



# Phaëton

The Official Newsletter of the  
Maryland Entomological Society

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FACULTY SPONSOR: **Frank E. Hanson**  
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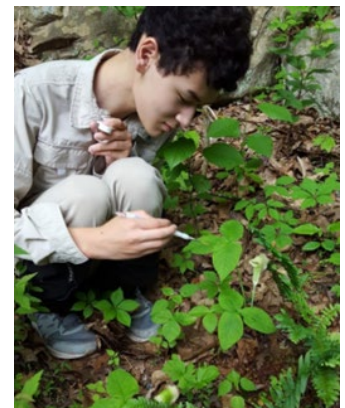
## MARYLAND ENTOMOLOGICAL SOCIETY NOVEMBER 2021 MEETING

**Title: Insects Associated with Jack-in-the-Pulpit**  
**Speaker: Ian Emanuel**



**Abstract:** This three-year study summarizes samples and observations of Arthropod interactions with jack-in-the-pulpit, *Arisema triphyllum* (L.) (Araceae), within a Springtime understory in a mature growth forest in the Appalachian foothills of western Maryland. Graphs of families of insects and their total numbers sampled closely approximated expectations derived from asymptotic species abundance curve. The Diptera were the most abundant order of insects that visit flowers within the spathes of *A. triphyllum* and the Nematocera were the most abundant dipteran taxa associated with this herbal plant. Other orders of insects that visited flowers of *A. triphyllum* to a lesser extent include: Hemiptera, Coleoptera, Hymenoptera, Thysanoptera, Psocoptera, Lepidoptera, and Orthoptera. In addition, two families of Collembola (Hexapoda), Sminthuridae and Entomobryidae, were found within the spathes of *A. triphyllum*. In addition, twelve families of Araneae were observed utilizing the plant morphology of jack-in-the-pulpits to hunt insects by making webs or by ambush.

**Speaker Bio:** Ian is a college freshman with a strong interest in the natural world. He has been exploring forests, fields, and streams for as long as he can remember. He is currently attending Frederick Community College and plans to major in environmental science. He is a member of the Young Entomologist Group and has been working on this internship project with Dr. David Adamski for three years.



**When: Friday, November 19<sup>th</sup>, 7:00 PM**

**Where:** <https://us02web.zoom.us/j/89187009015?pwd=QWY5WVllYVgxbi9FWDBpT1pyN0s3Zz09>

Meeting ID: 891 8700 9015

Passcode: 141528

Dial in: +1 301 715 8592, \*770721# US (Washington DC)

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**OBITUARY**  
**BARBARA HANSON**

It is with great sadness we inform you that Barbara Hanson, beloved wife of Dr. Frank Hanson, passed away on October 10, 2021. Dr. Hanson is Professor Emeritus in the Department of Biological Sciences at the University of Maryland Baltimore County (UMBC). He is a longtime member of the Maryland Entomological Society (MES) and is the Society's faculty sponsor at UMBC.

Barbara Hanson was a microbiologist, an accomplished researcher, and a devoted mother and grandmother. On behalf of MES, we extend our condolences to Dr. Hanson and his family and wish them peace and fortitude during this difficult time. Donations in Barbara Hanson's memory can be made to the Maryland Food Bank (<https://mdfoodbank.org/>) or Doctors Without Borders (<https://www.doctorswithoutborders.org/>).

Respectfully submitted, Fred Paras – President MES

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**\*\*\*DON'T FORGET TO RENEW\*\*\***  
**\*\*\*IT'S MES MEMBERSHIP RENEWAL TIME\*\***  
**OCT 2021 – SEP 2022 MEMBERSHIP YEAR**

Membership renewal forms were inserted in the front of the September 2021 issue of *The Maryland Entomologist* that was mailed out in September. If the date on your address label reads 2021, it is time for you to renew for the "October 2021 – September 2022" membership year. Please check that your contact information is correct and return the form along with your check (made out to Maryland Entomological Society) to: Edgar A. Cohen, Jr. (MES Treasurer), 5454 Marsh Hawk Way, Columbia, MD 21045. The renewal form can also be found [here](#).

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**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*.

