



Phaëton

The Official Newsletter of the
Maryland Entomological Society

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MARYLAND ENTOMOLOGICAL SOCIETY May 2022 MEETING

MES is Going Virtual Again

This month's meeting will once again be held virtually over Zoom with no in-person component.



Title: A Trip Across Uzbekistan, Surprisingly Not What You Might Expect
Speaker: Fred Paraskevoudakis, President, Maryland Entomological Society

Abstract: Fred Paras will be doing a travel log presentation on his trip across Uzbekistan following the towns and cities that grew along the Great Silk Road of antiquity.

It will highlight numerous localities from the dried out Aral Sea to the high mountain passes and borders with Tajikistan. He will show some of the localities where he collected, the insects found, and speak in general about the fauna found there. That includes certain desert regions, as well as high mountains. He will include images and speak to historical and present daily cultural aspects.

Speaker Bio: Fred Paras has been a Professor of Microbiology at Baltimore City Community College for 30 years and is the current coordinator of the Biotechnology Program. He has been the longtime president of MES and is an active member of the NHSM. He devotes much of his free time to traveling, collecting and pursuing entomology.

When: May 20th, 7:00 PM

Zoom link: <https://us02web.zoom.us/j/81292564070?pwd=d0-UcWRtc2kpkjjiSzSodb-IF6ZAe9s.1>

Meeting ID: 812 9256 4070; Passcode: 744160

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



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_0ubQ3CcHV0VtT_7FIGqIQ

MINUTES OF THE 343rd MEETING OF THE MARYLAND ENTOMOLOGICAL SOCIETY

22 APRIL 2022

The 343rd meeting of the Maryland Entomological Society occurred as a hybrid meeting, both virtually and in-person at UMBC. Due to technological upgrades of audio-visual equipment on the part of UMBC, the hybrid meeting proceeded uneventfully. In-person attendees totaled 6, including our speaker, and virtual attendees totaled 10. The lecture began at 7:15 PM and ended at 8:50 PM. A business meeting followed the lecture.

During the business session, Treasurer Ed Cohen reported a balance of \$6831.26 in the Society's account. He also reported that the Society's tax return has been filed. President Fred Paras sought member presentations for the May meeting, and indicated that the group could discuss ideas for a field trip at that time. Gene Scarpulla, editor of *The Maryland Entomologist* is reviewing articles for the 2023 issue, and stated that the deadline for submissions is April 1, 2023. Gene also announced that MES has been invited to have a booth at Pollinator Week on the National Mall on June 24 and asked that interested volunteers contact him.

The business meeting commenced immediately after the lecture at 8:50 PM and concluded at 9:00 PM. Informal conversation followed during which members discussed the logistics of setting up a booth on the Mall. Conversation turned to potential topics for member presentations, and those present encouraged Fred Paras to present on any of his most fascinating travels. Conversation came to an end and the group departed at 10:00 PM.

Respectfully submitted, Janet A. Lydon, MES Secretary

TYPE CONCEPTS IN TAXONOMY

Submitted by Gaye Williams.

As entomologists, we are familiar with the holotype – that unique specimen designated by its author as the physical example of its species. Test your knowledge of other more obscure types by matching these terms and definitions.

- 1 Autotype
- 2 Fundotype
- 3 Hallucinotype
- 4 Obliterotype
- 5 Onomatopoeiatype

- 6 Opsitetype
- 7 Snitotype
- 8 Tagotype
- 9 Twangotype
- 10 Vampirottype

- A. A specimen impaled on a vastly oversized pin.
- B. Specimen with all key characters obscured by the huge blob of adhesive securing it to its point.
- C. Type of species named for a major source of grant money.
- D. Named from specimens collected off the car grill; probably on some trip.
- E. Unattractive species named solely to vex a colleague.
- F. Due to major dermestid damage, the label's all that's left.
- G. Something or other named while under the influence.
- H. A new species of those frass-mimic chrysolids that turns out to be an actual piece of caterpillar poop.
- I. Described as an excuse to make up a nonsensical Latin-sounding name.
- J. Small holotype specimen that launches off its point, but fortunately is found caught in a cobweb, and remounted, undamaged! (Actually happened!).

ONLINE RECORDINGS OF NORTH AMERICAN BEE IDENTIFICATION CLASSES

From Sam Droege, USGS Native Bee Inventory and Monitoring Lab.

Clare Maffei has organized a set of bee identification classes over the past several months. Those classes have progressed from how to use identification keys to how to identify bees at the genus level to now working at identifications of various groups of bees at the species level. Currently, we are going through species of *Osmia*. The emphasis is definitely on Eastern species, though when we discuss genera it applies throughout the continent. Over time, we hope to incorporate more people from out West (and would be open to doing this elsewhere in the world) and have dabbled in that in a couple of introductory talks by Westerners who have developed guides to the bee genera of their regions.

You can join us on Wednesdays at 1:00 p.m. (Eastern time) by signing up with Clare (clare_maffei@fws.gov) for the live presentations. You can also look at the past videos (45 hours worth!) at the website kindly provided by Dan Kjar (<http://bio2.elmira.edu/fieldbio/beemovies/index.html>).

