



Phaëton

The Official Newsletter of the
Maryland Entomological Society

Volume 32, Number 10

September 2012

EDITOR: **Eugene J. Scarpulla** – ejscarp@comcast.net
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

October Meeting Pre-Announcement

The Maryland Entomological Society's 288th regular meeting will be held **Friday, 19 October 2012**, 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: **Leo J. Kenefic, PhD, Postdoctoral Fellow, University of Maryland School of Medicine, Center for Vaccine Development, Malaria Group, Baltimore, MD**

Topic: Dr. Kenefic will be speaking about two aspects of his malaria research with *Plasmodium falciparum* (Welch) genomics. The first involves resistance to the first line drug artemisinin along the Thai-Cambodian border and finding a molecular correlate to this drug. The second is the making of a malaria vaccine from a molecular biology perspective, i.e., specifically using genomics to inform vaccine development, in particular testing a protein called CyRPA as a suitable candidate. (The title and full topic description will appear in the October *Phaëton*.)

November Meeting Pre-Announcement

The Maryland Entomological Society's 289th regular meeting will be held **Friday, 16 November 2012**, 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: **Stephen D. Allgeier, Faculty Extension Assistant, University of Maryland, College of Agriculture & Natural Resources, Home Horticulture & Master Gardener Coordinator (Carroll County), Westminster, MD**

Topic: Steve Allgeier will be speaking about the current pest status of the Brown Marmorated Stink Bug, *Halyomorpha halys* (Stål) (Hemiptera: Pentatomidae), new chemistry involved for their control, new methodologies for trapping, and more. (The title and full topic description will appear in the November *Phaëton*.)

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 Wilkins Avenue, Baltimore, MD 21229, just 15 minutes from UMBC. Meet at the restaurant **promptly at 6:00 p.m.**

For more information concerning these 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
	Phil Kean	(410) 944-4630 (Home)	
	Frank Hanson	(410) 455-2265 (Biological Sciences, UMBC)	hanson@umbc.edu
Bowie Area:	Gene Scarpulla	(301) 464-3170 (Home)	ejscarp@comcast.net
Southern MD:	Bob Platt	(410) 586-8750 (Home)	platt@umbc.edu

**MEMBERSHIP RENEWAL TIME
OCT 2012 – SEP 2013 MEMBERSHIP YEAR**

Membership renewal forms will be found in the front of this year's issue of *The Maryland Entomologist* (September 2012) which will be mailed out later this month. Please check that your contact information is correct and return the form with your dues to MES Treasurer **Ed Cohen**.

**THE MARYLAND ENTOMOLOGIST
Volume 5, Number 4, September 2012**

This year's issue of *The Maryland Entomologist* features the following articles and authors: "A Key and Brief Commentary for Small Iridescent Species of *Chrysobothris* Eschscholtz (Coleoptera: Buprestidae) from Maryland" – Joshua P. Basham and Frank G. Guarnieri; "First Records of the Deer Nasal Bot Fly, *Cephenemyia phobifer* (Clark) (Diptera: Oestridae), in Maryland" – Warren E. Steiner, Jr. and Norman E. Woodley; "Possible Natural Backcrossing of a Male Hybrid Admiral, *Limnitis* (Fabricius) (Lepidoptera: Nymphalidae), in Quebec with Supporting Laboratory Evidence" – Austin P. Platt, Lee D. Miller, and Jacqueline Y. Miller; "An August Survey of Wild Bees (Hymenoptera: Apoidea) in the Northeastern Port Areas of Baltimore, Maryland and the Second North American Record of *Pseudoanthidium nanum* (Mocsáry) – Addendum" – Samuel W. Droege and Leo H. Shapiro; "Bees (Hymenoptera: Apoidea) of the Dominion Cove Point Liquefied Natural Gas Facility and Vicinity, Calvert County, Maryland – Addendum" – Leo H. Shapiro and Samuel W. Droege; "First Maryland Record for a Rare Slave-making Ant, *Temnothorax duloticus* Wesson (Hymenoptera: Formicidae: Myrmicinae)" – Timothy Foard; "Associations of Ants (Hymenoptera: Formicidae) on Oaks and Pines in Inland Dune and Ridge Woodlands in Worcester County, Maryland" – Jennifer A. Frye and Christopher T. Frye; and "Summary and Taxonomic Index of The Maryland Entomologist: Volume 1, Number 1: February 1977 – Volume 5, Number 4: September 2012" – Eugene J. Scarpulla.