**Gary F. Hevel**

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**YOUNG ENTOMOLOGIST GROUP**  
**DECEMBER MEETING**

**When: Saturday, December 4<sup>th</sup>, 2 – 5 PM on Zoom**  
**Where: Montgomery County Multi-Agency Service Park (MASP) Building, 8301 Turkey Thicket Drive, Gaithersburg, MD 20879**

The YEG December meeting will feature Dr. Ronald Ochoa: Systematic Entomology Laboratory, USDA; Beltsville Agricultural Research Center; Beltsville, MD, as our guest speaker. He will give us a unique view of the smallest arachnids in the world. Many are parasitic on vertebrates, and many are major pests on important crops throughout the world.

\*After Dr. Ochoa's presentation we will recognize some parents, recent presenters, and mentors.

**Directions to the MASP Building from I-270:**

\*Merge onto I-270 Spur N via EXIT 38 on the left toward Rockville/Frederick.

\*I-270 Spur N becomes I-270 N.

\*Keep left to take I-270 (EXPRESS) N.

\*Merge onto I-270 (LOCAL) N via EXIT 10-11 toward MD-117/Quince Orchard Rd/MD-124/W Diamond Ave/Clopper Rd/Montgomery Village Ave.

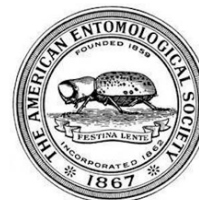
\*Merge onto Montgomery Village Ave/MD-124 N via EXIT 11.

\*Turn right onto Mid County Hwy/MD-124.

\*Turn left onto Goshen Rd.

\*Turn right onto Snouffer School Road

\*Turn left onto Turkey Thicket Drive and proceed to parking garage on the left at Building A



**AMERICAN ENTOMOLOGICAL SOCIETY**  
**NOVEMBER MEETING**

**When: Wednesday, November 17<sup>th</sup>, 4 PM on Zoom**  
**Topic: Mary Treat: Entomologist Extraordinaire**

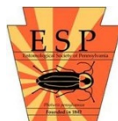


*Entomologist Mary Treat*  
(1830-1923)

Writer Deborah Boerner Ein offers a sneak peek at her Mary Treat biography, *Dear Mrs. Treat: Life and Letters of a 19th Century Scientist*, with a special emphasis on Treat's entomological research and writings. Mary Treat corresponded with Charles Darwin as they both studied insectivorous plants, but her correspondence with entomologists—Benjamin D. Walsh, Charles V. Riley, Auguste Forel, Henry McCook, and others—gives us a broader, more accurate view of Mary Treat's life and work in the natural sciences.

Find more information at  
<https://americanentomologicalsociety.org/meetings/>.

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### ENTOMOLOGICAL SOCIETY OF PENNSYLVANIA ANNUAL MEETING

The 2021 ESP Annual Meeting will be on Saturday, 20 November 2021 from 8am-3pm and will be virtual via Zoom. Our guest speaker will be entomologist and author Eric Eaton. He will be presenting material from his newest book, [Wasps: The Astonishing Diversity of a Misunderstood Insect: Eaton, Eric R.: 9780691211428: Amazon.com: Books](#). You can register for the meeting by sending in the attached form or you can sign up electronically using the ESP website, [2021 ESP Annual Meeting \(entsocpa.org\)](#). The schedule of speakers will be announced shortly. It's \$5 to attend and \$8 for 1 year of membership. If you are presenting, there is no cost.

Let me know if you have any questions and please, feel free to share this information with anyone that might be interested.

Thanks,  
Mark Swartz, ESP President  
[markswartz@pa.gov](mailto:markswartz@pa.gov)

**Monday, November 29<sup>th</sup>**  
**Honeybees in the city**  
Reed Johnson, The Ohio State University

**Tuesday, November 30<sup>th</sup>**  
**The city as a refuge for insect pollinators**  
Gerardo Camilo, St. Louis University

**Wednesday, December 1<sup>st</sup>**  
**Vacant lots as urban bee habitat**  
Mary Gardiner, The Ohio State University

**Thursday, December 2<sup>nd</sup>**  
**Constructed green infrastructure to support wild bees: does it work?**  
Scott MacIvor, University of Toronto

**Friday, December 3<sup>rd</sup>**  
**Policy dimensions of insect pollinator conservation**  
Damon Hall, University of Missouri

All sessions will be recorded and posted at:  
<https://u.osu.edu/certify/pollinators-in-the-city-speaker-series/>

