



# Phaëton

The Official Newsletter of the  
Maryland Entomological Society

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## Meeting Announcement

The Maryland Entomological Society's 302<sup>nd</sup> regular meeting will be held **Friday, 20 February 2015, at 8:00 p.m.**, in **Room 004** (one floor below the street level), **Biological Sciences Building**, University of Maryland Baltimore County (UMBC). Bring a friend and specimens, observations, and books to share. Refreshments will be provided. Presentations are scheduled to begin at 8:15 p.m.

**Speaker: Kelly A. Hamby, Ph.D. – Assistant Professor/Extension Specialist, Department of Entomology, University of Maryland, College Park, Maryland**

**Title: “Exploiting Insect-Microbe Interactions for Sustainable Insect Pest Management”**



A broad diversity of insects has developed relationships with budding yeasts. These yeasts often use insects for dispersal and the insects use the yeasts as a source of amino acids and nutrients. Dr. Hamby will discuss how she is working to exploit these relationships for sustainable insect pest management including the development of improved attractants for monitoring insect pests.

Dr. Kelly Hamby received her Ph.D. in Entomology under the direction of Professor Frank G. Zalom at the University of California Davis with a focus on sustainable Integrated Pest Management strategies for various insect pests. Her dissertation research, titled “Biology and Pesticide Resistance Management of *Drosophila suzukii* in Coastal California Berries” concentrated on monitoring, yeast associations, chronobiology, chronotoxicity of insecticides, and the implications of this work to management of the recent invader, Spotted Wing Drosophila (*D. suzukii* [Matsumura]). [Editor's note: Chronobiology is the study of periodic (cyclic) phenomena in living organisms and their adaptation to solar- and lunar-related rhythms. Chronotoxicity is the study of temporal variation in the presence and severity of adverse effects of chemical substances when administered to an organism at different times of the day.] Kelly

also received a National Science Foundation Graduate Research Fellowship to study molecular mechanisms of target site resistance to insecticides in this system. She earned her Bachelor's degree in Environmental Toxicology with a specialization in Ecotoxicology from UC Davis, where she worked in Dr. Inge Werner's Aquatic Toxicology Laboratory in the School of Veterinary Medicine.

### Meet for Dinner before the Lectures

If you are interested in meeting for dinner before the lectures, you are invited to join the guest speaker and your fellow MES members at [Kibby's Restaurant and Lounge](#), “Home of Baltimore's Best Shrimp Salad Sandwich.” Kibby's is located inside the Baltimore Beltway at 3450 Wilkens Avenue, Baltimore, MD 21229, just 15 minutes from UMBC. Meet at the restaurant **promptly at 6:00 p.m.**

### 21 NOVEMBER 2014 MES MEETING MINUTES

The 301<sup>st</sup> general meeting of the Maryland Entomological Society was held on Friday, 21 November 2014 in Room 004 of the Biological Sciences Building at UMBC. The meeting was called to order at 8:30 p.m. by Co-President **Fred Paras**. The meeting was well attended with over 20 members and guests present. **Ed Cohen** gave us the Treasurer's report and reported that our General Fund Account stood at \$3273.38. In the area of new business, member **Mike Turell** suggested that we should try to recruit younger members to present short programs (10-15 minute duration) at future meetings. This could be extended to meetings other than our May members "Potpourri" nights that we have had over the past several years. Members are being asked to try to locate and encourage younger folks to both attend meetings and share their experiences involving entomology.

Among items on display at the meeting were several display cases of beautiful Morpho butterflies (*Morpho* [Fabricius] spp. [Nymphalidae]) from **Phil Kean**'s collection. After all, what program about South American butterflies is complete without some Morphos!!!

Our thanks are also extended to members **Ed and Joy Cohen** for spicing up our refreshment table with ice cream. Although not considered a cold weather treat, it's still a welcomed one any time of the year.

