



Phaëton

The Official Newsletter of the
Maryland Entomological Society

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MARYLAND ENTOMOLOGICAL SOCIETY FEBRUARY 2022 MEETING

Title: Coming soon to your neighborhood, get ready for spotted lanternfly

Speaker: Dr. Mike Raupp, Researcher, Professor Emeritus, Department of Entomology, University of Maryland College Park

Abstract: As part of a never-ending stream of invasive species arriving in the US, the spotted lanternfly is on the move in the eastern United States. Since it was first detected in Berks County, PA, in 2014, it has been found in thirteen counties in eastern Pennsylvania and in New York, Virginia, and Delaware. How spotted lanternfly arrived in the US is not entirely clear, but like many recent invaders this one is an excellent stowaway and likely arrived as an egg mass on a shipment of stone goods from Asia. This native of Asia is also invasive in Korea, Taiwan, and Vietnam. We will learn how to detect spotted lanternfly, key aspects of its seasonal phenology, what plants are at risk and damage associated with lanternfly feeding on shade and fruit trees. We will explore integrated approaches (IPM) to thwart this pest including mechanical, biological, and insecticidal tactics.



Speaker Bio: A Professor Emeritus and Fellow of the Entomological Society of America, Mike has authored more than 250 scientific and lay publications and delivered more than 1300 presentations. A regular guest on NPR, he has been featured on National Geographic and the Science Channel and appeared with media luminaries including Jay Leno, Dr. Oz, Hoda Kotb, and Kojo Nnamdi. His “Bug of the Week” website, www.bugoftheweek.com and YouTube channel <http://www.youtube.com/user/BugOfTheWeek> reach thousands of viewers weekly in more than 200 countries. His most recent book “26 Things that Bug Me” introduces youngsters to the wonders of insects and natural history while “Managing Insect and Mites on Woody Landscape Plants” is a standard for the arboricultural industry.

When: February 18th, 7:00 PM

Where:

<https://us02web.zoom.us/j/81885844669?pwd=NXd3Wno4UXVPWkdNMD0Vd2p0Uzd2QT09>

Meeting ID: 818 8584 4669

Passcode: 363500

Dial in: +1 301 715 8592 US (Washington DC)

WELCOME TO NEW MEMBERS

MES welcomes the following new members to the Society:

Thomas Hudson – Rockville, Maryland
Kathlyne Rog – Cambridge, Maryland

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*.

Frank E. Hanson
Thomas J. Henry
William O. Lamp
Heloise Morgan
Jennifer A. Selfridge
Andrew Sharp
Floyd W. Shockley
Brent W. Steury
M. Alma Solis & Jason P. W. Hall
James H. & Carol E. Trosper
James D. & Amy S. Young



**ENTOMOLOGICAL
SOCIETY OF AMERICA**
EASTERN BRANCH

MEETING POSTPONED DUE TO COVID-19

2022 EASTERN BRANCH MEETING

Sunday April 24th – Tuesday April 26th

The Bellevue Hotel
Philadelphia, Pennsylvania

Registration is now open! The deadline for advance registration rates and conference housing is March 25th.

The theme of the meeting is *Contribute/Collaborate/Connect*.

Starting in January, the City of Philadelphia is requiring proof of vaccination to eat indoors or attend events in city venues; this includes The Bellevue Hotel, host hotel of the meeting.

Find more information and register at
<https://www.entsoc.org/membership/branches/eastern/meeting>

**UNIVERSITY OF MARYLAND EXTENSION
WOODLAND STEWARDSHIP EDUCATION**

Wednesday, February 16th, 12 PM

Endangered or Threatened Species of Maryland
Cherry Keller, U.S. Fish & Wildlife Service

Join UMD Extension and the U.S. Fish & Wildlife Service to talk about the Endangered Species Act and endangered or threatened species of Maryland. Cherry Keller will talk about some of forest dwellers' habitat needs, common themes in protection guidelines among the species and how landowners can play a role in conservation.