**MICHAEL J. RAUPP RECEIVES INTERNATIONAL
SOCIETY OF ARBORICULTURE'S 2012**

"AUTHOR'S CITATION" AWARD OF DISTINCTION

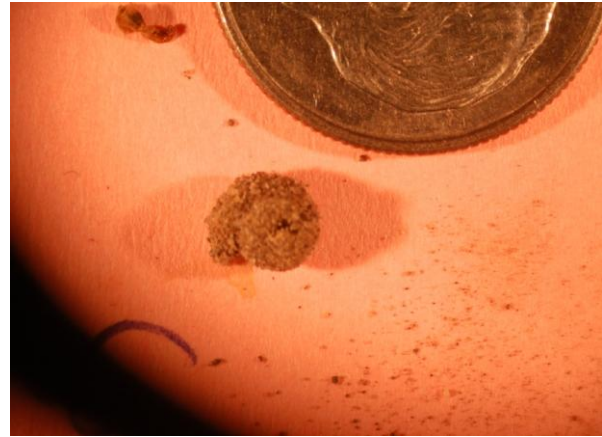
On 12 August 2012, MES member **Mike Raupp** (Professor, Department of Entomology, University of Maryland, College Park) was recognized by the [International Society of Arboriculture](#). Mike was presented the 2012 "Author's Citation" Award of Distinction based on his exceptional achievements, including: 1) developing Integrated Pest Management (IPM) programs; 2) passing on his knowledge of arboriculture through hundreds of books, articles, and professional papers; and 3) being a nationally recognized expert and educational author of the award-winning website, "[Bug of the Week](#)". Congratulations to Mike!

CURRENT MEMBER DEMOGRAPHICS

The 99 current members of the Maryland Entomological Society have mailing addresses in 16 states as well as DC. The geographic breakdown is as follows: Maryland-69, Virginia-7,

District of Columbia-5, Florida-3, Pennsylvania-3, Arizona-1, California-1, Connecticut-1, Delaware-1, Indiana-1, Maine-1, Missouri-1, New York-1, North Carolina-1, Texas-1, West Virginia-1, and Wyoming-1.

**SNAILCASE BAGWORM, *Apterona helix* (Siebold)
NEW(?) IN MARYLAND**



Snailcase Bagworm Larval Case. (Photographed by Ashley D. Bodkins. Oakland, Garrett County, Maryland, 29 June 2012.)

Ashley D. Bodkins (Faculty Extension Assistant, University of Maryland College of Agriculture & Natural Resources, Garrett County) observed 50-60 insects on a mailbox in Oakland, Garrett County, Maryland. Being unfamiliar with the insects, she photographed them and sent the images to Mary Kay Malinoski (Principal Agent and Regional Extension Specialist, Entomology, at The University of Maryland Extension Home and Garden Information Center). Mary Kay forwarded the images to MES member **Gaye Williams** (Entomologist, at the Maryland Department of Agriculture's Plant Protection and Weed Management Section) for her to identify. The photos were identified as the Snailcase Bagworm, *Apterona helix* (Siebold) (Lepidoptera: Psychidae [Bagworms]) which builds a coiled case approximately 4 mm (~ 1/8 -3/16 in) in diameter. See the following Penn State Extension Fact Sheet, <http://ento.psu.edu/extension/factsheets/snailcase-bagworm>, for additional information about this insect. Previously, Gaye had only read about this species. Specimens from the same site received on 20 August 2012, yielded hatched larvae within the mother's case. Larvae overwinter in the case and emerge the following spring. This may be a new Maryland state record. Gaye is sending out this info for your/her edification and possible "additional counties" detection pleasure. If you have found or find Snailcase Bagworms anywhere in Maryland, please contact Gaye at: gaye.williams@maryland.gov.

