



# Phaëton

The Official Newsletter of the  
Maryland Entomological Society

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## WORKSHOP ON INSECT GENETIC TECHNOLOGIES: THEORY AND PRACTICE

24-29 July, 2016

The Insect Transformation Facility, Institute for Bioscience  
and Biotechnology Research, University of Maryland,  
College Park

IGTRCN (Insect Genetic Technologies Research Coordination Network) is putting on a course for those who want to increase their knowledge about insect genetic technologies. This workshop may be filled since the registration deadline was May 2<sup>nd</sup>, 2016. However, the IGTRCN often host events on using insect genetic technologies as well as offers a community of practitioners and learners of insect genetic technologies.

For more information about IGTRCN see their website at:  
<http://igtrcn.org/>



**Central Maryland Beekeepers Association**

*Supporting and promoting beekeepers and the viability of honeybees in central Maryland*

## MEMBERS MEETINGS

**Tue, 2 August 2016; 6:00-9:00 p.m.**

### Annual Potluck Picnic

Bring a dish and be prepared to relax, converse with friends, and have a good time!

**Tue, 6 September 2016; 7:00 p.m.**

“Seven Years, Two Packages!” Luke Goemmel keeps bees in Towson. He speaks to us about what he has learned in his time as a beekeeper about succeeding in suburbia that time frame – including some interesting methods and equipment.

**Tue, 4 October 2016; 7:00 p.m.**

Speaker: TBD

Members meetings are held at the Oregon Ridge Nature Center, 13555 Beaver Dam Road, Cockeysville, Maryland. Additional information can be found at:

<http://www.centralmarylandbees.org/meetings-3/membership-meeting-schedule/>.

## DC/BALTIMORE CRICKET CRAWL

**August 26, 2016**

Cricket fans in the DC, NOVA, and Baltimore area can participate in this event to appreciate crickets. The goal is to document six target species of crickets along with their distribution. Along with listening to and documenting crickets, you will have the opportunity to participate in cricket dances, poetry, music and a cricket party. We would love to post the best cricket costume pictures!

For more information you can go to the website or Facebook page:

<http://www.discoverlife.org/cricket/DC/>

<https://www.facebook.com/CricketCrawlDCBaltimore>

## GENETIC ROOTS OF INSECT'S WATERPROOF COATING COULD LEAD TO INNOVATIVE PEST CONTROL

Scientists at the University of Hawaii at Manoa may have discovered a new and effective way to control insect pests that are a threat to agriculture and humans. Researchers have identified a gene in vinegar flies responsible for the insect's waterproof coating, which provides them protection from microbes and environmental stress. They nicknamed the gene *spidey*.

The entire article can be found at:

<https://www.sciencedaily.com/releases/2016/07/160715113602.htm>.

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**NATIONAL MOTH WEEK 2016  
Invites Citizen Scientists to Celebrate Moths**

**23-31 July 2016**

Registration is in full swing for the fifth annual National Moth Week 2016 23-31 July, a global citizen-science project that celebrates the beauty, diversity and ecological importance of moths. Events will take place worldwide and anyone can participate in National Moth Week.

More information can be found at:

<http://nationalmothweek.org/>.

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**A GHOST IN THE MAKING  
Searching for the Rusty-Patched Bumble Bee**

Natural history photographer Clay Bolt is on a mission to tell the stories of the 4000 species of native bees in North America. In this short film, created by the Xerces Society for Invertebrate Conservation, he looks at the Rusty-Patched Bumble Bee (*Bombus affinis*), an eastern bee that has disappeared from rough 87% of its historic range. Thanks to the Society's efforts, the U.S. Fish and Wildlife Service issued a positive 90-day finding for the species in September 2015 and agreed to consider the species for inclusion under the Endangered Species Act in 2016.

The film can be viewed at: <http://www.rustypatched.com/the-film>.

The petition to include the Rusty-Patched Bumble Bee under the Endangered Species Act can be found at:

<https://www.change.org/p/add-the-rusty-patched-bumble-bee-to-the-list-of-endangered-species>.

More information on the Rusty-Patched Bumble Bee can be found at: <http://www.xerces.org/rusty-patched-bumble-bee/>.

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**HARFORD GLEN WILDLIFE SEARCH**

**Saturday, 30 July, 2016  
9:00AM**

Join Scott McDaniel of the Susquehannock Wildlife Society and Matt Hafner of the Harford Bird Club in finding and appreciating the birds, mammals, insects and herps found in this compact but beautiful and diverse habitat.

Meet at parking lot of Harford Glen at:  
502 W Wheel Road, Bel Air, MD 21015

For more details, contact:

Matt Hafner (410-971-3203; [hafner.matt@gmail.com](mailto:hafner.matt@gmail.com))

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**HOWARD COUNTY BUTTERFLY WALK**

**Saturday, 30 July, 2016  
9:00AM – 12 NOON  
Location: TBD (Probably Mt. Pleasant)**

The Howard County Bird Club will be hosting a Butterfly Walk lead by Linda Hunt, who will lead the group past the Monarch Waystation designated meadow areas and gardens.

