



Phaëton

The Official Newsletter of the
Maryland Entomological Society

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HOWARD COUNTY CONSERVANCY WINE IN THE GARDEN, BEER IN THE BARN



When: Thursday, September 23rd, 5 – 8 PM

Where: Mt Pleasant, 10520 Old Frederick Road
Woodstock, MD 21163

Join community members and leaders at the 14th annual Wine in the Garden, Beer in the Barn to celebrate and support the environmental and preservation programs of the Howard County Conservancy. Stroll through the garden enjoying fine wine, craft beer and non-alcoholic refreshments. Sample delicious food from local restaurants and caterers and explore our native plant garden. Enjoy live bluegrass music while perusing our silent auction and raffle items featuring artwork, getaways, and more!

Early Bird Tickets: \$50 / Tickets after September 2nd \$60

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

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*.

Timothy M. McMahon

CBP AGRICULTURE SPECIALISTS IN PHARR INTERCEPT RARE PEST, A FIRST IN THE NATION DISCOVERY

Release Date: August 3, 2021

PHARR, Texas – U.S. Customs and Border Protection agriculture specialists at the Pharr International Bridge discovered a rare pest, a first in nation discovery, in a shipment of fresh vegetables.

“Our agriculture specialists help protect American agriculture and contribute to the nation’s economic security by denying entry to invasive species not known to exist in the U.S.” said Port Director Carlos Rodriguez, Hidalgo/Pharr/Anzalduas Port of Entry.



A specimen of Cyclocephala forcipulata, a first in nation pest interception made by CBP agriculture specialists at Pharr International Bridge within boxes of jackfruit.

On July 7, 2021, CBP agriculture specialists at the Pharr cargo facility conducted an inspection on a commercial shipment of fresh vegetables arriving from Mexico, which resulted in the discovery of a live pest within boxes of jackfruit. The insect was submitted for identification to a U.S. Department of Agriculture entomology laboratory and the initial identification was later confirmed as *Cyclocephala forcipulata*. *C. forcipulata* (Scarabaeidae) is a species that belongs to the scarab beetle family that is found in Mexico. Scarab pests can cause agricultural and economic damage as their larvae eat plant roots and adults feed on their aerial parts of plants. The shipment was refused entry and returned to Mexico.

According to USDA entomologists, this pest has never been found at any of the nation’s ports of entry. CBP refused entry to the shipment and returned it back to Mexico.

CBP AGRICULTURE SPECIALISTS IN PHARR INTERCEPT RARE PEST, A FIRST IN THE NATION DISCOVERY

Release Date: August 3, 2021

BROWNSVILLE, Texas — Agriculture Specialists with U.S. Customs and Border Protection, Office of Field Operations (OFO) at the Veterans International Bridge import cargo lot intercepted a rare “First in Nation” pest in a shipment of flowers.

“The work performed by our CBP agriculture specialists is an important element in safeguarding our nation’s agriculture by preventing the entry of pests and animal and plant diseases not known to exist in the U.S.,” said Port Director Tater Ortiz, Brownsville Port of Entry.



A specimen of Alampyris fuliginea Bates, 1881 (Cerambycidae) a first in nation pest interception by CBP agriculture specialists at Brownsville Port of Entry.

The interception occurred on June 9, at the Veterans International Bridge import lot when a commercial shipment of cut flowers was referred to secondary for an agriculture examination. Upon inspection of the Aster sp. cut flowers, CBP agriculture specialists intercepted the pest which was submitted for identification to a local U.S. Department of Agriculture area entomologist. The initial identification was later confirmed by a national specialist as *Alampyris fuliginea* Bates, 1881 (Cerambycidae) a quarantine significant pest requiring phytosanitary action.

On July 28, the initial identification of the pest found was confirmed by a National Specialist with USDA Animal and Plant Health Services (APHIS), Plant Pest Quarantine (PPQ) National Identification Services (NIS) as a First-in-Nation interception.

Given the quarantine status of *A. fuliginea*, the shipment of flowers was re-exported as a precautionary measure.



ENTOMOLOGICAL SOCIETY OF WASHINGTON ANNUAL BANQUET

The banquet will take place at Woodend Nature Sanctuary & Mansion on Thursday, September 9th, with refreshments, dinner, and the presentation taking place in the tented terrace and portico. For indoor areas, we will be following the new CDC indoor masking requirement regardless of vaccination status.

Lourdes Chamorro has arranged a great speaker—Dr. Doug Tallamy, Professor, Department of Entomology and Wildlife Ecology, University of Delaware. Dr. Tallamy will present “A Guide to Restoring the Little Things that Run the World.” We hope you can join us in person or via Zoom (details for Zoom will be sent subsequently). Additional details can be found in the attached flyer.

Allen L. Norrbom
Program Chair
Entomological Society of Washington

BEECON 2021!! VIRTUAL CONFERENCE

The Centre for Bee Ecology, Evolution and Conservation (BEEc) at York University, Toronto, Ontario, invites researchers, students and interested members of the public to a one-day virtual conference – BeeCon 2021!!