MARYLAND BIODIVERSITY PROJECT

The Maryland Biodiversity Project continues to rapidly expand. This web-based project intends to catalog the living things of Maryland in one centralized location, providing full checklists, photos, range details, and identification information. In less than three months, the site has cataloged over 6,300 species,

including over 2,100 arthropods. There are now photos of over 1,600 species from more than 50 photographers, and a thumbnail image viewer has been added to make it very useful as an identification resource. Base checklists have been added for some of the better-studied groups such as butterflies and odonates, but the project would greatly appreciate your assistance in acquiring any additional Maryland checklists. (Photos or sets of records are also welcome.) All contributions to the site will be full credited. Conservation and education are primary goals of the project, and we are optimistic that this centralized repository will generate interest in many areas of Maryland nature study. Please contact MES member **Bill Hubick** (bill_hubick@yahoo.com) and Jim Brighton (jimbrighton3@gmail.com) if interested in contributing any content to the site. Maryland natural history posts are also shared every day on the "Maryland Biodiversity Project" Facebook page. For further information go to: <http://www.marylandbiodiversity.com/index.php>.

**DAINTY SULPHUR, *Nathalis iole* Boisduval
NEW IN MARYLAND**



Dainty Sulphur. (Photographed by David S. Czaplak. Near Bealsville, Montgomery County, Maryland, 3 August 2012.)

So far in Maryland, MES member **Dick Smith** has received reports of one or more Dainty Sulphurs, *Nathalis iole* Boisduval (Lepidoptera: Pieridae), in Anne Arundel, Calvert, Charles, Harford, Montgomery, and Prince George's Counties. The earliest reported sighting date was 19 June 2012 from near Waldorf in Charles County. The Montgomery County sightings consisted of over a dozen individuals on one of the days, but they have only been reported so far from a single location in that county. Four of the above counties are in Southern Maryland (west of the Chesapeake Bay). Thus, there appears to be an influx coming from the mainland south. Remarkably, before this year, Dainty Sulphurs had never been reported in Maryland. Please report any Maryland sightings to Dick at:

Richard.Smith@jhuapl.edu.

**BUTTERFLIES AND MOTHS
AT THE MARYLAND NATURALIST CENTER**

Saturday, 15 September 2012, 1:00 p.m. to 4:00 p.m., Maryland Naturalist Center, 6908 Belair Road, Baltimore, Maryland

Come visit the Maryland Naturalist Center for a special day. They will be displaying collections of butterflies and moths from various sources, featuring collections of the Natural History Society of Maryland, private collections of some members of the Maryland Entomological Society (MES), and a portion of the recently acquired, spectacular moth collection of MES member **Bob Bryant**.

Concurrently at 2:00 p.m., they will be celebrating, with their surrounding community, the dedication of the beautiful community Butterfly Wall Mural facilitated by the Overlea Community Association and designed and implemented by the Baltimore muralist, Whitney Frazier (<http://www.whitneyfrazier.org/biography.html>). The displays will be available for viewing both before and after the dedication.

*****AVAILABLE IN OCTOBER*****

A FIELD GUIDE TO THE ANTS OF NEW ENGLAND

A Field Guide to the Ants of New England by Aaron M. Ellison, Nicholas J. Gotelli, Elizabeth J. Farnsworth, and Gary D. Alpert is expected to be available from Yale University Press on 15 October 2012. The field guide contains more than 500 line drawings, 310 photographs, and regional distribution maps for more than 140 ant species found in the northeastern United States and eastern Canada. The flexibound paperback book retails for \$29.95. For further information go to: <http://yalepress.yale.edu/yupbooks/book.asp?isbn=9780300169300>.

**UNIVERSITY OF FLORIDA "NATIVE BUZZ"
STUDIES NATIVE BEES AND WASPS**

Native Buzz is a citizen science project created by the University of Florida (UF). Their goal is to learn more about the nesting preferences, diversity and distribution of native solitary bees and wasps, share the information gained, and provide a forum for those interested in participating in the science and art of native beekeeping (and wasp-keeping!). For further information, go to: <http://www.ufnativebuzz.com/about-us.html>.

**"RELAXING BEE SPECIMENS:
A QUICK AND EASY METHOD"**

The "beemonitoring" listserv posted an interesting and useful journal note. In the note, John Plant and Andreas Dubitzky describe a quick and easy method for relaxing dried bee specimens that involves using steam and pressure for approximately 10-20 minutes. The note was published in *Entomologica Austriaca* 15:41-44 in 2008. A PDF of the note can be accessed at:

http://www.landesmuseum.at/pdf_frei_remote/ENTAU_0015_0041-0044.pdf.