We now have some pretty nice equipment that allows us to display specimens live on screen during the Microsoft Teams sessions that Clare has set up.

Join us, and if you wish to give a talk on any aspect of bee identification we will be glad to turn over a Wednesday session (or part of one) to you.

Thanks,
Sam (and Clare)

BUMBLE BEE FLOWER FINDER

From Sam Droege, USGS Native Bee Inventory and Monitoring Lab.

Jarrold Fowler (with a little bit of funding from us and the USFWS) has created a bumble bee flower finder: <https://bumblebeeflowerfinder.info>.

Quoting Jarrod: "The Bumble Bee Flower Finder helps you discover the best native plants for bumble bees from the Eastern United States. Find flowers for habitat gardening, conservation planting, and bee monitoring. Under Construction. Email: info@bumblebeeflowerfinder.info."

Geared towards those who need to plant plants, this guide will be useful to those of you who are landscapers, architects, nursery people, gardeners, botanists, and bumble bee researchers who need to explore plants.

You can select on the physical features from bloom time, color, height, habitat, form, water requirements, state, and information about gender and status of bumble bees.

This finder is just the start as the USGS Native Bee Inventory and Monitoring Lab and associates quantify visitation rates of bumble bees and other species via the citizen based Ask A Bumble Bee Program (email bumblebeecount@gmail.com for more info on that program) and other quantitative methods using photography and non-lethal netting surveys.

YOUNG ENTOMOLOGIST GROUP GOES OUTDOORS IN JUNE

From Dave Adamski, Young Entomologist Group Coordinator.

When: Friday, June 10th – Sunday June 12th

Where: Redden State Park Lodge, Georgetown, Delaware

For many, this weekend is one of the best life has to offer!

The entire lodge is ours to set up headquarters for collecting. Yes, this is a collecting event, ONLY for 6-legged animals. Dr. Adamski will be arriving on Friday for set-up and collecting. However, YEG members are welcome.

On Saturday, we will conduct afternoon field trips and in the evening head to James Farm Ecological Preserve in Bethany for a field trip on the horseshoe crab conducted by Dennis Bartow. After we return from Bethany, we will start a bonfire, make smores, and someone will read Crab Moon by Ruth Horowitz. Story tellers are welcome.

This event will require some volunteer help. If you are interested, contact me at AdamskiD@si.edu. More details will be given on this event later.



ENTOMOLOGICAL
SOCIETY OF AMERICA
SHARING INSECT SCIENCE GLOBALLY

UPCOMING WEBINARS

Wednesday, May 25th, 11 AM
Presidential Pop-In with Jessica Ware

Tuesday, June 21st, 1 PM
ESA ECP Career Track Webinar: Academia-Teaching

Find more information and register at:
<https://www.entsoc.org/events/webinars/upcoming>



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

Wednesday, May 25th, 11 AM
**The Evolution and Adaptive Radiation of the Western
Honey Bee (*Apis mellifera*)**
Kathleen Dogantzis, PhD Researcher, York University

Wednesday, June 29th, 11 AM
**The Mining Bee Family (Andrenidae): Phylogeny,
Taxonomy, Diversification and Biogeography**
Silas Bossert, Assistant Professor, Washington State
University & Gideon Pisanty, Collection Manager of
Hymenoptera, The Steinhardt Museum of Natural History, Tel
Aviv University

Wednesday, July 27th, 11 AM
**Integrating phylogenomic and fossil evidence to interpret
early bee biogeography**
Eduardo Almeida, Associate Professor, Universidade de São
Paulo

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 OHIO STATE UNIVERSITY

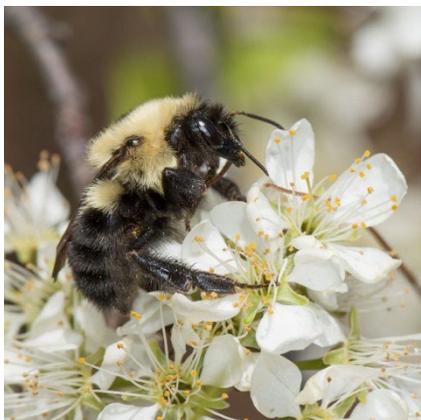
ASK A BUMBLE BEE! WEBINAR

Friday, May 27th, 10 AM

The Ask A Bumble Bee project is a survey exploring which flowers bumble bees visit and which they don't. Anyone with a smartphone can participate, even if you don't know your bee

IDs or floral IDs.

Why do this? Knowing bumble bee's floral preferences will improve planting guides, seed mixes, and land management strategies for bumble bees!



This floral resource survey depends on community scientists like you to observe bees on flowers. Attend the participant training webinar on Friday, May 27th at 10:00AM EASTERN. Can't make the session? Check back on May 28th for the webinar recording.

Ask A Bumble Bee is sponsored by the USGS Bee Inventory and Monitoring Lab and is coordinated by Jenan El-Hifnawi and Sam Droege. The Ask A Bumble Bee website is managed in partnership with Denise Ellsworth at The Ohio State University.