Historically, BeeCon was an opportunity for southern Ontario bee researchers to connect and share their findings with their peers. The shift to a virtual platform in 2020, allowed us to connect with close to 300 bee researchers from 18 countries! Planning for BeeCon 2021 is currently underway and we wanted to take a moment to share this upcoming event with you - Dr. Shalene Jha, Associate Professor in the Department of Integrative Biology at the University of Texas, Austin will be joining us as our keynote speaker.

As with last year, this year's event will be virtual and we are excited to take this opportunity to connect with a broader group of local and international bee researchers! Up-to-date information, a link to register, and abstract submissions can all be found at <https://www.yorku.ca/bees/beecon-2021/>. We would love to see learn more about your research!

YOUNG ENTOMOLOGIST GROUP SCHEDULE FOR SEPTEMBER 2021

In September, YEGers will have an opportunity to travel to **Black Hill Regional Park in Boyds, MD** and participate in **Monarch Fiesta**. This outdoors opportunity will be spread over a three-week period. See below.

Saturday, Sept. 04: 10:00 AM - 3:00 PM

Saturday, Sept. 11: 11:30 AM - 3:30 PM

Saturday, Sept. 18: 11:30 AM - 3:30 PM

While the Black Hill Regional Park staff manage activities on tagging monarch butterflies, Elmore Brown, Dana De Roche, Megan Mc Carty, and Dr. David Adamski will be giving field trips to the teaching meadow where we will be observing insects and spiders found in natural settings. Come to one event or come to all. Everyone is welcome. This is a non-collecting activity. **Find directions to the park by Googling, "Black Hill Regional Park, Boyds, MD."**

Questions???? call (202.812.0527) or email (adamskid@si.edu) Dr. David Adamski

HISTORICAL BEE BOOKS AVAILABLE ONLINE

Three historical bee books can again all be accessed online:

The Bee Genera of North and Central America (Hymenoptera: Apoidea)

Charles D. Michener, Ronald J. McGinley, and Bryan N. Danforth (1994)

https://www.zportman.com/uploads/8/3/5/4/83540892/michener_et_al._1994_-_the_bee_genera_of_north_and_central_america_hymenoptera_apoidea.pdf

Bees of the Eastern United States (Volumes I and II)

Theodore B. Mitchell (1960 and 1962)

<https://projects.ncsu.edu/cals/entomology/museum/easternBees.php>

The Bees of the World (Second Edition)

Charles D. Michener (2007)

<https://static1.squarespace.com/static/5a849d4c8dd041c9c07a8e4c/t/5ad3bc968a922d44a4728936/1523825933048/Michener+2007+The+Bees+of+the+World.pdf>

NEW CITIZEN-SCIENCE PROJECT EXPLORES LITTLE-KNOWN BEHAVIOR IN MONARCH BUTTERFLIES

Maryland gardener and nature writer Nancy Lawson is featured in the 27 July 2021 issue of Entomology Today.

Think you know monarch butterflies? Think again! A gardener's observation has spurred a new study examining how and when monarchs feed on plants rich in compounds known as pyrrolizidine alkaloids. Surprisingly little is known about the behavior, and researchers are asking citizen scientists for help to learn more. Find the full story at:

<https://entomologytoday.org/2021/07/27/citizen-science-little-known-behavior-monarch-butterflies-pyrrolizidine-alkaloids/>

THE 2021 BROOD X CICADA EMERGENCE: A RECAP

When the world's largest brood of 17-year periodical cicadas rose from the ground in spring 2021, the eastern U.S. (and beyond) was ready. Half a million crowdsourced observations later, the entomologists who followed the Brood X 2021 emergence reflect on the experience. Four of the five entomologists featured in this post are current MES members. The full story can be accessed at:

<https://entomologytoday.org/2021/08/12/2021-brood-x-periodical-cicada-emergence-recap/>



THE BEE SHORT COURSE FOR COMMUNITY SCIENTISTS



Join fellow bee fans for this free monthly webinar series. We'll explore the world of bees and learn together from bee experts to build skills as community scientists. Whether you're a seasoned wild bee volunteer or just beginning your bee journey, the skills learned in this series will prepare you to help our threatened pollinators.

All sessions are from 10 - 11:00AM EST on the third Friday of the month, May - November 2021

August 20: Heather Holm, author and biologist
"Insect Photography and Using iNaturalist to Observe and Document Wild Bees"

September 17: Sam Droege, USGS Native Bee Lab
"Tips and Tricks from The Handy Bee Manual"

October 15: Mary Gardiner, The Ohio State University
"Contributions of Community Science to Entomology: Benefits for People and Nature"

November 19: Molly Martin, Bee City USA/Xerces Society
"From Community Science to Advocacy in Action: Case

Studies in Conservation"

This is a collaborative effort from: OSU Department of Entomology, The Chadwick Arboretum and Learning Gardens, and The US National Native Bee Monitoring Research Coordination Network (RCN).

Find more information and register [here](#).