To register, visit:
<https://www.eventbrite.com/e/2022-woodland-wildlife-wednesday-webinars-tickets-239276972867>



**CENTER FOR BEE ECOLOGY, EVOLUTION, AND
CONSERVATION: BEE BIOGEOGRAPHY AND
SYSTEMATICS TALKS**

Wednesday, February 23rd, 11 AM
When did bumblebees arrive in South America?
Dr. Paul Williams

Wednesday, March 30th, 11 AM
**Phylogeny and biogeography of cleptoparasitic nomadine
bees: Epeolini and Nomada**
Katherine Odanaka and Dr. Thomas Onuferko

For recordings of previous talks, visit:
<https://www.youtube.com/channel/UCB0ZDMNcqIJam-zHU-bLZA>

Find more information and register at:
<https://www.yorku.ca/bees/packer/>



THE MCGUIRE CENTER SEMINAR SERIES

Tuesday, February 22nd, 12 PM
**The ecology of caterpillars and their parasitoids in tropical
rainforests**
Vojtěch Novotný, Department of Zoology, University of
South Bohemia

Tuesday, March 15th, 12 PM
The butterflies of Honduras
Robert Gallardo, Pro Nature Honduras Foundation, 'Emerald
Valley', Honduras

Tuesday, March 29th, 12 PM
TBA
McGuire Center for Lepidoptera and Biodiversity, Florida
Museum of Natural History, University of Florida

For seminar schedule, zoom information and recordings of
previous lectures, visit:
<https://www.floridamuseum.ufl.edu/mcguire/events/>



SPRING 2022 SEMINAR SERIES

Thursday, March 3rd, 3 PM

Insecticide resistance in the German cockroach

Chow-Yang Lee, University of California, Riverside

Thursday, March 17th, 3 PM

Why and how *Aedes aegypti* mosquitoes selectively target humans

Lindy McBride, Princeton University

Thursday, March 24th, 3 PM

Social insect use of private and public information in foraging strategies

Christoph Grüter, University of Bristol, England

All seminars are scheduled for Thursday 3:00 – 4:00 P.M. All seminars will have a virtual component for people who want to participate virtually. If you are interested in attending these seminars virtually you may register [here](#) to receive the Zoom links and calendar reminders automatically.

Find more information and recordings of previous seminars at: <https://www.ento.vt.edu/seminar.html>



Wednesday, February 23rd, 7 PM via Zoom

Monarch Rx: Exploring a Little-Known Behavior of a Beloved Butterfly

Michael Boppré and Nancy Lawson



Most of us are well aware of the connection between monarch butterflies and milkweed. But did you know that adult monarchs sometimes visit dry or injured parts of certain plants to take up and store toxic chemicals called pyrrolizidine alkaloids (PAs)? PAs do not provide the butterflies

with food but contribute to their defense. Despite being poorly documented, this behavior must be of relevance in the life of monarchs, but it might be plastic—and most details are yet unknown. Until now, few people have observed or looked for this behavior in the U.S.

In the summer of 2019, a nature writer in Maryland, Nancy Lawson, began witnessing monarchs visiting dried and damaged leaves on boneset plants in her home habitat. Her outreach to Michael Boppré, a chemical ecologist in Germany who has studied relationships among pyrrolizidine alkaloids and insects, led to a paper in *Ecological Entomology* and a new citizen science project. Better understanding of this curious aspect of monarch biology could contribute to successful conservation, starting with field observations to learn which plants are used, under what conditions, by which sexes, for how long, and other aspects. Learn more about this fascinating and important behavior so you can help bridge the gaps in knowledge when you are out butterfly-ing this summer! The talk will focus on *Danaus plexippus*, but it will be put in the general framework of PA-pharmacophagy and include discussion of other milkweed butterflies (*Danaini*), clearwing butterflies (*Ithomiini*), arctiine moths (*Arctiini*), as well as other insects.

