



Phaëton

The Official Newsletter of the
Maryland Entomological Society

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AQUATIC MACROINVERTEBRATES IN 3 PARTS WITH KEN BELT

When:

Day 1: Tuesday, September 27th, 7 PM to 9 PM, Online via Zoom

Day 2: Saturday, October 1st, 11 AM to 3 PM, In the field exploring streams

Day 3: Sunday, October 2nd, 12 PM to 4 PM, In the classroom using microscopy for ID

Those dragonflies and mayflies soaring through the air over a stream, got their start in a stream as an aquatic macroinvertebrate, small aquatic animals and the aquatic larval stages of insects. They include dragonfly and stonefly larvae, snails, worms, and beetles.

Often found attached to rocks, vegetation, logs and sticks or burrowed into the bottom sand and sediments, macroinvertebrates play important roles in stream ecology as nutrient cyclers and as food for upper levels of the food chain. They are also used by scientists to assess water quality. As a plus, they are just really cool.

In this 3-Part Workshop, led by stream ecologist, Ken Belt, you will learn about the life history of aquatic insects, role of these insects in freshwater aquatic ecosystems, and insect structure, morphology and adaptations. How the presence or absence of various species are indicators of water quality will also be covered. By the end of the workshop, you should be familiar with the common macroinvertebrate orders at a glance and have the taxonomic tools at your fingertips to identify whatever you may encounter including macroinvertebrates.org, an online identification tool for Common Freshwater Macroinvertebrates of Eastern North America.

Registration is \$125 for NHSM members and \$144 for non-members.

Find more information and register at:

<https://www.marylandnature.org/get-involved/events/event/aquatic-macroinvertebrates-in-3-parts-with-ken-belt/>



MES IS NOW ON YOUTUBE!

The Maryland Entomological Society now has a YouTube channel. featuring recordings of our meeting guest lectures. Additional recorded lectures will soon be added.

The recordings can be accessed at:

https://www.youtube.com/channel/UC_0ubQ3CcHV0VfT_7FIGqIQ

WELCOME TO NEW MEMBERS

MES welcomes the following new members to the Society:

Amy and Mike Rembold – Frederick, MD

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*.

David Adamski

Etienne Estrada

George H. Harman

Ethan, Amy, and Mike Rembold

**INVITATION TO SUBSCRIBE TO
THE ENTOMO-L LISTSERV**

If you like any topic related to entomology (*sensu lato*), consider subscribing to the Entomo-L listserv.

How?

- The easiest way is to email me: blayj@psu.edu and asked to be subscribed. I will do that manually.
- Indicate whether you want to receive an email whenever someone posts or receive a digest at the end of the day.

Sincerely,
Jorge

Jorge A. Santiago-Blay, PhD
Adjunct Lecturer in Biology
The Pennsylvania State University - York Campus
<https://naturalhistory.si.edu/staff/jorge-santiago-blay>

Moderator of Entomo-L: To subscribe, send an email to: listserv@lists.psu.edu. For further questions, please, email me.

To share ENTOMO-L with others, please have them email listserv@lists.psu.edu and in the body of the email put: "Subscribe Entomo-L Firstname Lastname" And no other text; omit any signature. The subject is optional, and if desired "Subscription" will work.

To unsubscribe from the ENTOMO-L list, click the following link: <https://lists.psu.edu/cgi-bin/wa?SUBED1=ENTOMO-L&A=1>.

**ROMA CBP AGRICULTURE SPECIALISTS
INTERCEPT FIRST IN NATION PEST IN
MAGUEY LEAVES**

Release Date Mon, 07/25/2022

ROMA, Texas – Agriculture Specialists with U.S. Customs and Border Protection, Office of Field Operations (OFO) at the Roma Port of Entry intercepted a "First in Nation" pest, a beetle found within maguey leaves.



A specimen of Acanthoderes funeraria Bates (Cerambycidae) a First in Nation pest interception realized by CBP agriculture specialists at Roma Port of Entry.