For more information, see:

<http://www.howardbirds.org/butterflies/ButterflyEvents-2016.html>.

Register with:

Linda Hunt ([raven10322@hotmail.com](mailto:raven10322@hotmail.com))

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**ACADEMY OF NATURAL SCIENCES OF  
DREXEL UNIVERSITY BUGFEST**

**13-14 August, 2016  
Philadelphia, Pennsylvania**

An annual celebration of insects with activities, shows and an opportunity to see specimens from the Academy's collection.

Additional information can be found at:

<http://www.ansp.org/get-involved/programs/festivals/bug-fest/>

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**WINGS IN THE PARK**

**23 July, 2016  
10:00AM – 2:00PM  
State College, Pennsylvania**

Join the Penn State Extension Master Gardeners of Centre County, Centre Region Parks and Recreation, and partner organizations for a day of family fun activities, exhibits, and presentations as we celebrate butterflies, bees, and all of our beneficial pollinators.

The event will be held at:

Snetsinger Butterfly Garden at Tom Tudek Memorial Park  
400 Herman Dr, State College, PA 16803

For more information, see:

<http://ento.psu.edu/pollinators/events/wings-in-the-park-4>.

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**ANNMARIE SCULPTURE GARDENS & ARTS CENTER  
INSECTIVAL**

**Sunday, 31 July, 2016  
1:00PM – 4:00PM  
Solomon, MD**

To celebrate their current art exhibition, Swarm: Insects in Art, the Annmarie Sculpture Garden & Arts Center is planning an

Insectival—a fun family afternoon of games, exploration and investigations. They are seeking people who might have interesting insects—live or dead—who may be willing to participate in a “Show and Tell” format. This could be any kind of insect.

They invite the group to participate or steer them in the direction of a few insect experts who might be willing to join in the fun.

If you are interested in participating or would like more information, please contact:

Jaimie Jeffrey

Curator of Public Programs

Annmarie Sculpture Garden & Arts Center

[programs@annmariegarden.org](mailto:programs@annmariegarden.org)

[www.annmariegarden.org](http://www.annmariegarden.org)

410.326.4640

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**GLOBAL BIOCONTROL AND BIOSTIMULANTS  
CONGRESS 2016**

**12-13 September, 2016  
Philadelphia, Pennsylvania**

The event will be co-located with the 4<sup>th</sup> [Plant Genomics Congress USA](#).

Increasing prioritization of sustainability in agriculture has led to rapid growth in the agricultural biologicals industry. The benefits of biological products in agriculture are significant, and developments in technology and research make agricultural biologicals an exciting, dynamic industry in which to work and study.

Attracting experts working in all areas of plant science, the conference will examine the latest developments in the technologies and techniques being used for progressing biopesticides and biostimulants research, as well as the future of the industry.

Should you be an expert in developing biological products, or a scientist researching plant and microbe processes, the conference will be an excellent opportunity to learn, share, discuss and engage with the most current plant science research and technology. During the two-day conference, there will be networking breaks to promote interaction with your peers, expert led case study presentations, and a dynamic exhibition room filled with technology providers showcasing their technologies and solutions.

Members will be offered a 15% discount on the attendance fee of academic rate; \$499 or industry rate; \$999. This can be accessed by using the code **BC/AM/15** for online registration or contacting event manager Aya Masuo at [aya@globalengage.co.uk](mailto:aya@globalengage.co.uk).

Conference programmes and further details can be viewed at:

Global Biocontrol & Biostimulants Congress  
2016: <http://www.globalengage.co.uk/biocontrol.html>

4<sup>th</sup> Plant Genomics Congress USA:  
<http://www.globalengage.co.uk/plantgenomicsusa.html>

For more information, see:

<http://ento.psu.edu/pollinators/events/wings-in-the-park-4>.

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**EAGLE HILLS INSTITUTE NATURAL HISTORY  
SEMINARS**

**Steuben, Maine**

During the summer, the Eagle Hills Institute offers intensive week-long field based seminars and workshops on the coast of Maine taught by experts in their respective fields.

**August 7-13**

The EPT Taxa (Ephemeroptera, Plecoptera, Trichoptera):  
Taxonomy and Stream Biomonitoring

More information about the courses, rates and registration may be found at:

<http://www.eaglehill.us/programs/nhs/nhs-calendar.shtml>

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**WOLBACHIA BACTERIA PREVENTS MOSQUITOS  
FROM TRANSMITTING ZIKA AND CHIKUNGUNYA**

Researchers at the University of Wisconsin-Madison have confirmed that a benign bacterium called *Wolbachia pipientis* can completely block transmissions of Zika virus in *Aedes aegypti*, the mosquito species responsible for passing the virus to humans.

Matthew Aliota, a first author of a paper published in the journal Scientific Reports, says the bacteria could present a “novel biological control mechanism,” aiding efforts to stop the spread of Zika virus.

Read the entire article at:

<https://entomologytoday.org/2016/07/01/wolbachia-bacteria-prevents-mosquitoes-from-transmitting-zika-and-chikungunya/>.