To register, visit:  
[https://osu.zoom.us/webinar/register/WN\\_TwV9ffFjTee60l6MlrefJw](https://osu.zoom.us/webinar/register/WN_TwV9ffFjTee60l6MlrefJw)



### DEPARTMENT OF ENTOMOLOGY COLLOQUIA

**Friday, November 19<sup>th</sup>, 2021, 12:00 p.m.**  
**Ecology and evolution of species interactions: insights from insect herbivores and a synthetic mutualism**  
Dr. Mayra Vidal, Assistant Professor, University of Massachusetts Boston

**Friday, December 3<sup>rd</sup>, 2021, 12:00 p.m.**  
**The new view of bee phylogeny**  
Dr. Bryan Danforth, Professor, Department of Entomology, Cornell University

**Friday, December 10<sup>th</sup>, 2021, 12:00 p.m.**  
**Exit Seminar**  
Lisa Kuder, vanEngelsdorp Lab, Department of Entomology, University of Maryland College Park

For additional information, go to:  
<http://entomology.umd.edu/seminar-schedule.html>



### POLLINATORS IN THE CITY

Sessions will be held daily from Monday, November 29<sup>th</sup> to Friday December 3<sup>rd</sup> at 10 AM



### PENN STATE VIRTUAL WASP ID COURSE

**When: January 3<sup>rd</sup> – 14<sup>th</sup>, 2022**  
**Course takes place on the Monday, Wednesday, and Friday of each week. Lectures are between 10:00 a.m. and 4:00 p.m. EST and lab is between 6:00 p.m. and 8:00 p.m. EST.**

The course will be an interactive combination of asynchronous lectures and synchronous workshops that will provide practical knowledge for the research and identification of wasps (the order Hymenoptera excluding sawflies, bees, and ants). Attendance will enable individuals to identify adult wasp specimens to the superfamily and family levels, collect and curate wasp specimens using current museum collections standards, and to communicate about wasp biodiversity in the context of systematics, the branch of science dealing with organismal classification based on evolutionary relationships. The course is aimed toward anyone with a basic understanding of insects, and will be designed to accommodate amateurs, learning identification methods and taxonomy as they apply to wasps.

Anyone with an interest in wasps is welcome! A basic understanding of entomology is recommended but is not required. Individuals with prior experience in morphology and taxonomy will be especially well-equipped. The course is



specifically designed with students, amateurs, and practical entomologists in mind and is meant to be generally accessible for individuals in those and other groups. The course will be delivered via a combination of asynchronous recorded lectures and synchronous activities via Zoom, including presentations, discussions, and interactive workshops.

**Fees: \$60 standard and \$45 student**  
**Registration Deadline: December 31<sup>st</sup>**

Find more information and register at:  
<https://web.event.com/event/b13a6a6a-6bfb-4fdf-bc53-6c8e45aa6cbf/summary>



**THE MCGUIRE CENTER SEMINAR SERIES –  
EXPANDING HORIZONS IN LEPIDOPTERA  
RESEARCH**

**Tuesday, November 16<sup>th</sup>, 12 PM**  
**Convergent evolution in butterflies: from chemicals to  
colour patterns**

Chris Jiggins, Department of Zoology, University of  
Cambridge

**Tuesday, November 30<sup>th</sup>, 12 PM**  
**TBA**

Chase Kimmel, McGuire Center for Lepidoptera and  
Biodiversity, Florida Museum of Natural History, University  
of Florida

**Tuesday, December 7<sup>th</sup>, 12 PM**  
**Seventy-one years with Lepidoptera**

Chase Kimmel, 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/>



**UPCOMING EVENTS**

**Wednesday, November 24<sup>th</sup>, 7 PM**  
**Butterfly or moth, with lookalikes how do you know**  
Fred Paraskevoudakis, President, Maryland Entomological  
Society.

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

**Thursday, December 2<sup>nd</sup>, 7 PM**  
**Daddy long legs: the art and natural history of the  
marvelously misunderstood Opiliones**  
Dr. Mercedes Burns, University of Maryland, Baltimore  
County

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

**Thursday, December 9<sup>th</sup>, 7 PM**  
**Coming soon to your neighborhood, get ready for spotted  
lanternfly**  
Dr. Mike Raupp, University of Maryland, College Park

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



**NHSM NOVEMBER 2021 RAFFLE**

This month we are offering a chance to win three dinosaur  
trace fossils 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 some truly cool trace fossils: a  
genuine dinosaur footprint and two dinosaur coprolites!