*Respectfully submitted, Philip J. Kean, MES Vice President.*

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### 21 NOVEMBER 2014 MES LECTURE

**Speaker: William J. Cooper, Ph.D. (Professor, Department of Civil and Environmental Engineering, University of California, Irvine; and Program Director, Environmental Engineering, Division of Chemical, Bioengineering, Environmental and Transport Systems, National Science Foundation, Arlington, Virginia)**

**Title: "The Butterflies of Iguazú Falls, Argentina"**

Our program was truly a visual treat. Dr. William J. Cooper of the University of California Irvine spoke to us of his adventures studying the butterflies of the Iguazú Falls National Park in Argentina. Located along the Iguazú River and forming part of the border between Argentina and Brazil, Iguazú Falls is one of the most spectacular natural wonders to be found in South America. One of the world's largest waterfalls, its spillway spans a distance well in excess of a mile. It also sits in a rich and diverse area of tropical rainforest. Both Argentina and Brazil have established national park preserves in the vicinity of the falls and it is listed as a UNESCO (United Nations Educational, Scientific and Cultural Organization) World Natural Heritage site.

Although Dr. Cooper's professional background is civil and environmental engineering, he became fascinated with butterflies after visiting the Falls several years ago. He has since returned to the park in 2008, 2010, and 2012 with the goal of photo- or video-documenting all the known species of butterflies to be found there. Over 400 species of butterflies and

skippers have been recorded from the region around the Falls. Dr. Cooper has photographed or videotaped over 170 species. Photos and video footage of many of these were shown during the program. Huge numbers of butterflies can be seen "mud puddling" on wet ground and roadways near the Falls. Numerous Papilionidae (swallowtails), Pieridae (sulphurs), Nymphalidae (brushfoots), and Hesperidae (skippers) are often found this way drinking from the moist ground in search of minerals and salts. Nymphalids are especially well represented among the "puddle clubs" with numerous species of *Marpesia* Hübner (daggers), *Doxycopa* Hübner (emperors), *Historis* Hübner (cecropians), *Callicore* Hübner (eighty-eights and numberwings), and others present. So intent are they in their quest for minerals and salts that many specimens were photographed landing on Dr. Cooper himself after being lured by sweat on his clothing. As we watched the close-up video of some of the species, they seemed to be excreting liquid waste as fast as they were drinking it in. Some species, particularly many of the larger skippers, would then re-imbibe their own liquid waste as they excreted it in an attempt to uptake as much salt as they could.

Along the various trails and along the edges of the forest, many other species were photographed coming to flowers, rotting fruit, or perching on foliage. A wide variety of *Heliconius* Kluk (heliconians), Ithomiini (clearwings), Satyridae (wood nymphs), and Riodinidae (metalmarks) were also photographed this way, including *Barbicornis mona* Westwood (alternately: *Barbicornis basilisi mona* Westwood), a rare and seldom seen metalmark. This may be the first time that this species has been photographed live and in its natural habitat.

Our thanks go out to Dr. Cooper for his visually splendid program. He intends to return to the Falls to continue his photo-documentation of its spectacular fauna.

*Respectfully submitted, Philip J. Kean, MES Vice President.*

[*Editor's Note: Bill Cooper's 2010 photo book, The Butterflies of Iguazú Falls, Argentina, is available by contacting him at [WJCOOPER@nsf.gov](mailto:WJCOOPER@nsf.gov).*]

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### "COSTA RICA FOR NATURE LOVERS"

9-23 February 2016

I will be going on the 2016 "Costa Rica for Nature Lovers" trip that will be led by Maria Gerlinde Blaese of Germany. I wish to inform MES members that might be interested in going on this trip. For more details, please see the two attachments that accompany this issue of the *Phaëton*.

*Submitted by MES member Bill Cooper*

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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*.

**Robin G. Todd**

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### BENJAMIN A. FOOTE FILES AVAILABLE

On behalf of the late Dr. Benjamin A. Foote, emeritus professor at Kent State University, Kent, Ohio, and with the approval and encouragement of his widow, Anita, I would like to announce the availability for download of a consolidated, organized set of several thousand files comprising much of the biological data that Dr. Foote accumulated during his lifetime. I have arranged the files by general topic and then, where applicable, by order (mostly Diptera), family, genus, and species. A complete Excel list of the files is available at

<http://www.trinidadbirding.com/BenFooteFiles.xls>. The files can be downloaded as one zipped 309MB file at <http://www.trinidadbirding.com/BenFooteFiles.zip>.

