



Phaëton

The Official Newsletter of the
Maryland Entomological Society

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For Christmas 2012, Marcia and I asked our artist/cartoonist friend Ross Holtz to create an entomological holiday card that we could send to friends and family. The only guidance was that the insects had to be more-or-less entomologically correct. We are sharing last year's holiday card with you for the 2013 holiday season. (Ross is busily creating another design for us again this year.) "Happy Holidays" from Gene Scarpulla and Marcia Watson.



Hoppy Holidays!

Gene & Marcia

Original Artwork by *Ross E. Holtz*
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For more information concerning upcoming lecture/meetings, please contact one of the following people:

Annapolis Area:	Harold Harlan	(410) 923-0173 (Home)	haroldharlan@comcast.net
Baltimore Area:	Fred Paras	(410) 374-0425 (Home)	bugandrockman@msn.com
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DON'T FORGET TO RENEW
 IT'S MEMBERSHIP RENEWAL TIME
 OCT 2013 – SEP 2014 MEMBERSHIP YEAR

Membership renewal forms were inserted in the front of the September 2013 issue of *The Maryland Entomologist* that was mailed out in September. If the date on your address label reads 2013, it is time for you to renew for the “October 2013 – September 2014” membership year. Please check that your contact information is correct and return the form along with your dues to: **Edgar A. Cohen, Jr.** (MES Treasurer), 5454 Marsh Hawk Way, Columbia, MD 21045.

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*.

Frank D. Fee
M. Alma Solis & Jason P. W. Hall
Robert B. Trumbule
Joseph D. Zeligs

THE “HAROLD HARLAN STRAIN” OF BEDBUGS

MES member **Harold Harlan**'s strain of bedbugs are the featured insect in a recently published article titled Morphological and Ultrastructural Characteristics of the Chorion of *Cimex lectularius* Linnaeus (Hemiptera: Cimicidae) by Gerald T. Baker, Amanda Lawrence, Richard Kuklinski, and Jerome Goddard. The article was published in the October 2013 issue of the *Proceedings of the Entomological Society of Washington* 115(4):325-332. This paper details the intricate structure of bedbug eggs using scanning and transmission electron microscopy. The abstract and literature cited for the article can be accessed at:
<http://www.bioone.org/doi/abs/10.4289/0013-8797.115.4.325>.

2013 ODONATA OF MARYLAND & DC ANNUAL REPORT

MES member **Richard L. Orr**'s annual report summarizes the status of the distribution of the known Maryland/DC dragonflies and damselflies at the close of the 2013 field season. Sixteen (16) new Maryland county records were added. The most interesting find for the year for Richard was the increase in the number of *Ophiogomphus susbehcha* Vogt and Smith (St. Croix Snaketail) found this spring along the Potomac River.

Richard Orr's updated MD/DC odonate list can be viewed at:
<http://www.marylandinsects.com/MDDCOdonateRecords.html>.

PROCEEDINGS OF THE ENTOMOLOGICAL SOCIETY OF WASHINGTON – 2013

The following articles were published by MES members in the *Proceedings of the Entomological Society of Washington* during 2013. MES Member names are **bolded**. Abstracts and literature cited can be accessed at the appropriate hyperlink.

Bowles, David E., **Richard G. Robbins**, **Harold J. Harlan**, and Terry L. Carpenter
 New Missouri County Records and Review of the Distribution and Disease Vector Potential of *Ornithodoros kelleyi* (Arachnida: Ixodida: Argasidae) and *Cimex adjunctus* (Insecta: Hemiptera: Cimicidae)
 115(2):117–127
<http://www.bioone.org/doi/abs/10.4289/0013-8797.115.2.117>.

Henry, Thomas J.

Cymapamphantus valentineorum, a New Genus and Species of Pamphantinae (Heteroptera: Lygaeoidea: Geocoridae) from the British Virgin Islands, with a Checklist of the Species and Keys to the Tribes and Genera of the Subfamily
 115(4):392–401
<http://www.bioone.org/doi/abs/10.4289/0013-8797.115.4.392>.

Henry, Thomas J., Daniel E. Perez-Gelabert, **Warren E. Steiner, Jr.**, and Ernst Heiss

Brachyrhynchus membranaceus (Fabricius), an Old World Flat Bug (Hemiptera: Heteroptera: Aradidae: Mezirinae) Newly Discovered in the Western Hemisphere
 115(4):342–348
<http://www.bioone.org/doi/abs/10.4289/0013-8797.115.4.342>.

Lingafelter, Steven W., and Michael A. Ivie

A New Genus of Mimetic Longhorned Beetle from St. Lucia, Lesser Antilles (Coleoptera: Cerambycidae: Rhinotragini)
 115(3):268–273
<http://www.bioone.org/doi/abs/10.4289/0013-8797.115.3.268>.

Shockley, Floyd W., and Dale Greenwalt

Ptenidium kishenehnicum (Coleoptera: Ptiliidae), a New Fossil Described from the Kishenehn Oil Shales, with a Checklist of Previously Known Fossil Ptiliids
 115(2):173–181
<http://www.bioone.org/doi/abs/10.4289/0013-8797.115.2.173>.