"Our frontline CBP agriculture specialists at Roma Port of Entry examine a significant amount of fresh produce shipments on a daily basis and their tenacity and dedication to the mission of safeguarding American agriculture led to their discovery of this first in nation pest interception," said Port Director Andres Guerra, Roma/Rio Grande City Port of Entry.

The interception occurred on July 18, 2022, at the Roma International Bridge during an examination of a tractor trailer hauling fresh vegetables. During an examination of maguey leaves, CBP agriculture specialists intercepted a beetle which was submitted for identification to a local U.S. Department of Agriculture area entomologist. On July 20, 2022, the initial pest identification was confirmed as *Acanthoderes funeraria* Bates (Cerambycidae), a First-in-Nation interception, by the U.S. Department of Agriculture's (USDA) Systematic Entomology Laboratory, Smithsonian Institution in Washington D.C. The shipment was refused entry and returned to Mexico.

Insects in the Cerambycidae family, also known as longhorn beetles, are known to feed on either wood materials or herbaceous plants, are considered invasive pests and may pose significant risk to the nation's agriculture.

More information regarding CBP's agriculture inspection mission may be found at this [link](#).



MARYLAND'S NATIVE BEES: WHERE TO FIND THEM, WHY WE NEED THEM

Speaker: Sam Droege, Patuxent Wildlife Research Center, USGS

*The live event is over, but you sign up to access a recording of the webinar.



Sweat bee *Augochloropsis metallica*.
(Credit: USGSBIML)

There are roughly 450 species of bees in Maryland. Their numbers and ranges are driven by their deep and often very specialized relationships with flowering plants. In this Earth Optimism webinar, biologist Sam Droege of the Patuxent Wildlife Research

Center will decode some of the patterns to those relationships, and how they shape where, when and how abundant bees are in the wild. They will also share some of the latest discoveries about these critical pollinators and offer suggestions for how you can support them in your backyard.

Sign up to watch the recorded webinar at:
<https://serc.si.edu/event/marylands-native-bees>.



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

Wednesday, August 31st, 11 AM

Systematics, biogeographical history, and evolution of floral associations in Eucerine bees (Apidae: Eucerini)

Achik Dorchin, Research Fellow, Mons University and the Royal Museum for Central Africa, Belgium & Felipe Freitas, Postdoctoral Researcher, Department of Biological Sciences, Universidade Estadual Paulista, Brazil

Wednesday, September 28th, 11 AM

Recent advances in *Lasioglossum* Systematics: Phylogeny, Taxonomy, and Classification

Dr. Jason Gibbs, Curator, J.B. Wallis/R.E. Roughley Museum of Entomology & Joel Gardner, PhD Candidate, University of Manitoba

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/>



LEP CLUB: BUTTERFLIES IN MARYLAND, COMMON, RARE AND UNIQUE

When: Wednesday, August 24th, 7:00 PM – 8:00 PM
Where: NHSM, 6908 Belair Rd, Baltimore, MD
AND Online via Zoom

There are around 17,500 species of butterflies in the world, 750 species in the United States, and Maryland plays home to over 150 species of butterflies and skippers. At the August meeting of the NHSM Lep Club, Robert Gardner will help you get a better understanding of the scope and breadth of these winged beauties through his personal collections, tell you where you might find them, and answer questions. As is typical for this time of year, the meeting will include a caterpillar and plant swap. Bring some to share.

Robert Gardener has been collecting for a major part of 65 of my 75 years. Robert is retired and a Vietnam Veteran. While serving, Robert collected and sent home moths and butterflies from the front lines. He has also collected in Colorado, extensively in the southwest, mid-Atlantic, north east and extensively in Minnesota and Iowa. Robert has 2 children and 8 grandchildren and lives with his wife in Whitmarsh.

Find more information and register at:
<https://www.marylandnature.org/get-involved/events/event/butterflies-in-maryland-common-rare-and-unique-online-and-in-person/>



CAN A NON-NATIVE MILKWEED HELP MONARCH POPULATIONS?