“ARTHROPODS IN AMBER FROM THE TRIASSIC PERIOD”

Alexander R. Schmidt, Saskia Jancke, Evert E. Lindquist, Eugenio Ragazzi, Guido Roghi, Paul C. Nascimbene, Kerstin Schmidt, Torsten Wappler, and David A. Grimaldi have published an online article in the *Proceedings of the National Academy of Sciences of the United States of America* (27 August 2012) that describes three arthropods preserved in amber 230 million years ago, that’s 100 million years older than any previously known specimens in amber! The three specimens are a nematoceran fly (Diptera: indeterminate family) and two new species of mites, *Triasacarus fedelei* Lindquist and Grimaldi and *Ampezzoia triassica* Lindquist and Grimaldi (Arachnida: Acari: Acariformes: Trombidiformes: Tetrápodili: Eriophyoidea). An abstract of the article can be accessed at: <http://www.pnas.org/content/early/2012/08/21/1208464109> and supporting information can be accessed at: http://www.pnas.org/content/suppl/2012/08/27/1208464109.DC/Supplemental/pnas.1208464109_SI.pdf.

“THE GREAT INSECT FAIR” – PENN STATE 29 SEPTEMBER 2012

The Great Insect Fair is Penn State’s annual extravaganza celebrating insects with lots of activities, games, crafts, tasty treats and fun for everyone!

When: 29 September 2012 from 10:00 a.m. to 4:00 p.m.

Where: Bryce Jordan Center, Penn State ([Campus Maps](#))

Admission to the fair is FREE, but donations are accepted and greatly appreciated!

Activities include:

- *Build-A-Bug Contest: Bring your homemade insect for judging and prizes
- *Moth & Butterfly Tent
- *IPM/Pesticide Safety Putt Putt
- *Cockroach Races!
- *Honey Tasting
- *Bee Observation Hives
- *What Is in a Beehive?
- *The Insect Deli
- *Insect Zoo: Live exhibits of many insects!
- *Bug Collectors and Collections
- *The BugMobile Talking Car
- *The Bug Doctor Is In! Ask your pest questions
- *The Insect Construction Co.: Arts and crafts
- *Face Painting and Games
- *Vendors selling a variety of insect arts/crafts, books, & T-shirts

Do they have food, you may wonder? You bet! Hungry folks at the previous Insect Fairs had the option of stopping by the Insect Deli to sample wax moth larvae on baba ganoush

(eggplant/tahini dip), garlicky red bell pepper dip with pita bread, potato/rosemary frittata enhanced with mealworms, or the ever popular “Chocolate Chirpies” (chocolate-covered crickets). Previous years have offered such tasty treats as fresh Vietnamese eggrolls with mealworms, barbecued vegetables and wax moth larvae, mealworm roll-ups (smoky black bean/cream cheese and Asian pear), or mealworm bruschetta.

For the less adventurous, a food stand will be available with hamburgers, hotdogs, drinks, and ice cream!

For more information, contact the Department of Entomology, entomology@psu.edu.

The [Department of Entomology](#)
The Pennsylvania State University
501 ASI Building
University Park, PA 16802
Phone: (814) 865-1895
Fax: (814) 865-3048

2012/2013 PROPOSED EVENT SCHEDULE

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

Date	Speaker	Topic/Location
Jul 7	Survey/Field Trip	Rock Lodge Trust (Garrett Co.)
Aug 11	Survey/Field Trip	New Bridge & east/cent. Dorchester Co.
Sep 15	Crab Feast/Meet&Greet	J. KING’S Restaurant (Anne Arundel Co.)
Oct 19	Leo Kenefic	Malaria Genomic Research
Nov 16	Stephen Allgeier	Status of Brown Marmorated Stink Bug
Feb 15	Lecture	TBA
Mar 15	Lecture	TBA
Apr 19	Lecture	TBA
May 17	“Members’ Potpourri”	Presentations & Elections

2013 SOCIETY YEAR MES OFFICERS

President	Frederick Paras
Vice-President	Philip J. Kean
Secretary	Richard H. Smith
Treasurer	Edgar A. Cohen, Jr.
Historian	Robert S. Bryant
Faculty Sponsors	Frank E. Hanson & Austin P. Platt
Publications Editor	Eugene J. Scarpulla

SUBMITTAL DEADLINES

OCT 2012 issue of the *Phaëton*:

Please send member news items by 5 October 2012.