Every child has a fascination with dinosaurs and for some of  
us that fascination sticks with us for the rest of our lives.  
Childhood books brought us back millions of years to a time  
when huge reptiles roamed the earth. Of course, our  
knowledge of these creatures has changed tremendously over  
the decades, but the fascination remains.

These three fossils are trace fossils – fossils that provide us with indirect evidence of past life. These include footprints, tracks, burrows, feces, and other “traces” that the animal left behind.

The dinosaur track is a fossilized footprint, also known as an ichnite. It was found in Grallator, N.J. in the Late Triassic Passaic formation, which is 219 to 201 million years old. It was made by a theropod, a carnivorous dinosaur that was typically bipedal. How many of your friends can boast they have their own dinosaur track!

The two coprolites are from the Morrison formation of the Jurassic, which is 156 to 146 million years old. This formation is found in western Colorado through eastern Utah. Coprolites are feces that were fossilized – yes, actual dinosaur poop!

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 November 30<sup>th</sup>, 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	TBA	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	TBA	TBA
Mar 18	TBA	TBA
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**

December 2021 issue of the Phaëton:  
Please send items by Sunday 12<sup>th</sup> December 2021 to Addie at [aditid26@gmail.com](mailto:aditid26@gmail.com).

September 2022 issue of The Maryland Entomologist:  
Please send first drafts of articles and notes by 1<sup>st</sup> April 2022.  
Send drafts to Gene Scarpulla at [ejscarp@comcast.net](mailto:ejscarp@comcast.net).

**THE BUTTERFLY’S BALL AND THE GRASSHOPPER’S FEAST**  
by William Roscoe

Come take up your Hats, and away let us haste  
To the Butterfly's Ball, and the Grasshopper's Feast.  
The Trumpeter, Gad-fly, has summon'd the Crew,  
And the Revels are now only waiting for you.

So said little Robert, and pacing along,  
His merry Companions came forth in a Throng.  
And on the smooth Grass, by the side of a Wood,  
Beneath a broad Oak that for Ages had stood,

Saw the Children of Earth, and the Tenants of Air,  
For an Evening's Amusement together repair.  
And there came the Beetle, so blind and so black,  
Who carried the Emmet, his Friend, on his Back.

And there was the Gnat and the Dragon-fly too,  
With all their Relations, Green, Orange, and Blue.  
And there came the Moth, with his Plumage of Down,  
And the Hornet in Jacket of Yellow and Brown;

Who with him the Wasp, his Companion, did bring,  
But they promis'd, that Evening, to lay by their Sting.  
And the sly little Dormouse crept out of his Hole,  
And brought to the Feast his blind Brother, the Mole.

And the Snail, with his Horns peeping out of his Shell,  
Came from a great Distance, the Length of an Ell.  
A Mushroom their Table, and on it was laid  
A Water-dock Leaf, which a Table-cloth made.

The Viands were various, to each of their Taste,  
And the Bee brought her Honey to crown the Repast.  
Then close on his Haunches, so solemn and wise,  
The Frog from a Corner, look'd up to the Skies.

And the Squirrel well pleas'd such Diversions to see,  
Mounted high over Head, and look'd down from a Tree.  
Then out came the Spider, with Finger so fine,  
To shew his Dexterity on the tight Line.

From one Branch to another, his Cobwebs he slung,  
Then quick as an Arrow he darted along,  
But just in the Middle, -- Oh! shocking to tell,  
From his Rope, in an Instant, poor Harlequin fell.

Yet he touch'd not the Ground, but with Talons outspread,  
Hung suspended in Air, at the End of a Thread,  
Then the Grasshopper came with a Jerk and a Spring,  
Very long was his Leg, though but short was his Wing;

He took but three Leaps, and was soon out of Sight,  
Then chirp'd his own Praises the rest of the Night.  
With Step so majestic the Snail did advance,  
And promis'd the Gazers a Minuet to dance.

But they all laugh'd so loud that he pull'd in his Head,  
And went in his own little Chamber to Bed.  
Then, as Evening gave Way to the Shadows of Night,  
Their Watchman, the Glow-worm, came out with a Light.

Then Home let us hasten, while yet we can see,  
For no Watchman is waiting for you and for me.  
So said little Robert, and pacing along,  
His merry Companions returned in a Throng.