwalt received his BS from the University of Minnesota and, after serving in the Peace Corps in the South Pacific, he received his doctorate from Iowa State University. After a postdoctoral stint at the University of Maryland College Park, and a career path adjustment to the study of membrane biochemistry, he became an assistant professor of chemistry at San Jose State

University. Subsequent positions in the field of biotechnology at Human Genome Sciences and Lonza involved research into the development of cell-based high throughput assays for drug discovery. After retirement Greenwalt became a volunteer in the Paleobiology Department of the NMNH. He is now a research associate at the NMNH and has spent the last nine years establishing the Kishenehn Formation fossil insect collection.

MEET FOR DINNER BEFORE THE LECTURES

If you are interested in meeting for dinner before the lectures, you are invited to join the guest speaker and your fellow MES members at the **Chef Paolino Café** located at **726 Frederick Rd, Catonsville, MD 21228**. If you plan to go to dinner, please email [Fred Paras](mailto:bugandrockman@msn.com) at bugandrockman@msn.com by noon on the day of the lecture. Fred will make a reservation for the group. Please meet at the restaurant promptly at **6:00 p.m.**

WELCOME TO NEW MEMBERS

For the **May 2017 meeting minutes** see the June 2017 newsletter.

HONORING MEMBER DONORS

MES wishes to honor the following members who made charitable donations along with their recent membership renewals. These donations help with the printing and mailing of *The Maryland Entomologist*.

William A. Andersen
Benjamin L. Apt
Robert L. Davidson
Mark C. & Emily Etheridge
Thomas J. Henry
Gary F. Hevel
Alexandra Lord
Janet A. Lydon
Timothy M. McMahon
Frances B. Pope
Kyle E. Rambo
Michael J. Raupp
Sue A. Ricciardi
Richard G. Robbins
Chris Sargent
Aubrey G. Scarbrough
Paula M. Shrewsbury
David R. Smith
Robert P. & Joanne K. Solem
Theodore W. Suman
Timothy W. Thompson
James H. Trosper
June L. Tveekrem
Elissa M. Weidaw

General Session Topics – Wednesday - Friday

- Chemical ecology of Cerambycids
 - Evolution and invasive species
 - Ecological aftermath: why biological invasions are real problems
 - Managing invasive forest pests with biological control: an update on recent progress.
- In addition to the General Sessions, this year's program will include several invited and offered presentations on topics that are relevant to the issue of non-native invasive species:
- Invasive organisms and invasive fires: reciprocal effects, management options
 - Laurel wilt disease. What we know and what we fear
 - Etiology of thousand cankers disease in the eastern US
 - Factors affecting catches of ambrosia beetles and wood borers
 - Effects of rising CO2 and climate change on invasive species
 - Restoration of the American elm across the urban to rural gradient
 - The recent gypsy moth outbreak in New England: the role of rainfall, *Entomophaga maimaiga*, and Nuclear Polyhedrosis Virus
 - Which of the 1000 bark beetles indigenous to Asia is the greatest threat to American forests?
 - Updates on spotted lanternfly

Poster displays on invasive species and related topics are always welcome. Please contact Vince D'Amico (vincedamico@gmail.com) regarding guidelines and space availability.

A limited number of openings are available on the Program for research presentations. Please contact Michael McManus at mmcmanus0121@comcast.net as soon as possible if you are interested in giving a presentation.

Additional information can be found at:
https://www.nrs.fs.fed.us/disturbance/invasive_species/interagency_forum/

29TH USDA INTERAGENCY RESEARCH FORUM ON INVASIVE SPECIES

Tue-Fri, 9-12 January 2018

Loews Annapolis Hotel, 126 West Street, Annapolis, MD

Keynote Speakers –

Kenneth Raffa, University of Wisconsin, Madison, WI

It's about time: Applying variable and changing temperatures to the management of two naturalized invasive pests, oak wilt fungus and gypsy moth

Helen Roy, Natural Environment Research Council, Centre for Ecology and Hydrology, Oxfordshire, UK

Engaging people in unraveling the ecology of biological invasions



Central Maryland Beekeepers Association

Supporting and promoting beekeepers and the viability of honeybees in central Maryland

MEMBERS MEETINGS

Tues, 24 October 2017; 7:00 p.m..

Dr. Dewey Caron of the University of Delaware speaks about "Good News for Beekeepers."