Please note that right-clicking in Windows on “unzip” will fail to unpack the downloaded zipped file. Use an unzipping program such as:

WinZip (<http://www.winzip.com/win/en/downwz.html>),  
7-Zip (<http://www.7-zip.org/>), or  
Free Zip File Opener ([http://download.cnet.com/Free-Zip-File-Opener/3000-2250\\_4-76170817.html](http://download.cnet.com/Free-Zip-File-Opener/3000-2250_4-76170817.html)).

As an alternative to downloading the zipped file, I uploaded the original files so they may be browsed and only files of interest downloaded; see

<http://www.trinidadbirding.com/BenFooteFiles>.

The files of greatest interest to dipterists are in “BenFooteFiles\DIPTERA MANUSCRIPTS\\_FAMILIES OF DIPTERA,” as well as in “BenFooteFiles\REARING RECORDS\\_MISCELLANEOUS.”

For a searchable list of files to help you find items of interest, please see the attachment that accompanies this issue of the *Phaëton*.

I converted many of the files from older formats (WordPerfect, Quattro, dBase III, etc.) to newer ones (Microsoft Office). If a file does not look like you think it should, I would be happy to send you the original. If you have any difficulty downloading or opening the files, please contact me at [billmurphy8@sbcglobal.net](mailto:billmurphy8@sbcglobal.net).

If use of Dr. Foote’s data leads to a publication, it would be appreciated if he were added as coauthor or acknowledged as a contributor.

Please disseminate this information as widely as possible among your biologist friends and associates. Very best regards.

Submitted by MES member **William L. Murphy** (Research Collaborator, Smithsonian Institution, Fishers, Indiana)

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### SAM DROEGE FEATURED ON “AS IT HAPPENS” CBC RADIO-CANADA

MES member **Sam Droege** (Head, Bee Inventory and Monitoring Laboratory, Patuxent Wildlife Research Center) was interviewed by Carol Off on CBC Radio-Canada’s “As It Happens.” The segment was titled “Researcher wants Dalmatian hair to dust bees for photo shoot.” An audio of the interview can be accessed at:

<http://www.cbc.ca/asithappens/features/2015/01/26/dog-hair-needed-for-cleaning-bees/>.

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### JEFF SHULTZ NOMINATED ESA DISTINGUISHED ACHIEVEMENT AWARD IN TEACHING

MES member **Jeff Shultz** (Associate Professor and Director of Graduate Studies, Department of Entomology, University of Maryland, College Park) has been nominated for the 2015 Entomological Society of America’s Distinguished Achievement Award in Teaching.

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### NEW BUTTERFLY RECORDS REPORTED IN 2014 COVERING MARYLAND, DELAWARE, AND DISTRICT OF COLUMBIA

Observation of uncommon butterflies was a challenge for butterfly enthusiasts in the Maryland-DC-Delaware area in 2014. This is evidenced in Rick Borchelt’s very thorough summary, “2014: The Mid-Atlantic Butterfly Year in Review” available at <https://leplog.wordpress.com/2014>. There were only a few exceptions, such as a seeming record number of Northern Metalmarks (*Calephelis borealis* [Grote and Robinson]) in Green Ridge State Forest and showings of the Harvester (*Feniseca tarquinius* [Fabricius]) at some unexpected locations, particularly in Howard County, MD. Nevertheless, a few dedicated butterfly enthusiasts were able to tie down some Maryland county records in 2014, and a new butterfly for District of Columbia was reported during the 2014 DC North American Butterfly Association (NABA) Count! Some records from previous years surfaced too, even a state record in Delaware (for a species you may not have realized had never been reported in that state). These are presented in the outline format below. Entries for the sightings (and photograph(s), if they accompanied record submission) have been entered into and may be viewed at the Butterflies and Moths of North America (BAMONA) permanent record-keeping website at <http://www.butterfliesandmoths.org/>. These may be reviewed in detail by going to this website and selecting “Regional Checklists” and then “butterfly,” “United States,” “Maryland,” and “Apply” and then by selecting the species of interest. You will need to scroll to the United States map displayed at the bottom of the species discussions, zoom in the Maryland area, and click on any of the sighting dots having orange rings. These are BAMONA’s “Verified Sightings.” Clicking on the “More Detail” option will take you to the record information (and photo(s) too, if these were submitted).