REQUEST FOR HISTORICAL INFORMATION ABOUT THE KARNER BLUE BUTTERFLY

To entomologists and butterfly enthusiasts:

Do you have records of past sightings of the Karner Blue Butterfly in your collections or databases? If so, would you be willing to share those data with us?

For the past several years, the Jessica Hellmann Laboratory at the University of Notre Dame has conducted experiments to understand the effects of climate change on the Karner Blue Butterfly, *Lycaeides melissa samuelis* Nabokov (Lycaenidae) [or *Plebejus melissa samuelis* (Nabokov)]. As part of this effort, we are compiling a database of historic Karner sightings in the U.S. and Canada. We already have a large list, containing more than 36,000 sightings and dating back as far as 1869. Our project will use these data to perform climate envelope modeling and habitat characteristics comparisons between the present and past.

At this point, to make our database as comprehensive as

possible, we are reaching out to all museums, universities, nature centers, and collectors on this listserv who may have records for this species, and requesting access to this information.

So, if you are in possession of any such information, please contact us:

E-mail: rgrundel@usgs.gov

Address: Ralph Grundel
United States Geological Survey
1100 N. Mineral Springs Road
Porter, IN 46304

Fax: (219) 929-5792

For telephone inquiries, contact Sarah Klepinger at the Jessica Hellmann Laboratory (574) 631-0296, or Ralph Grundel at (219) 926-8336, ext. 422.

If you have observations that we should be accessing remotely, let us know and we'll get them, if you prefer. The most important information for our studies are the geographic location and the date of each sighting. Specific geographic coordinates are appreciated, but if we are given precise verbal descriptions of locations, we can obtain accurate coordinates. Although all observational data are potentially useful, we are especially interested in receiving the most accurate geographic information you have associated with your specimen, the sex of the specimen, and the date of the observation. Additional information, such as collector, or location of the collection, will also be entered into the database as available.

Everyone at the Hellmann Laboratory is tremendously grateful for your time and attention to this matter.

Thank you!!

Sarah Klepinger

[Editor's Note: Following last month's rave review of the new jewel beetle guide, now we take a step in the other direction.]

BOOK REVIEW

DR. BADER'S PEST CURES: NATURAL SOLUTIONS TO THINGS THAT BUG YOU

Dr. Myles H. Bader. 2012. (self-published). 404 pp.

You have probably seen the television commercial for the book *Dr. Bader's Pest Cures: Natural Solutions to Things That Bug You* by Dr. Myles H. Bader and your curiosity may have been aroused. I stumbled across this book at my local Walgreen's and purchased it for \$10.99. Since I tend to be a mosquito magnet, I browsed the chapter on mosquitoes and found a section titled "Pamper the Marlins" [sic] (p. 238). It mentioned building "apartment-style birdhouses" since "Purple marlins [sic] love mosquitoes." This was a portent of things to come. Further investigation found this book to be the most poorly written, poorly edited book that I have ever examined. The text is riddled with spelling, punctuation, and misused-word errors. Sections are highly repetitious. But even the repetitions don't always agree. Regarding the number of mosquito species in the world, the chapter states "2500" (p. 229), "approximately 2700"

(p. 230), and "3500" (p. 231). One can only speculate that speciation has taken place on successive pages. The squash bug [*Hemiptera*] and the tree cricket [*Orthoptera*] are included in the chapter on beetles [*Coleoptera*]. The dobsonfly [*Megaloptera*] is included in the chapter on flies [*Diptera*]. Regarding the range of the Lone Star Tick, the book states that it "is usually found in Illinois, although it can occasionally be found further [sic] north" [*The actual range is throughout the northeastern, southeastern and south-central states.*]. Bader's book states that whiteflies [*Hemiptera*] "are moth-like flies." Regarding the tiger beetle, the book implies that there is only one species and that it "is only found in the Western United States."

Whether any of the proposed "natural solutions" actually work, I have no idea. The book is an annoying read due to the profusion of errors and the continuing repetitiveness. If you can endure all of that, the book can be amusing at times. I award the book 1 out of 5 potential insect nets.

Submitted by **Gene Scarpulla**, *MES Publications Editor*

"BALTIMORE CBP INTERCEPTS TWO FIRST IN PORT INSECTS"

A 11 December 2013 U.S. Customs and Border Protection (CBP) news release reports that the U.S. Department of Agriculture (USDA) - Animal and Plant Health Inspection Service (APHIS) - Plant Protection and Quarantine (PPQ) identifier confirmed on 6 December 2013 that CBP agriculture specialists intercepted two new Baltimore first in port insects.

On 25 June 2013, CBP agriculture specialists intercepted a scale insect, a species of *Palmaspis* Bodenheimer (Hemiptera: Asterolecaniidae), while inspecting a palm leaf hat worn by a traveler from Jamaica at Thurgood Marshall International Airport.