LOCATION: MARC (Maryland Agricultural Resource Council)
1114 Shawan Road

Cockeysville, MD 21030

Dr. Dewey M. Caron is a native of Bennington, VT and a

graduate of University of Vermont. Following a PhD in Entomology at Cornell University with Dr. Roger Morse, he was an instructor in the Entomology Departments at Cornell, then later the University of Maryland and University of Delaware. Currently, Dewey is Emeritus Professor of Entomology & Wildlife Ecology, University of Delaware and Affiliate Professor, Dept. of Horticulture, Oregon State University. He was instrumental in creating the Eastern Apicultural Society (EAS) Master Beekeeper program and continues as its advisor. He is a past president of both the EAS and the Western Apiculture Society (WAS) and now serves on their executive boards. Since 1981 he has been active in Spanish speaking overseas extension, beekeeping development programs. Dewey is a regular conference speaker at the CCBA annual BK conferences. <http://udel.edu/~dmcaron/>. Copies of Dewey's book "Honey Bee Biology and Beekeeping" will be available for sale.

Tues, 7 November, 2017; 7:00 p.m.

Dr. Helmut Doebel talks with us about what neonicotinoids are doing to honeybees.

Bee Research Lab: <http://gwbuzz.com>

Sat, 2 December, 2017; 6:00-9:00 p.m.

Holiday Potluck Dinner

Members meetings are held at the [Oregon Ridge Nature Center, 13555 Beaver Dam Road, Cockeysville, MD](#). Additional information can be found at:

<http://www.centralmarylandbees.org/meetings-3/membership-meeting-schedule/>

**AMERICAN ENTOMOLOGICAL SOCIETY
PUBLIC MEETING**

Wed, 25 October; 4:00 p.m.

Topic: TBA

Speaker: TBA

The University of Delaware, Allen Lab Conference Room 101, Newark, Delaware (The Allen Lab Building is east of Townsend Hall. See: <http://maps.rdms.udel.edu/map/index.php>)

Wed, 22 November; 7:00 p.m.

Topic: TBA

Speaker: TBA

The Academy of Natural Sciences of Drexel University, Ewell Sale Stewart Library, Second Floor, 1900 Benjamin Franklin Parkway, Philadelphia, Pennsylvania

For additional information, go to:

<http://darwin.ansp.org/hosted/aes/mtgSched.htm>

YOUTH INCENTIVE AWARD

This program by the Coleopterist Society encourages middle and high school aged children to pursue a research project involving Coleoptera and pair with a professional scientist mentor. Those selected get a small budget and money for equipment from Bioquip. This program is currently soliciting mentors to identify and nurture larval coleopterists in their local communities. More information about the program and the application form can be found on the attachment of this month's issue and at:

http://www.coleopsoc.org/default.asp?Action=Show_SocietyInfo&ID=Youth

The deadline for application is November 1.

**UNIVERSITY OF MARYLAND
DEPARTMENT OF ENTOMOLOGY COLLOQUIA**

Fri, 13 October 2017, 12:00 p.m.-1:00 p.m.

"Genomic Approaches for Studying Vector Biology"

David Serre, University of Maryland School of Medicine

Fri, 27 October 2017, 12:00 p.m.-1:00 p.m.

"Catching periodical cicadas in the act: Range shifts in the southern Appalachians (with a timely addendum about why Zombie Cicadas are to be avoided!)"

John Cooley, Wesleyan University

Fri, 3 November, 12:00 p.m. – 1:00 p.m

"How the network got its nodes: the genetic origins of complex and novel morphological traits"

Mark Rebeiz, University of Pittsburgh

Fri, 10 November, 12:00 p.m. – 1:00 p.m.

Title: "Bugs and Bodies: The Role of Insects in Crime Scene Investigations"

Richard Merritt, Univ Distinguished Prof Emeritus

Fri, 17 November, 12:00 p.m. – 1:00 p.m.

Crystal Cooke, UMD Entomology

Fri, 1 December, 12:00 p.m. – 1:00 p.m.

Hanna Kahl, UMD Entomology

Entomology colloquia take place in 1130 Plant Sciences Building, College Park, MD from 12:00 pm to 1:00 pm. For additional information, go to:

<http://entomology.umd.edu/news/events>.

**ENTOMOLOGICAL SOCIETY OF WASHINGTON
PUBLIC MEETING**

Thu, 2 November 2017; 7:00 p.m.

Topic: TBA

Speaker: TBA

National Museum of Natural History, Smithsonian Institution, Washington, DC

<http://entsocwash.org/>.