I have also recently updated my public online historical Maryland and Delaware butterfly county lists to include your new records. These appear at the Leplog website under its local listings section at: <http://leplog.wordpress.com/washington-area-butterfly-club/local-and-regional-lists-and-info/butterfly-records-for-maryland-delaware-and-the-district-of-columbia/>. The prolog at this link gives some historical background on the listing and informs the user as to how to access all state, county, and city butterfly lists and state cross-sectional county-by-county occurrence charts.



The outline below gives in the following order: the state and new county of record, the species common name, the species scientific name, the date of record, the location of record, the name(s) of the record contributor(s), and finally any record-related notes. All contributors are to be commended for their diligence in keeping a watchful eye while out in the field.

Lastly, if you are aware of any new butterfly records from a county or statewide standpoint, from 2014 or earlier, that were not yet announced or I apparently overlooked, please let me know by e-mail at [richard.smith@jhuapl.edu](mailto:richard.smith@jhuapl.edu). Also, if you are aware of any butterfly county records that actually precede those listed below, please send me that information so I can correct and amend the bookkeeping. Thanks much.

### MARYLAND

#### Allegany County

- a. Carolina Satyr
- b. *Hermeuptychia sosybius* (Fabricius)
  - i. 6 June 2014
  - ii. along Fifteen Mile Creek 1.5 mi. s. of I-68
  - iii. MES member **Philip Kean**

#### Allegany County

- a. Swarthy Skipper
- b. *Nastra lherminier* (Latreille)
  - i. 10 August 2002
  - ii. Green Ridge State Forest near Little Orleans
  - iii. MES members **Dick Smith & Fran Pope**; Mary LaMarca
  - iv. Thanks go to Fran Pope for remembering this sighting when we noticed no record for this species yet for the county

#### Anne Arundel County

- a. Edwards' Hairstreak
- b. *Satyrrium edwardsii* (Grote and Robinson)
  - i. 2 July 2014
  - ii. Bristol
  - iii. MES member **Rick Borchelt**
  - iv. Photo voucher obtained

#### Frederick County

- a. Gulf Fritillary
- b. *Agraulis vanilla* (Linnaeus)
  - i. 28 September 2011
  - ii. Frederick (town)
  - iii. Jo Beth Roberson and Darrell Davis
  - iv. Visiting passionvine at residence; photo voucher obtained

#### Harford County

- a. Giant Swallowtail
- b. *Papilio cresphontes* Cramer
  - i. 18 August 2014
  - ii. Forest Hill
  - iii. Matt Hafner
  - iv. Visiting garden Delphiniums; photo voucher obtained

#### Talbot County

- a. Banded Hairstreak
- b. *Satyrrium calanus* (Hübner)
  - i. 14 June 2014
  - ii. Seth Demonstration Forest, Easton

- iii. Jim Brighton
- iv. Four specimens seen; photo voucher obtained

#### Wicomico County

- a. Southern Cloudywing
- b. *Thorybes bathyllus* (J. E. Smith)
  - i. 15 June 2013
  - ii. Colbourne Mill Rd., se. of Salisbury
  - iii. Jim Brighton
  - iv. Photo voucher obtained

### DISTRICT OF COLUMBIA RECORD

- a. White Admiral
- b. *Limenitis arthemis arthemis* (Drury)
  - i. 17 August 2014
  - ii. National Arboretum
  - iii. Tom Stock and NABA Count party
  - iv. Observed on tree branch high above ground

### DELAWARE RECORD

#### New Castle County

- a. Silvery Checkerspot
- b. *Chlosyne nycteis* (E. Doubleday)
  - i. 16 September 2012
  - ii. University of Delaware garden
  - iii. Allan Loudell

Submitted by MES member **Richard H. (Dick) Smith**

### 2015 ANNOUNCEMENT AND UPDATE ON THE BUTTERFLY UNKNOWN SPECIES STATUS PROJECT IN MARYLAND, DELAWARE, AND DC

Butterfly Surveyors,  
Butterfly populations are known to be dwindling worldwide, and that trend has been observed in some of our species locally. In an effort to promote conservation, it is important to keep abreast of which local species are showing such signs of decline, and then concerned naturalists will hopefully be able to do something about it before it gets worse. In this effort, I am circulating the accompanying charts to local naturalists who I know have toured through Maryland and Delaware in recent years and have assembled lists of butterfly species they have encountered. By filling in data in the attached charts for counties and cities where **Unknown** status is indicated, we will be better able to concentrate our attention onto those remaining species for which status remains **Unknown** and for which declines may be occurring.