PHOTOGRAPHING BUTTERFLIES AND MOTHS: TIPS AND TRICKS

NHSM Lep Club – August Meeting – Open to All

When: Wednesday, August 25, 2021, 7 – 8 PM on Zoom

Butterfly and moth photography can be challenging. We'll look at photographic equipment including phones, point-and-shoot cameras and DSLRs, and discuss techniques for getting better pictures.



Judy's Flickr Page:

<https://www.flickr.com/people/52450054@N04/>

Jud Gallagher loves insects and spiders and spends a lot of time documenting them with her camera and macro lens. She learned butterflies under the expert tutelage of Rick Borchelt, and participates in Audubon Society of Northern Virginia's regularly scheduled butterfly surveys. Judy is a Certified Master Naturalist and a charter member of the Prince William Wildflower Society. She has a Certificate in Natural History Field Studies from Audubon Naturalist Society.

Find more information and register [here](#).



MOTH FRIENDLY MOON GARDENS WITH MARYLAND NATIVES

When: Wednesday, September 12, 2021, 7 – 8 PM



Moon gardens are specially designed to be enjoyed on balmy summer nights in the light of the moon. They focus on light-colored flowers and foliage, and are often intended to attract nocturnal creatures, such as frogs, moths, and bats. Friend of NHSM Jane Marlow will help us understand the importance of moon gardens and provide design tips including an introduction to Maryland native plants that moths will moon over.

Jane Marlow has worked in education and animal care at the Maryland Zoo, National Aquarium, and Baltimore County Parks, totaling over 15 years experience in professional animal care and wildlife education. She is currently pursuing her Masters in Animal Behavior Analysis and is a certified trainer through the IAATE's International Animal Trainer Certification Board. Ms. Marlow has taught animal behavior classes for a variety of organizations, including the Maryland SPCA, Baltimore County Animal Services, Maryland Master Naturalists, and the Baltimore Bird Fanciers. She is an avid native gardener and has maintained a Bay-Wise-certified property for the past 7 years.

Find more information and register [here](#).



NHSM AUGUST 2021 RAFFLE

This month we are offering a Megalodon tooth 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 genuine fossil Megalodon Tooth from Calvert Beach on the Chesapeake Bay valued at \$500! And as usual, you also receive a free lifetime membership to the Natural History Society of Maryland.



Every fossil collection needs a killer Megalodon tooth (pun intended). Maybe you know this shark tooth from its previous designation as *Carcharodon* or *Carcharocles*. This 4" Anterior Upper Jaw Megalodon Shark tooth from Calvert Beach in Calvert Co. Maryland represents the transition from *Otodus chubutensis* (one side has a serrated cusp) to *Otodus megalodon* (no cusp but full serrations) on the other side. This is a great example of a tooth from a Megatooth shark that was

probably 40 to 45 feet long and was the Apex predator of its time, which was 10-15 million years ago during the Miocene epoch. At just over 4 inches on the longest slant, this tooth is at the large end of the spectrum for a Maryland Megalodon. The enamel, serrations, bourlette, and root of this tooth are in excellent condition and have a distinctive Maryland blue-green coloration.

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 August 31, 2021, 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	Fred Paras	The Effects of Climate Change on Butterfly Populations
Nov 19	Dr. David Adamski	TBA
Feb 18	TBA	TBA
Mar 18	TBA	TBA
Apr 15	TBA	TBA
May 22	Members Presentations	

OCT 2020-SEP 2021 MES MEMBERSHIP YEAR OFFICERS

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

SUBMITTAL DEADLINES

September 2021 issue of the *Phaëton*:

Please send member news items by 12th September 2021.

Send e-newsletter drafts to Addie at aditid26@gmail.com.

THE HOST

By Imtiaz Dharker

While I have been away the fruit flies
have moved in with their extended family
and rise politely off a feast of black
banana skin to welcome me home. I swat
and slap, but they just laugh on the updraft
of my flapping, batting hands.

The banana gone, I open a window,
hoping they will make off to some other repast
but they post a halo round my head,
two hundred wingbeats to a second, hatched
with a brain far quicker than mine. At my desk,
I am possessed, follow the threads for evidence

of pestilence, the death of civilisations
by Zebub, Arob, all the dust of Egypt
turned to gnats that torment livestock, squat
on ruined crop, rotted fish and frog.
In the face of this invasion, I am
an avenger sent to stop a plague,

enter Kill Fruit Flies, study the traps, fill
a glass jar with cider vinegar, stir in sugar,
cover with cunning cling-film, pierce and wait,
and they come, hover like decorous guests
at a table, perch on the rim. I watch them drown
one by one, then return to my desk. But just

as I begin to write, one rises up at the edge
of my sight like the helicopter in North
by Northwest. I spin back into battle, set
the trap again, more delicious, more sugar, more
stealth. It sits on the lip, licks at the cling-film,
sips. I strike. It dies a vinegar death.

Through the rest of the day I revisit the site.
No sign of return. The next morning no-one
is there, the jar untouched, my table bare
in the desolate kitchen. I try to work but keep
coming back to stand like an expectant host
waiting to welcome the guest I miss.