



# Phaëton

The Official Newsletter of the  
Maryland Entomological Society

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## ENTOMOLOGICAL SOCIETY OF WASHINGTON FEBRUARY MEETING

Thursday, February 3<sup>rd</sup>, 7 PM

Title: Smokies ATBI: A 23-year biodiversity inventory in Great Smoky Mountains National Park

Speaker: Dr. Will Kuhn, Director of Science and Research, Discover Life in America, Gatlinburg, TN



**Dr. Will Kuhn**

Director of Science and Research  
Discover Life in America  
Gatlinburg, TN

Zoom link: <https://us02web.zoom.us/j/81197709351?pwd=UTh3MTdndk16Y1RJJaXZEcmxQMDdzQT09>

Meeting ID: 811 9770 9351

Passcode: 572555

Visit the ESW website here:

<https://entsocwash.org/default.asp>

View previous meetings on YouTube at:

<https://www.youtube.com/channel/UCb6ZOW1FsjWpN1wWpTLvceQ>

### WELCOME TO NEW MEMBERS

MES welcomes the following new members to the Society:

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

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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*.

**John F. Carroll**  
**Frank G. Guarnieri**  
**Thomas Hudson**  
**Frances B. Pope**  
**Kathlyne Rog**  
**Gaye L. Williams**

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### SUMMER 2022 CHESAPEAKE BAY REU

Maryland Sea Grant offers fifteen students the opportunity to conduct marine research on the Chesapeake Bay. During the 12-week program, each student works with a mentor on an individual research project. It's a special opportunity to develop your research skills and interests by working with top science mentors studying America's largest estuary.

Program dates: May 22–August 13, 2022  
Application due date: February 15, 2022

Each REU fellow will receive:

- \$7,200 stipend
- Free housing at your research lab
- Round-trip travel expenses

Research areas include benthic environment, climate change, contaminants, environmental chemistry, estuarine processes, fisheries, modeling and analysis, molecular biology and genetics, and physical oceanography.

We seek students majoring in biology, chemistry, ecology, physics, engineering, mathematics, and marine and environmental science. We encourage students from groups unrepresented in marine and coastal science and from colleges and universities where research opportunities are limited to apply.

Fellows will be placed at one of two marine labs: University of Maryland Center for Environmental Science's Chesapeake Biological Laboratory in Solomons, Maryland or Horn Point Laboratory in Cambridge, Maryland.

We are eager to return to an in-person internship program during summer 2022. However, due to changing pandemic conditions, we will not decide whether to host in-person or hybrid/virtual internships until March 2022.

For more information and to apply, visit  
<https://www.mdsg.umd.edu/reu>



**ENTOMOLOGICAL  
SOCIETY OF AMERICA**  
EASTERN BRANCH

**\*MEETING POSTPONED DUE TO COVID-19\***

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**2022 EASTERN BRANCH MEETING**

**Sunday April 24<sup>th</sup> – Tuesday April 26<sup>th</sup>**

**The Bellevue Hotel**  
**Philadelphia, Pennsylvania**

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

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>

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

**Wednesday, January 26<sup>th</sup>, 11 AM**  
**Diversity within the giant honey bees (*Apis*, subgenus  
*Megapis*)**

Dr. Gard Otis and Nyaton Kitnya

**Wednesday, February 23<sup>rd</sup>, 11 AM**  
**When did bumblebees arrive in South America?**

Dr. Paul Williams

**Wednesday, March 30<sup>th</sup>, 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/>

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

**Tuesday, February 8<sup>th</sup>, 12 PM**

**Insect conservation in an uncertain future**

Erica Henry, School of Biological Sciences, Washington State University

**Tuesday, February 22<sup>nd</sup>, 12 PM**

**The ecology of caterpillars and their parasitoids in tropical rainforests**

Vojtěch Novotný, Department of Zoology, University of South Bohemia

For seminar schedule, zoom information and recordings of previous lectures, visit:

<https://www.floridamuseum.ufl.edu/mcguire/events/>

**UNIVERSITY OF MARYLAND EXTENSION  
WOODLAND STEWARDSHIP EDUCATION**

**Wednesday, February 16<sup>th</sup>, 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>



**SPRING 2022 SEMINAR SERIES**

**Thursday, January 27<sup>th</sup>, 3 PM**

**The Evolution of Multicellularity**

Matt Heron, Georgia Institute of Technology

**Thursday, February 3<sup>rd</sup>, 3 PM**

**Development and application of sustainable management techniques for insect and mite pests in vegetable production systems**

Lorena Lopez, Virginia Tech Eastern Shore AREC

**Thursday, February 10<sup>th</sup>, 3 PM**

**Pathogen spillover, disease ecology, One Health**

Jose R. Loaiza, Smithsonian Tropical Research Institute

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>

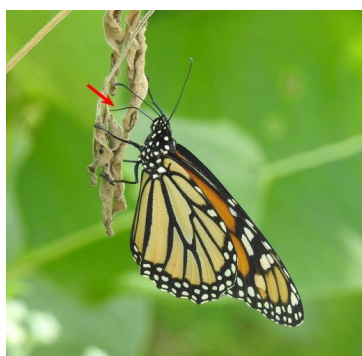


**LEP CLUB MEETING**

**Wednesday, February 23<sup>rd</sup>, 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/>

### 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

February 2022 issue of the *Phaëton*:

Please send items by Sunday 13<sup>th</sup> February 2022 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).

### A Twilight Moth by Madison Cawein

Dusk is thy dawn; when Eve puts on its state  
Of gold and purple in the marbled west,  
Thou comest forth like some embodied trait,  
Or dim conceit, a lily bud confessed;  
Or of a rose the visible wish; that, white,  
Goes softly messengering through the night,

Whom each expectant flower makes its guest.

All day the primroses have thought of thee,  
Their golden heads close-harmed from the heat;  
All day the mystic moonflowers silkenly  
Veiled snowy faces,-that no bee might greet,  
Or butterfly that, weighed with pollen, passed;-  
Keeping Sultana charms for thee, at last,  
Their lord, who comest to salute each sweet.

Cool-throated flowers that avoid the day's  
Too fervid kisses; every bud that drinks  
The tipsy dew and to the starlight plays  
Nocturnes of fragrance, thy wing'd shadow links  
In bonds of secret brotherhood and faith;  
O bearer of their order's shibboleth,  
Like some pale symbol fluttering o'er these pinks.

What dost them whisper in the balsam's ear  
That sets it blushing, or the hollyhock's,-  
A syllabled silence that no man may hear,-  
As dreamily upon its stem it rocks?  
What spell dost bear from listening plant to plant,  
Like some white witch, some ghostly ministrant,  
Some specter of some perished flower of phlox?

O voyager of that universe which lies  
Between the four walls of this garden fair,-  
Whose constellations are the fireflies  
That wheel their instant courses everywhere,-  
Mid faery firmaments wherein one sees  
Mimic Booetes and the Pleiades,  
Thou steerest like some faery ship of air.

Gnome-wrought of moonbeam-fluff and gossamer,  
Silent as scent, perhaps thou chariotest  
Mab or King Oberon; or, haply, her  
His queen, Titania, on some midnight quest.-  
Oh for the herb, the magic euphrasy,  
That should unmask thee to mine eyes, ah me!  
And all that world at which my soul hath guessed!