On the attached charts, the check mark (✓) indicates that a record exists for a species. For certain recorded species occurrences, **A**, **S**, and **X** symbols are used instead of the check marks. The **A** and **S** symbols indicate, respectively, that the species record is due either to an **Accidental** occurrence (i.e., accidental release or introduction) or to a **Stray** (i.e., species incidentally wandering far from normal range). The **X** indicates that based on observations of local lepidopterists and my own over a period of many years, the species apparently no longer occurs in the jurisdiction shown and is therefore considered to be **eXtirpated** there. The symbol **U** (for **Unknown**) is entered on species that are uncommon in some of the counties and cities

and for which I have received few or no records of occurrence of the species in these jurisdictions in the past 15 years. For the species marked **U** in a particular jurisdiction, you are asked to provide the date and location (nearest town is sufficient) of your latest observation of that species in that jurisdiction, if you have seen it there. I publish the latest version of these Unknown Status charts once each year (usually in January or February) on the Leplog website at <https://leplog.wordpress.com/regional-lists/>. By citing the latest date, we will be able to assess how recently each of these species is known to have occurred in the area of interest. If certain species are eventually found to have disappeared from major parts of our region, conservation measures, such as protection of known habitat, will need to be implemented in surviving areas. Of course, if anyone observes a species currently identified with an **X** in an indicated area, this information will be vitally important; and conservation measures should be considered promptly at the sighting locality. Since initiating this project early in 2011, I have received a large number of records from many of you for the Unknown Status Charts. Thank you all much for this. I have also obtained a lot of recent records by poring through butterfly entries on the Maryland Biodiversity Project website at <http://www.marylandbiodiversity.com/> (these are indicated in my chart entries by “MBP”). I am grateful for their work in assembling such recent records.

Some tentative conclusions can already be drawn based on receipt of no records yet from entire regions of Maryland in which certain species were historically known. Here are my notes on this:

- Hoary Edge (*Achalarus lyciades* [Geyer]) – no new records, except in Western Maryland
- Sleepy Duskywing (*Erynnis brizo* [Boisduval and Le Conte]) – no new records, except in Western Maryland
- European Skipper (*Thymelicus lineola* [Ochsenheimer]) – no new records, except in Western Maryland
- Delaware Skipper (*Anatrytone logan* [W. H. Edwards]) – no new records in Central Maryland
- Black Dash (*Euphyes conspicua* [W. H. Edwards]) – no new records, except in Garrett County
- Dusted Skipper (*Atrytonopsis hianna* [Scudder]) – no new records, except in Howard and Wicomico Counties
- Common Roadside-Skipper (*Amblyscirtes vialis* [W. H. Edwards]) – no new records, except in Western Maryland and Soldiers Delight Natural Environment Area (Baltimore County)

In addition, I have noticed an absence of recent sightings of Dreamy Duskywing (*Erynnis icelus* [Scudder and Burgess]) in Central and Southern Maryland (it does not occur on the Eastern Shore), so I have added this species, with a lot of **U**'s indicated in respective counties, where recent records are requested. Finally, the Bronze Copper (*Lycaena hyllus* [Cramer]) has experienced a marked decline, even on the Eastern Shore where it used to be frequent, in recent years. Thus, I have replaced the checkmarks I had for it in past Unknown Status charts with **U**'s for many of the Eastern Shore counties where it was thought to

have been secure. Any recent records in those counties would also be appreciated.