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**PARASITOID WASP MAKES A COMEBACK AFTER  
101 YEARS**

A species of wasp that is a natural enemy of a wood-boring beetle that kills black locust trees has been rediscovered, more than 100 years after the last wasp of this species was found.

The discovery is significant because the wood-boring beetle, known as the locust borer, is considered a serious pest that has discouraged planting of black locusts, which played an important role in American history.

Read the entire article at:

<https://entomologytoday.org/2016/06/21/parasitoid-wasp-makes-a-comeback-after-101-years/>.

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**DEEPEST DARKEST JUNGLES: TALES OF  
EXPLORATION, ADVENTURE AND CONSERVATION**

**July 22, Friday, 2016**

**7:30PM**

**Washington D.C.**

MES member Peter Houlihan will be kicking off Patagonia DC's very first Talk Story Series with an evening of jungle tales and local brews.

The event will be held at:

Patagonia D.C. Store – Georgetown

1048 Wisconsin Ave NW, Washington, DC 20007.

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**2015/2016 PROPOSED MES EVENT SCHEDULE**

Regular MES lecture/meetings are held at the University of Maryland Baltimore County (UMBC) on the 3<sup>rd</sup> Friday of each of 6 months coinciding with UMBC's academic year. Proposed events for the upcoming MES membership year are:

<u>Date</u>	<u>Speaker</u>	<u>Topic</u>
Oct 16	David Rivers	Forensic Entomology
Nov 20	James Brighton	Maryland Biodiversity Project
Feb 19	Jon Gelhaus	Aquatic Insects of Mongolia
Mar 18	Kirsten Traynor	Lecture
Apr 15	Humberto Boncristiani	Lecture
May 20	Members' & Students' Presentations & Elections	
June 25	Survey/Field Trip	
Sept 18	Crab Feast/Meet-&-Greet at J. KING'S restaurant	

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**OCT 2015 – SEP 2016 MES MEMBERSHIP YEAR  
OFFICERS**

President	Frederick Paras
Vice President	Philip J. Kean
Secretary	Richard H. Smith
Treasurer	Edgar A. Cohen, Jr.
Historian	(vacant)
Faculty Sponsors	Frank E. Hanson & Austin P. Platt
Editors	Eugene Scarpulla, Hanna Kahl & Aditi Dubey

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**SUBMITTAL DEADLINES**

August 2016 issue of the *Phaëton*:

Please send member news items by August 8, 2016 to [aditid26@gmail.com](mailto:aditid26@gmail.com) and/or [hkahl@umd.edu](mailto:hkahl@umd.edu).

SEP 2016 issue of *The Maryland Entomologist*:

Please send first drafts of articles and notes ASAP to [ejscarp@comcast.net](mailto:ejscarp@comcast.net).

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**THE BEE AND THE BUTTERFLY**

**Mary Darby Robinson**

UPON a garden's perfum'd bed  
With various gaudy colours spread,  
Beneath the shelter of a ROSE  
A BUTTERFLY had sought repose;  
Faint, with the sultry beams of day,  
Supine the beauteous insect lay.

A BEE, impatient to devour  
The nectar sweets of ev'ry flow'r,  
Returning to her golden store,  
A weight of fragrant treasure bore;  
With envious eye, she mark'd the shade,  
Where the poor BUTTERFLY was laid,  
And resting on the bending spray,  
Thus murmur'd forth her drony lay:

"Thou empty thing, whose merit lies  
In the vain boast of orient dyes;  
Whose glittering form the slightest breath  
Robs of its gloss, and fades to death;  
Who idly rove'st the summer day,  
Flutt'ring a transient life away,  
Unmindful of the chilling hour,  
The nipping frost, the drenching show'r;  
Who heedless of "to-morrow's fare,"  
Mak'st present bliss thy only care;  
Is it for THEE, the damask ROSE  
With such transcendent lustre glows?  
Is it for such a giddy thing  
Nature unveils the blushing spring?  
Hence, from thy lurking place, and know,  
"Tis not for THEE her beauties glow."

The BUTTERFLY, with decent pride,  
In gentle accents, thus reply'd:  
"Tis true, I flutter life away  
In pastime, innocent and gay;  
The SUN that decks the blushing spring  
Gives lustre to my painted wing;  
"Tis NATURE bids each colour vie,  
With rainbow tints of varying die;  
I boast no skill, no subtle pow'r  
To steal the balm from ev'ry flow'r;  
The ROSE, that only shelter'd ME,  
Has pour'd a load of sweets on THEE;  
Of merit we have both our share,  
Heav'n gave thee ART, and made me FAIR;  
And tho' thy cunning can despise  
The humble worth of harmless flies;  
Remember, envious, busy thing,  
Thy honey'd form conceals a sting;  
Enjoy thy garden, while I rove  
The sunny hill, the woodbine grove,

And far remov'd from care and THEE,  
Embrace my humble destiny;  
While in some lone sequester'd bow'r,  
I'll live content beyond thy pow'r;  
For where ILL-NATURE holds her reign  
TASTE, WORTH, and BEAUTY, plead in vain;  
E'en GENIUS must to PRIDE submit  
When ENVY wings the shaft of WIT.