The type species: *Palmaspis phoenicis* (Ramachandra Rao) (Hemiptera: Asterolecaniidae). (Image courtesy of Systematic Entomology Laboratory, Agricultural Research Service, USDA. http://www.sel.barc.usda.gov/scalekeys/otherscales/key/miscelaneousscales/media/html/species/06palm_phoenicis/1palm_phoenicisdesc.html. Accessed 13 December 2013)

On 20 November 2013, CBP agriculture specialists intercepted an ant, *Dolichoderus quadripunctatus* (Linnaeus)

(Hymenoptera: Formicidae), while inspecting a containerized shipment of ceramic tiles from Italy.



***Dolichoderus quadripunctatus* (Linnaeus) (Hymenoptera: Formicidae).** (Photographed by April Nobile. From www.antweb.org. Accessed 13 December 2013)

The full news release can be accessed at: http://www.cbp.gov/xp/cgov/newsroom/news_releases/local/12112013_2.xml.

“BALTIMORE CBP FINDS TWO AGRICULTURE THREATS”

A 14 November 2013 U.S. Customs and Border Protection (CBP) news release reports that the U.S. Department of Agriculture (USDA) - Animal and Plant Health Inspection Service (APHIS) - Plant Protection and Quarantine (PPQ) identifier confirmed on 5 November 2013 that CBP agriculture specialists at the Port of Baltimore encountered two new agricultural pests in the Baltimore area. The specialists intercepted a snail, *Monacha ocellata* (Roth) (Hygromiidae), while inspecting a shipment of furniture from Vietnam on 18 October 2013, and Panic Liverseed Grass, *Urochloa panicoides* P. Beauv (Poaceae), while inspecting a shipment of corn from Argentina on 19 September 2013.



***Monacha ocellata* (Roth) (Hygromiidae).** (Image courtesy of MES Member **Jim Young**, USDA-APHIS-PPQ Baltimore.)



Panic Liverseed Grass, *Urochloa panicoides* P. Beauv (Poaceae). (Image courtesy of MES Member **Jim Young**, USDA-APHIS-PPQ Baltimore.)

The full news release can be accessed at: http://www.cbp.gov/xp/cgov/newsroom/news_releases/local/11142013_12.xml.

ENTOMOLOGICAL SOCIETY OF WASHINGTON PUBLIC MEETING

Thu, 2 January 2014; 7:00 p.m.

Topic: TBA

Speaker: TBA

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

<http://entsocwash.org/>.

25TH USDA INTERAGENCY RESEARCH FORUM ON INVASIVE SPECIES

Tue-Fri, 7-10 January 2014

General Topics include:

- *Invasive Plants and Their Impacts
- *Gypsy Moth Research
- *Risk Assessment for Invasive Species
- *Exotic Wood Boring Insects
- *Biological Control
- *Alien Forest Pathogens
- *International Forest Insects and Disease Reports

Loews Annapolis Hotel, 126 West Street, Annapolis, Maryland
http://www.nrs.fs.fed.us/disturbance/invasive_species/interagency_forum/.

INTERSTATE PEST MANAGEMENT CONFERENCE

Wed-Thu, 29-30 January 2014

The University of Maryland Department of Entomology and Maryland Extension Service present the 36th Annual Interstate Pest Management Conference. The Conference attracts hundreds of professionals in urban and structural pest management each year for comprehensive training by leading experts from industry, government and academia.

Maritime Institute of Technology - Training and Conference Center, 692 Maritime Boulevard, Linthicum, Maryland
<http://entomology.umd.edu/interstatepestmanagementconference>.

**THE GEORGE WASHINGTON UNIVERSITY
ENTOMOLOGY SEMINAR**

Fri, 31 January 2014, 3:00 p.m.

“Honey Bee Host-Microbe Interactions and Disease”

Seminar by Dr. Jay D. Evans (Research Entomologist, United States Department of Agriculture, Agricultural Research Service, Bee Research Laboratory, Beltsville, Maryland)
The George Washington University, Corcoran Hall 106, 2023 G St. NW, Washington DC
<http://departments.columbian.gwu.edu/biology/about/seminars>.

2013/2014 PROPOSED MES EVENT SCHEDULE

Regular MES lecture/meetings are held at UMBC on the 3rd Friday of each of the 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>
Sep 8	Crab Feast/Meet-&-Greet at J. KING’S Restaurant	
Oct 18	Harold Harlan	New & Novel Mosquito Control Options
Nov 15	Sam Droege	High Resolution Insect Photography
Feb 21	Andrew Ulsamer	Colony Collapse Disorder

Mar 21	Lecture	TBA
Apr 18	Lecture	TBA
May 16	Members’ Potpourri	Presentations & Elections
TBA	Survey/Field Trip	TBA

OCT 2013 – SEP 2014 SOCIETY 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

JAN 2014 issue of the *Phaëton*:

Please send member news items by 3 January 2014.

SEP 2014 issue of *The Maryland Entomologist*:

Please send first drafts of articles and notes by 1 April 2014.

Send drafts for both publications to ejscarp@comcast.net.