Fortunately, we are on the road to being reassured that several of our other native butterfly species are still occurring in the cities and counties previously known from the historical record. However, there is still an abundance of “**U**” entries on these charts for many species. Please send in any new data if you have it or when it becomes available. Also, if anyone has later years than the existing occurrence dates in the present charts, please forward that information to me too. Finally, please inform me if you notice that I have apparently missed entering some of your contributed data. My e-mail address is [richard.smith@jhuapl.edu](mailto:richard.smith@jhuapl.edu). Here's hoping you all have great seasons this coming year in observing butterflies and that you will be able to help replace many more **U**'s in my charts with recent data entries.

Submitted by MES member **Richard H. (Dick) Smith**

(Footnote: for those of you who are more knowledgeable about statewide conservation activity involving butterflies, note that some (but not all) of the species omitted from my Unknown Status charts are those already considered to be rare, threatened, endangered, or extirpated in Maryland or Delaware and for which conservation considerations and measures have already been placed into action. For more on these species, please see the information and publications available at the Maryland and Delaware Natural Heritage Program websites at [http://www.dnr.state.md.us/wildlife/Plants\\_Wildlife/espaa.asp](http://www.dnr.state.md.us/wildlife/Plants_Wildlife/espaa.asp) and <http://www.dnrec.delaware.gov/fw/NHESP/information/Pages/Information.aspx>.)

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

**A Call for Proposals**

**Due: Friday, 6 March 2015**

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. Hojun Song, 2015 SysEB President ([hsong@tamu.edu](mailto:hsong@tamu.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. Hojun Song ([hsong@tamu.edu](mailto:hsong@tamu.edu)).

**UNIVERSITY OF MARYLAND  
DEPARTMENT OF ENTOMOLOGY COLLOQUIA**

**Fri, 13 February 2015, 12:00 p.m.**  
**“Developing Effective Behaviorally-based Monitoring and Management Tools for the Invasive Brown Marmorated Stink Bug”**

Tracy C. Leskey, Ph.D. (Research Entomologist, Appalachian Fruit Research Laboratory, Agricultural Research Service, United States Department of Agriculture)

**Fri, 20 February 2015, 12:00 p.m.**  
**“Mechanisms Regulating Condition-dependent Growth in the Elaborate Weapons of Sexual Selection in Beetles”**  
Laura C. Lavine, Ph.D. (Associate Professor, Department of

Entomology, Washington State University)

**Fri, 27 February 2015, 12:00 p.m.**  
**“Malaria Population Dynamics in Arid Regions under Irrigation Development”**

Andres Baeza Castro, Ph.D. (Postdoctoral Fellow, National Socio-Environmental Synthesis Center [SESYNC])

**Fri, 6 March 2015, 12:00 p.m.**  
**“Decoding Brood Pheromone: how Honey Bee larvae influence colony dynamics”**

Kirsten S. Traynor, Ph.D. (Postdoctoral Researcher, Department of Entomology, University of Maryland; Editor, *Bee World*, International Bee Research Association)

**Fri, 13 March 2015, 12:00 p.m.**  
**“TBD”**

Ted Schultz, Ph.D. (Research Entomologist, Curator of Hymenoptera [Ants], Department of Entomology, National Museum of Natural History, Smithsonian Institution)

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



**Central Maryland Beekeepers Association**

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

**MEMBERS MEETINGS**

**Tue, 3 March 2015; 7:00 p.m.**  
Speaker: Deborah A. Delaney, Ph.D. (Assistant Professor of Entomology, Department of Entomology and Wildlife Ecology, University of Delaware)

**Tue, 7 April 2015; 7:00 p.m.**  
Speaker: TBA

**Tue, 5 May 2015; 7:00 p.m.**  
Speaker: TBA

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/>.

**ENTOMOLOGICAL SOCIETY OF WASHINGTON  
PUBLIC MEETING**

**Thu, 5 March 2015; 7:00 p.m.**  
Topic: TBA  
Speaker: TBA  
National Museum of Natural History, Smithsonian Institution, Washington, DC  
<http://entsocwash.org/>.

**ENTOMOLOGICAL SOCIETY OF AMERICA  
EASTERN BRANCH ANNUAL MEETING**

**Sat-Tue, 14-17 March 2015**

Atlantic Sands Hotel & Conference Center, (101 North Boardwalk) 1 Baltimore Avenue, Rehoboth, Delaware 19971.