Find more information and register at:

<https://www.marylandnature.org/get-involved/events/event/monarch-rx-exploring-a-little-known-behavior-of-a-beloved-butterfly/>



This month we are offering a chance to win a Cretaceous fish fossil and a membership to NHSM!

As an NHSM Lifetime Membership (value \$750) member you will receive discounts on many of our programs—from lectures, workshops, and courses offered in our museum—to canoe trips, nature walks, and fossil hunts in the great outdoors.

PLUS

This month's raffle prize is a fossil fish, *Vinctifer comptoni*, a gar-like fish that lived during the Cretaceous.

The genus *Vinctifer* is known in the fossil record from the Late Jurassic (Kimmeridgian) to the Aptian stage of the Early Cretaceous epoch (age range: from 150.8 to 109.0 million years ago). In other words, this animal swam the seas while dinosaurs walked the earth. Specimens have been described from the Jurassic of Antarctica and the Cretaceous of Brazil, Mexico, and Venezuela.

This impressive specimen is a concretion from the Santana formation of Ceara Province in Brazil and is approximately 12 inches long. It provides an excellent view of the garfish-like scales and lateral line of *comptoni*. (*Vinctifer comptoni* is not related to gars but has some features similar to them.) This specimen is especially valuable because you get both the mold

and the cast of this fossil. The Araripe Basin locality in Brazil is world famous for fossils and was designated a UNESCO Global Geopark in 2006. This specimen would make a great display piece and addition to your collection.



In addition to the fossil, you will receive: *Santana Fossils: An Illustrated Atlas*. Edited by John G. Maisey and published in 1991, this is the definitive guide to the fossils of the Santana formation. It has 459 pages of great information and a lot of photographs. It makes a great coffee table book for the avid paleontologist!

Tickets are \$5 and buying more than one ticket increases your chances of winning. Only 1000 tickets will be sold to benefit the Natural History Society of Maryland. Cut-off date to be entered is February 28th, at noon.

Get more information and purchase your tickets [here](#).

2021/2022 PROPOSED MES EVENT SCHEDULE

Due to the COVID-19 pandemic, regular MES lecture/meetings are currently being held virtually on Zoom at 7:00 p.m. on the 3rd Friday of each of 6 months coinciding with UMBC’s academic year. Proposed events for the current MES membership year are:

Date	Speaker	Topic
Oct 15	Ted C. MacRae	Highlights from Nearly 20 Years of Chasing Tiger Beetles in Missouri
Nov 19	Ian Emanuel	Insect interactions with Jack-in-the-pulpit plants
Feb 18	Mike Raupp	Spotted Lanternfly
Mar 18	Bill Murphy	Tigers of the marsh: an overview of snail-killing flies (Diptera: Sciomyzidae)
Apr 15	TBA	TBA
May 22	Members Presentations	

OCT 2021-SEP 2022 MES MEMBERSHIP YEAR OFFICERS

President	Frederick Paras
Vice President	(vacant)
Secretary	Janet A. Lydon
Treasurer	Edgar A. Cohen, Jr.
Historian	(vacant)
Faculty Sponsor	Frank E. Hanson
Journal Editor	Eugene J. Scarpulla
E-newsletter Editor	Aditi Dubey

SUBMITTAL DEADLINES

March 2022 issue of the *Phaëton*:

Please send items by Sunday 13th March 2022 to Addie at aditid26@gmail.com.

September 2022 issue of *The Maryland Entomologist*:

Please send first drafts of articles and notes by 1st April 2022. Send drafts to Gene Scarpulla at ejscarp@comcast.net.

INSECT

by Annie Finch

That hour-glass-backed,
orchard-legged,
heavy-headed will,

paper-folded,
wedge-contorted,
savage—dense to kill—

pulls back on backward-moving,
arching
high legs still,

lowered through a deep, knees-reaching,
feathered down
green will,

antenna-honest,
thread-descending,
carpeted as if with skill,

a focus-changing,
sober-reaching,

tracing, killing will.