Find more information and register at: <https://u.osu.edu/askabumble/>.



POLLINATOR FEST

When: Sunday, June 26th 10 AM - 1 PM
Where: Mt Pleasant, 10520 Old Frederick Road, Woodstock, MD 21163



Join us to celebrate Pollinators! Learn about various pollinators at different stations set up along the pollinator trail

and enjoy fun, hands-on pollinator themed activities and games.

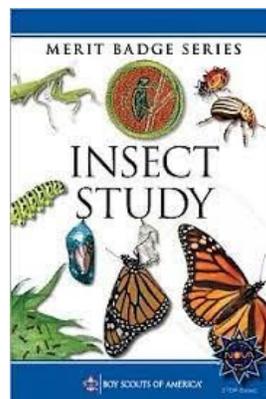
Find more information and register at: <https://www.howardnature.org/event/pollinator-fest/>



INSECT STUD MERIT BADGE CLASS

When: Saturday, June 4th, 9 AM
Where: Natural History Society of MD, 6908 Belair Road, Baltimore 21206

They kill more people annually than any other animal. They account for the largest biomass of all terrestrial animals. And we can't live without them. They are insects. Insects are the world's most diverse group of organisms. We know of more than 2.4 million different types of insects which accounts for 80% of the world's species.



In earning the Insect Study merit badge, Scouts will glance into the strange and fascinating world of the insect. There, they will meet tiny creatures with tremendous strength and speed, see insects that undergo startling changes in habits and form as they grow, and learn how insects see, hear, taste, smell, and feel the world around them. If you are prepared, and have read the pamphlet, this class will help you fulfill a majority of the

requirements for this badge. Course is being taught by a professional entomologist who is also a Merit Badge Counselor and Scout Master.

Find more information and register at: <https://www.marylandnature.org/get-involved/events/event/insect-study-merit-badge-class-2/>



BANNEKER SPRING BIOBLITZ

When: Saturday, May 21st, 9 AM – 1 PM
Where: Banneker Historical Park & Museum, 300 Oella Ave, Catonsville M

The NHSM had such a great time exploring Banneker Park last year finding fungi, snakes, insects, leps and frogs, we are going back this spring to look for more. All are welcome.

A BioBlitz is an intense period of biological surveying in an attempt to record all the living species within a designated area. While generating useful data for science and conservation they are also an excuse for naturalists, scientists, and curious members of the public to meet in person in the great outdoors and are a lot of fun!

This important data will create a baseline from which future surveys can be measured and compared. There are 98 herps, 90 mammals, 450 bird and over 1,000 insects in Maryland. What animals live at Banneker? Are populations increasing, decreasing, changing? What other plants and animals live here? These are just some of the questions our data will help to answer. We will be utilizing the free app inaturalist to capture and synthesize the data we collect. There is a Banneker BioBlitz project set up. Please join the the project through your inaturalist account. inaturalist is a free community science app. You can also just take photos and share with NHSM to upload to the data collection system.

Here are the observations from previous years:
<https://www.inaturalist.org/projects/banneker-bioblitz-herps-and-more>

Here is an orientation video: <https://youtu.be/QhBX2A75ZoM>

This is a full outdoor experience. Dress for the weather. Bring shoes for mucking around and dry shoes to change into. Bring a camera or phone to capture the data in the form of photographs. Gloves to move rocks and trees are recommended. Sunscreen and extra water are essential. Families are welcome to bring kids. Children must be supervised at all times.

Check-in and a brief park history lesson will be given from 9:00-9:30 AM. The BioBlitz will start promptly at 9:30 AM.

Find more information and register at:
<https://www.marylandnature.org/get-involved/events/event/banneker-spring-bioblitz/>

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
Apr 22	David Adamski	Morphological Phylogenetics of World Blastobasidae
May 22	Fred Paras	A Trip Across Uzbekistan

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

June 2022 issue of the *Phaëton*:
 Please send items by Sunday 12th June 2022 to Addie at aditid26@gmail.com.

September 2022 issue of *The Maryland Entomologist*:
 Please send first drafts of articles and notes ASAP.
 Send drafts to Gene Scarpulla at ejscarp@comcast.net.

LONG-LEGGED FLY

by W.B. Yeats

That civilisation may not sink,
 Its great battle lost,
 Quiet the dog, tether the pony
 To a distant post.
 Our master Caesar is in the tent
 Where the maps are spread,
 His eyes fixed upon nothing,
 A hand upon his head.

Like a long-legged fly upon the stream
 His mind moves upon silence.

That the topless towers be burnt
 And men recall that face,
 Move most gently if move you must
 In this lonely place.
 She thinks, part woman, three parts a child,
 That nobody looks; her feet
 Practise a tinker shuffle
 Picked up on the street.

Like a long-legged fly upon the stream
 Her mind moves upon silence.

That girls at puberty may find
 The first Adam in their thought,
 Shut the door of the Pope's chapel,
 Keep those children out.
 There on that scaffolding reclines
 Michael Angelo.
 With no more sound than the mice make
 His hand moves to and fro.

Like a long-legged fly upon the stream
 His mind moves upon silence.