When: Wednesday, September 28th, 7:00 PM – 8:00 PM
Where: NHSM, 6908 Belair Rd, Baltimore, MD
AND Online via Zoom

Owing to the overwhelming evidence that some nonnative species can wreak havoc on native ecosystems, it's not surprising that conservationists often follow an inflexible dichotomy: native equals good and nonnative equals bad. However, there are other theories and opinions that argue

some nonnatives provide beneficial ecological functions that should not be ignored especially in our human altered natural world.



Donna Thompson in Harford County counts herself among this group. She is on a mission to help the monarchs. Starting with the traditional suite of host plants, Donna’s efforts were yielding minimal results. However, when she planted the milkweed native to New Zealand, which is an annual species in Maryland, the monarchs couldn’t get enough. Let’s not forget that the honeybee is not native to North America, or black-eyed Susans native to Maryland, though they are the state flower.

In a paper published in Conservation Biology, Scientists argue for recognizing the ecological value of some introduced species. “We predict the proportion of non-native species that are viewed as benign or even desirable will slowly increase over time,” they write. They stress that they are not calling for every introduced species to be protected, or even tolerated. Instead, they hope the conservation community will at least consider the possibility that introduced species can do some good.

Many people disagree.

And that is OK. So let’s discuss, and learn more.

Find more information and register at:

<https://www.marylandnature.org/get-involved/events/event/can-a-non-native-milkweed-help-monarch-populations/>



NHSM AUGUST 2022 RAFFLE

This month we are offering a guided fossil trip and a lifetime 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 we are raffling a personalized one day guided fossil hunting trip for a Covid-19 compatible group (presume one family/one car) to a restricted access beach in Calvert County, Maryland. This site is known for an abundance of Miocene Calvert Formation fossils, in particular a large variety of teeth and shells. Large Otodus (Carcharodon/Carcharocles) megalodon teeth (megs) have been found at this site, along with fossils and teeth from whales, dolphins, rays and many other sharks.



We will provide directions and meet you at the site. Parking space is limited and restricted on this private property, hence the one car limit.

The trip will take place on a mutually agreed upon Summer/Fall 2022 weekend day when all parties are available and when the tides are low and hopefully the weather cooperates.

You can keep what you find, and we promise a unique fun and educational experience. As a bonus, we will probably see Osprey and maybe a Bald Eagle. No extra charge!

Tickets are \$5 and buying more than one ticket increases your chances of winning. Tickets will be sold to benefit the Natural History Society of Maryland. Cut-off date to be entered is August 31st at midnight.

Get more information and purchase your tickets at:

<https://www.marylandnature.org/get-involved/raffle/>

2022/2023 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 21	TBA	TBA
Nov 18	TBA	TBA
Feb 17	TBA	TBA
Mar 17	TBA	TBA
Apr 21	TBA	TBA
May 19	TBA	TBA

**OCT 2022-SEP 2023 MES MEMBERSHIP YEAR
OFFICERS**

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

SUBMITTAL DEADLINES

September 2022 issue of the Phaëton:

Please send items by Sunday, 11 September 2022 to Addie at aditid26@gmail.com .

September 2023 issue of The Maryland Entomologist:

Please send first drafts of articles and notes by 1 April 2023.
Send drafts to Gene Scarpulla at ejscarp@comcast.net .

FIREFLIES
by Edgar Fawcett

I saw, one sultry night above a swamp,
The darkness throbbing with their golden pomp!
And long my dazzled sight did they entrance
With the weird chaos of their dizzy dance!
Quicker than yellow leaves, when gales despoil,
Quivered the brilliance of their mute turmoil,
Within whose light was intricately blent
Perpetual rise, perpetual descent.
As though their scintillant flickerings had met
In the vague meshes of some airy net!
And now mysteriously I seemed to guess,
While watching their tumultuous loveliness,
What fervor of deep passion strangely thrives
In the warm richness of these tropic lives,
Whose wings can never tremble but they show
These hearts of living fire that beat below!