An encapsulated program is available at:  
<http://entsoc.org/PDF/Eastern/EB2015Program1.pdf>.

Additional information can be found at:  
<http://entsoc.org/eastern/2015-eastern-branch-annual-meeting>.

**AMERICAN ENTOMOLOGICAL SOCIETY  
PUBLIC MEETING**

**Wed, 25 March 2015; 7:00 p.m.**  
**“Phthiraptera and Bird Host Specificity”**

Jason D. Weckstein, Ph.D. (Associate Curator of Ornithology, Academy of Natural Sciences of Drexel University; Associate Professor, Department of Biodiversity, Earth & Environmental Science, Drexel University)

**Wed, 22 April 2015; 7:00 p.m.**

Speaker: TBA  
Topic: TBA

The Academy of Natural Sciences of Drexel University, Ewell Sale Stewart Library, Second Floor, 1900 Benjamin Franklin Parkway, Philadelphia, Pennsylvania  
<http://darwin.ansp.org/hosted/aes/mtgSched.htm>.

**TWO-DAY “BEGINNERS BEEKEEPING COURSE”  
UNIVERSITY OF MARYLAND**

**Sat & Sun, 28-29 March 2015**

Do you want to learn the skills to succeed in beekeeping? Come join us 28-29 March 2015 for the “Beginners Beekeeping Course” at the University of Maryland, College Park.

Who we are:

You will be learning from honey bee researcher and UMD professor, Dennis vanEngelsdorp. Bee Informed Partnership Executive Director Karen Rennich, Maryland State Beekeeping Association President Toni Burnham, Maryland State Apiarist Cybel Preston, Honey bee writer and researcher Kirsten Traynor, and several other dedicated honey bee researchers.

What you’ll get:

An entire weekend of lessons by experienced beekeepers teaching you how to:  
-obtain bees;  
-what beekeeping equipment is necessary;  
-how to install your new colony into your own equipment; and

-how to bring your bees successfully through the first year.

In addition to meeting local bee researchers and instructors, you will also be introduced to your local bee clubs, and have facilitated discussions and Q&A. Lunch and coffee breaks will be provided both days. Vendors will be on hand to sell and place orders for equipment.

For more information or to register visit our website at:  
<https://app.certain.com/profile/form/index.cfm?PKformID=0x1988997b8e8>.

ATTENTION: If you are an experienced beekeeper and would like to register for free as a “Bee Ambassador” for your local bee group, please contact us for a special registration link and more information.

Or contact: Grace Kunkel at [gkunkelUMD@gmail.com](mailto:gkunkelUMD@gmail.com).

**2014/2015 PROPOSED MES EVENT SCHEDULE**

Regular MES lecture/meetings are held at UMBC on the 3<sup>rd</sup> Friday of each of 6 months coinciding with UMBC’s academic year. Proposed events for the current MES membership year are:

<u>Date</u>	<u>Speaker</u>	<u>Topic</u>
Oct 17	Jeffrey Shultz	Diversity & Sex Lives of Daddy Longlegs
Nov 21	William Cooper	The Butterflies of Iguazú Falls, Argentina
Feb 20	Kelly Hamby	Exploiting Insect-Microbe Interactions
Mar 20	Gary Hevel	Comprehensive Backyard Insect Survey
Apr 17	Floyd Shockley	Four Families: Handsome Fungus Beetles
May 15	Members’ & Students’	Presentations & Elections
TBA	Survey/Field Trip	
Sept 20	Crab Feast/Meet-&-Greet	at J. KING’S Restaurant

**OCT 2014 – SEP 2015 MES MEMBERSHIP YEAR  
OFFICERS**

Co-Presidents	Timothy Foard & 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
Publications Editor	Eugene J. Scarpulla

**SUBMITTAL DEADLINES**

MAR 2015 issue of the *Phaëton*:

Please send member news items by 6 March 2015.

SEP 2015 issue of *The Maryland Entomologist*:

Please send first drafts of articles and notes by 1 April 2015.

Send drafts for both publications to [ejscarp@comcast.net](mailto:ejscarp@comcast.net).