



# Phaëton

The Official Newsletter of the  
Maryland Entomological Society

Volume 37, Number 5

February 2017

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EDITOR: Aditi Dubey – [aditid26@gmail.com](mailto:aditid26@gmail.com)  
Hanna Kahl – [hkahl@umd.edu](mailto:hkahl@umd.edu)

FACULTY SPONSORS: **Frank E. Hanson** and **Austin P. (Bob) Platt**  
Department of Biological Sciences  
University of Maryland Baltimore County (UMBC)  
1000 Hilltop Circle  
Baltimore, MD 21250

WEBSITE: <http://www.mdentsoc.org/>

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## February Meeting Pre-Announcement

The Maryland Entomological Society's 314<sup>th</sup> regular meeting will be held **Friday, 17 Feb. 2017**, at **8:00 pm**, in **Room 004** (one floor below the street level), **Biological Sciences Building**, University of Maryland Baltimore County (UMBC). Bring a friend, specimens, observations, or books to share. Refreshments will be provided. Presentations are scheduled to begin at **8:15 pm**.



**Speaker:** Hanna Kahl, MS student – Department of Entomology, University of Maryland; Editor of the *Phaëton*; Secretary and Website Manager, Ecological Society of America-Agroecology Section  
**Title:** “Effects of Living Mulch on Arthropods”

**Abstract.** Farmers growing pollinator-dependent crops face a daily challenge of needing to maintain pollinators while simultaneously managing pests. Therefore, research on sustainable production practices that will promote pollinators without compromising pest suppression and yields is needed. Past research suggests that adding flowering plants to crop systems can provide floral resources for beneficial arthropods, including pollinators, and reduce arthropod pest populations. However, farmers are often discouraged from implementing floral enhancement strategies because they perceive them as impractical or resource-intensive. My research has focused on using red clover, an already widely planted cover crop, as a living mulch to manage pests and conserve pollinators in bell pepper and cucumber systems.

**Bio.** **Hanna Kahl** is currently a Master's student in the Department of Entomology at the University of Maryland, College Park in the [Hooks lab](#). Previous to beginning her graduate studies at the University of Maryland, Hanna Kahl worked in the [insect collection](#) and researched forensically important insects in the [FLIES lab](#) at [Texas A&M University](#). She received a B.A. degree in Biology at [Whitman College](#) in Walla Walla, Washington.

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### VACANCY FOR MES SECRETARY

We are requesting members to consider filling the vacant post of secretary of the MES. Primary responsibilities include taking and preparing meeting minutes, including summaries of lectures. If you are interested, please contact society president Fred Paraskevoudakis at [bugandrockman@msn.com](mailto:bugandrockman@msn.com)

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\*\*\*DON'T FORGET TO RENEW\*\*\*

\*\*\*IT'S MEMBERSHIP RENEWAL TIME\*\*\*

OCT 2016 – SEP 2017 MEMBERSHIP YEAR

Membership renewal forms were inserted in the front of the September 2016 issue of The Maryland Entomologist that was mailed out in September. If the date on your address label reads 2016, it is time for you to renew for the “October 2016 – September 2017” 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.

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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*.

**David Adamski**  
**Mark C. Taylor**

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**ENTOMOLOGICAL SOCIETY OF AMERICA  
SYSTEMATICS, EVOLUTION, & BIODIVERSITY  
STUDENT RESEARCH TRAVEL AWARD**

**A Call for Proposals****Due: Friday, 10 March 2017**

The Systematics, Evolution, and Biodiversity (SysEB) section leadership invites SysEB undergraduate and graduate students to submit applications for the SysEB Student Research Travel Award Program (SRTA). Travel Awards provide funding for student fieldwork and/or research travel to other institutions to enhance research projects. Beginning this year, the top ranked proposals from graduate students will be recognized and funded separately by the SysEB Graduate Student Research Endowment (GSRE).

Funding for awards is generally limited and typically 3-4 proposals are funded. Thus, proposals are competitively judged based on the following factors: a) benefit of the proposed travel to the student's research; b) scientific justification; and c) demonstration of funding need.

**SysEB Student Research Travel Award Program Details**

**Eligibility:** Current undergraduate or graduate students only; must be members in good standing of the SysEB section of the Entomological Society of America (ESA); eligible applicants may receive one Student Research Travel Award (SRTA) only (i.e., previous Award recipients are not eligible to apply for additional Awards).

**Allowed Travel Requests:** Proposals will be considered for costs associated with domestic and/or international travel to conduct research (including fieldwork, offsite lab work, and research visits to museum collections); the SRTA Program will provide award recipients with travel funding only (all official/legal permissions and/or permits for the travel are the responsibility of the student).