2ND ANNUAL YOUNG STEMS EXPO

4 November 2017; 10:00 a.m. – 3:00 p.m.
9435 Lyons Mills Road Owings Mills, MD 21117

The Young STEMs Expo provides hands-on activities to introduce children and their parents to a range of STEM careers. This year, the career stations will focus on the theme of agriculture and aquaculture in Maryland. The Young STEMs Expo, in collaboration with the Lyons Mills Elementary/Baltimore County Public Schools STEM Expo, will also offer parent sessions designed to help them support their children in STEM.

More information: <https://marylandstemfestival.org/events/2nd-annual-youngstems-expo-2017/>

GUIDE FOR IDENTIFYING DAMAGE ON WOODY PLANTS

As many of you will know, the number of emerging pests and diseases of woody plants (i.e. species that have never previously been recorded outside their native continent) is continuously increasing. Early warning of these potential invaders before they arrive can be based on surveys of sentinel plantings, nurseries, and arboreta. However, such surveys will necessarily face the presence of organisms and symptoms that have never been observed before by the surveyors. To facilitate the identification of the most likely causal agents of damage to woody plants in situations where the exact identity of such agents is unknown, a field guide for the identification of damage on woody sentinel plants has now been published. The book is now available as a free open-access e-book under the following link: <http://www.cabi.org/cabebooks/ebook/20173265430>. No hard copies of the book will be sold.

This guide is intended as an aid for managers of sentinel plantings, botanical gardens, or arboreta, as well as phytosanitary inspectors, who may have knowledge of common pests and diseases of woody plants, but may not know the likely cause of damage that they have not encountered before. It aims to provide a tentative identification of relatively broad groups of organisms and not definitive identification of the causal agents. There are chapters that explain how to use the guide, followed by keys (for different organs of conifer and broadleaf species) to guide the user to the relevant sections of the book, based on the questions entomologists and pathologists ask themselves when looking at a damaged or diseased tree in a fashion similar to how a doctor interrogates a patient to arrive at a diagnosis. The largest part of the book is devoted to the description and illustration of damage types and typical causes of the observed damage.

The book is an output of COST Action FP1401 - A global

network of nurseries as early warning system against alien tree pests – “Global Warning” (www.ibles.pl/cost).

Submitted by: Dr René Eschen, Senior Scientist – Risk Analysis and Invasion Ecology, CABI

LOOKING FOR GOLDENROD

MES member Roberta Engel, who is new to Maryland, is looking for good places to collect insects on Goldenrod. If you have any suggestions, please contact her at:

REngel@ndm.edu

OCT 2017-SEP 2018 MES MEMBERSHIP YEAR OFFICERS

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Vice President	Philip J. Kean
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Treasurer	Edgar A. Cohen, Jr.
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Faculty Sponsors	Frank E. Hanson & Austin P. Platt
Journal Editor	Eugene J. Scarpulla
E-newsletter Editors	Aditi Dubey & Hanna Kahl

2017/2018 PROPOSED MES EVENT SCHEDULE

Regular MES lecture/meetings are held at the University of Maryland Baltimore County (UMBC) on the 3rd Friday of each of 6 months coinciding with UMBC’s academic year. Proposed events for the upcoming MES membership year are:

Date	Speaker Topic
Sep 17	Crab Feast/Meet-&-Greet at J. KING’S Restaurant
Oct 20	Dale E. Greenwalt
Nov 17	TBD Lecture
Feb 16	TBD Lecture
Mar 16	TBD Lecture
Apr 20	TBD Lecture
May 18	Members’ & Students’ Presentations & Elections
TBD	Survey/Field Trip

SUBMITTAL DEADLINES**NOV 2017 issue of the *Phaëton*:**

Please send member news items by 3 November 2017.

Send e-newsletter drafts to Aditi at aditid26@gmail.com and/or Hanna at hkahl@umd.edu.

SEP 2018 issue of *The Maryland Entomologist*:

Please send first drafts of articles and notes by 1 April 2018.

Send journal drafts to Gene at ejscarp@comcast.net.

TO A BUTTERFLY
By William Wordsworth

STAY near me---do not take thy flight!
A little longer stay in sight!
Much converse do I find I thee,
Historian of my infancy !
Float near me; do not yet depart!
Dead times revive in thee:
Thou bring'st, gay creature as thou art!
A solemn image to my heart,
My father's family!

Oh! pleasant, pleasant were the days,
The time, when, in our childish plays,
My sister Emmeline and I
Together chased the butterfly!
A very hunter did I rush
Upon the prey:---with leaps and spring
I followed on from brake to bush;
But she, God love her, feared to brush
The dust from off its wings.