**Awards:** Typical award amounts are approximately \$1,000-\$1,500. Payment of the award will occur upon completion of travel as reimbursement. Students must provide evidence of travel (copy of boarding pass, hotel receipts, etc.) and copies of collecting and export permits (if applicable). Travel must be completed within a year of the award date.

**Application package:** Should include (in single spaced 12-point Arial, 1-inch margins):

- 1-page description of the proposed research project (title, brief background, specific hypotheses, scientific importance) and the purpose of the proposed travel, including explanation of how the proposed travel will enhance your research.
- 1-page detailed budget with specific travel plans and budget justification including a statement of confirmation that all relevant collecting, research, and/or export permits are

current or obtainable for the proposed travel.

- Literature references, if applicable (1 page maximum).
- A short statement (a paragraph) from your major professor (or advisor) that indicates your student status and how well the proposed travel is integrated with your research (can be a separate letter, but should be included in the application).

Please prepare a single PDF file consisting of all four sections described above and name the file with your full name in the format "last\_name, first\_name". Please email applications to Dr. Christopher Beatty, 2015 SysEB President ([christopher.beatty@cornell.edu](mailto:christopher.beatty@cornell.edu)) on or before 06 March 2015. Successful applicants will be notified by the end of March.

Travel receipts (= evidence of travel) should be emailed to SysEB Treasurer, Dr. Jennifer Zaspel ([jzaspel@purdue.edu](mailto:jzaspel@purdue.edu)) and copies of collecting and export permits (if applicable) to Dr. Christopher Beatty ([christopher.beatty@cornell.edu](mailto:christopher.beatty@cornell.edu)).

**CBP INTERCEPTS DESTRUCTIVE KHAPRA BEETLE**

On January 19<sup>th</sup>, 2017 the U.S. Customs and Border Protection Agriculture Specialists at John F. Kennedy International Airport in New York City, NY discovered a suspected *Trogoderma* specimen and skins in the rice from a shipment of personal effects from Saudi Arabia. Later that day the local USDA office was able to confirm that the specimen was in fact *Trogoderma granarium* Everts (Dermastidae). *Trogoderma granarium* is one of the world's most destructive pests of grain products and seeds and one of the worst invasive pests. This pest can also show up in burlap bags, corrugated boxes, and animal hides. The beetle is native to India but has spread to several other countries around the world.

Photo credit:  
USDA, 2011

**RECENT PUBLICATION BY MES MEMBER WARREN STEINER**

This recent publication by Warren Steiner includes MD specimen records and name changes for two local beetle species. The full publication was attached along with this issue.

**Abstract:**

The five species currently placed in the North American genus *Haplandrus* LeConte 1862 are examined, with new

information on immature stages, distribution, and life history. The type-species, *H. fulvipes* (Herbst 1797) as a member of Stenochiinae/ Cnodalonini is redescribed along with its larva and pupa; a closely related new species is proposed for specimens from peninsular Florida. Reassignments and new synonymies are proposed for the other species which belong in other genera and tribes of Tenebrioninae. *Haplandrus ater* (LeConte 1866) is transferred back to *Metaclisa Jacquelin du Val* 1861; *H. collaris* Casey 1924 and *H. subangustus* Casey 1924 are junior synonyms of that species. North American members of *Metaclisa* are reviewed, with a description of the larva and pupa of *M. atra*. *Tharsus* LeConte 1862 is recognized as a new synonym of *Metaclisa*. With a discussion of morphology and placement of the genus, the new tribe *Metaclisini* is proposed. The new genus *Bouchardandrus* is proposed to include the boreal *H. concolor* LeConte 1866 which has characters that place it among genera of Tenebrionini.

**Citation:**

Steiner W. E., Jr. 2016. New Assignments among the Genera *Haplandrus* Leconte, *Metaclisa* Jacquelin Du Val and *Tharsus* Leconte with Descriptions of Larvae and Pupae and a New Genus for North America (Coleoptera: Tenebrionidae). *Annales Zoologici* 66(4):529-550.

<http://www.bioone.org/doi/full/10.3161/00034541ANZ2016.64.005>



**ENTOMOLOGICAL SOCIETY OF  
WASHINGTON  
PUBLIC MEETING**

**Thu, 2 March 2017; 7:00 p.m.**

Topic: TBA

Speaker: TBA

National Museum of Natural History, Smithsonian Institution,  
Washington, DC

<http://entsocwash.org/>.



**Central Maryland Beekeepers Association**

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

**MEMBERS MEETINGS**

**Tue, 14 March 2017; 7:00 p.m.**

[Dr. Dewey Caron](#) of University of Delaware presents 'Good News About the Bees'. He will speak about all of the positive news regarding honeybees in a time when most of what we hear seems glum.

**Tue, 4 April, 2017; 7:00 p.m.**

Speaker: [Peter Borst](#) of Cornell University. Topic is TBA.

**Tuesday, May 2, 2017**

Speaker: [Hartmut Doebel](#) of George Washington University. Topic is TBA.

Members meetings are held at the [Oregon Ridge Nature Center, 13555 Beaver Dam Road, Cockeysville, MD.](#)

Additional information can be found at:

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

**UNIVERSITY OF MARYLAND  
DEPARTMENT OF ENTOMOLOGY COLLOQUIA**

**Fri, 17 February 2017, 12:00 p.m.**

**"Taxonomy, phylogenomics, and natural history of the fungus-farming ant genus *Sericomyrmex*"**

Ana Jesovnik, Ph.D. (Department of Entomology, University of Maryland College Park)

**Fri, 24 March 2017, 12:00 p.m.**

**"Organic agroecosystems: local skirmishes in a global battle"**

Jamin Dreyer, Ph.D. (Strategic Analysis, Inc.)

**Fri, 3 March 2017, 12:00 p.m.**

**"TBA"**

Peter Coffey (Hooks Lab, Department of Entomology, University of Maryland College Park)

**Fri, 10 March 2017, 12:00 p.m.**

**"Fight to the death: the ecology of conflict between bumble bees and their parasites"**

T'ai Raulston, Ph.D. (Research Associate Professor, Dept. of Environmental Sciences, University of Virginia)

**Fri, 17 March 2017, 12:00 p.m.**

**"TBA"**

Andrew Garavito (van Engelsdorp Lab, Department of Entomology, University of Maryland College Park)

Entomology colloquia take place in 1130 Plant Sciences Building, College Park, MD. For additional information, go to: <http://entomology.umd.edu/calendar.html>.

**ESA 2017 EASTERN BRANCH ANNUAL MEETING**

**Fri-Tue, 17-21, March 2017**

**Newport Marriott, Newport, RI**

The 88<sup>th</sup> Annual Meeting of the Eastern Branch of the Entomological Society of America "Challenges in a Changing World" will be held in Rhode Island.

Additional Information can be found at:

<http://www.entsoc.org/eastern/2017-eastern-branch-annual-meeting>

**2016/2017 PROPOSED MES EVENT SCHEDULE**

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

Date	Speaker	Topic
Sep 18	<a href="#">Crab Feast/Meet-&amp;-Greet</a>	at J. KING'S Restaurant
Oct 21	<a href="#">Seán Brady</a>	Entomological Collections: New Uses
Nov 18	<a href="#">David O'Brochta</a>	Genetic Technologies
Feb 17	<a href="#">Hanna Kahl</a>	Effects of Living Mulch on Arthropods
Mar 17	<a href="#">Daniel Perez-Gelabert</a>	Entomological Adventures in the Caribbean
Apr 21	<a href="#">Loyola Univ. Students</a>	TBD
May 19	<a href="#">Members' &amp; Students' Presentations &amp; Elections</a>	
TBD	<a href="#">Survey/Field Trip</a>	

**OCT 2016-SEP 2017 MES MEMBERSHIP YEAR**

**OFFICERS**

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

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**SUBMITTAL DEADLINES**

MARCH 2017 issue of the *Phaëton*:

Please send member news items by 3 March 2017.

Send e-newsletter drafts to Aditi at [aditid26@gmail.com](mailto:aditid26@gmail.com)  
and/or Hanna at [hkahl@umd.edu](mailto:hkahl@umd.edu).

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**THE GENESIS OF BUTTERFLIES**

**By Victor Hugo**

THE dawn is smiling on the dew that covers  
The tearful roses; lo, the little lovers  
That kiss the buds, and all the flutterings  
In jasmine bloom, and privet, of white wings,

That go and come, and fly, and peep and hide,  
With muffled music, murmured far and wide.  
Ah, the Spring time, when we think of all the lays  
That dreamy lovers send to dreamy mays,

Of the fond hearts within a billet bound,  
Of all the soft silk paper that pens wound,  
The messages of love that mortals write  
Filled with intoxication of delight,

Written in April and before the May time  
Shredded and flown, playthings for the wind's playtime,  
We dream that all white butterflies above,  
Who seek through clouds or waters souls to love,

And leave their lady mistress in despair,  
To flit to flowers, as kinder and more fair,  
Are but torn love-letters, that through the skies  
Flutter, and float, and change to butterflies