SEP 2013 issue of *The Maryland Entomologist*:

Please send first drafts of articles and notes by 1 April 2013.

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

Maryland Entomological Society Survey/Field Trip**New Bridge & East-Central Dorchester County, Maryland**

Coordinator: Dick Smith.

11 August 2012; 0900-1500 hours; mix of sun and clouds, 80° F.

Participants: Tim Foard, Bob Ringler, Gene Scarpulla, Dick Smith, Debbie Terry, Marcia Watson

INSECTS**ORDER ODONATA: Dragonflies, Damselflies****Family Aeshnidae: Darners***Anax junius* – Common Green Darner**Family Libellulidae: Pennants***Erythemis simplicicollis* – Eastern Pondhawk*Erythrodiplax berenice* – Seaside Dragonlet*Libellula needhami* – Needham's Skimmer*Libellula semifasciata* – Painted Skimmer*Libellula vibrans* – Great Blue Skimmer*Pachydiplax longipennis* – Blue Dasher*Perithemis tenera* – Eastern Amberwing**ORDER HEMIPTERA****Family Cicadidae: Cicadas***Tibicen tibicen* – Swamp Cicada**ORDER COLEOPTERA: Beetles****Family Scarabaeidae – Scarab Beetles***Popillia japonica* – Japanese Beetle**ORDER LEPIDOPTERA: True Butterflies, Skippers, Moths****Family Papilionidae: Swallowtails***Papilio polyxenes* – Black Swallowtail*Papilio glaucus* – Eastern Tiger Swallowtail*Papilio troilus* – Spicebush Swallowtail**Family Pieridae: Whites and Yellows***Colias eurytheme* – Orange Sulphur*Phoebis senna* – Cloudless Sulphur*Pyrisitia lisa* – Little Yellow*Abaeis nicippe* – Sleepy Orange**Family Lycaenidae: Gossamer Wings***Strymon melinus* – Gray Hairstreak*Cupido comyntas* – Eastern Tailed-Blue**Family Nymphalidae: Brush-footed Butterflies***Euptoieta claudia* – Variegated Fritillary*Phyciodes tharos* – Pearl Crescent*Polygonia interrogationis* – Question Mark*Vanessa cardui* – Painted Lady*Vanessa atalanta* – Red Admiral*Junonia coenia* – Common Buckeye*Limenitis arthemis astyanax* – Red-spotted Purple*Limenitis archippus* – Viceroy*Danaus plexippus* – Monarch**Family Hesperidae: Skippers***Epargyreus clarus* – Silver-spotted Skipper*Ancyloxypha numitor* – Least Skipper*Atalopedes campestris* – Sachem*Euphyes vestris* – Dun Skipper**ORDER HYMENOPTERA: Velvet Ants, Ants, Wasps, Bees****Family Formicidae: Ants***Aphaenogaster carolinensis**Aphaenogaster rudis**Camponotus chromaiodes* – Red Carpenter Ant*Camponotus impressus**Camponotus pennsylvanicus* – Black Carpenter Ant*Camponotus snellingi**Crematogaster ashmeadi**Crematogaster lineolata**Crematogaster pilosa**Dolichoderus pustulatus**Formica biophilica**Formica integra**Formica subsericea**Lasius alienus* – Cornfield Ant*Monomorium minimum* – Little Black Ant*Myrmica spatulata**Nylanderia faisonensis**Pheidole dentata**Tapinoma sessile* – Odorous House Ant*Temnothorax curvispinosus***Family Crabronidae: Cicada Killers, Sand Wasps, Mud Daubers***Sphecius speciosus* – Cicada Killer**Family Vespidae: Hornets, Paper Wasps, Potter Wasps, Yellowjackets***Vespa crabro* – European Hornet**SPIDERS (1)****Family Araneidae: Orb Weavers***Argiope aurantia* – Yellow Garden Spider**CRAYFISH (1)****Family Cambaridae***Procambarus clarkii* – Red Swamp Crayfish**AMPHIBIANS (1)***Lithobates clamitans melanota* – Northern Green Frog**BIRDS (41)***Aix sponsa* – Wood Duck*Anas platyrhynchos* – Mallard*Ardea herodias* – Great Blue Heron*Ardea alba* – Great Egret*Coragyps atratus* – Black Vulture*Cathartes aura* – Turkey Vulture*Pandion haliaetus* – Osprey*Haliaeetus leucocephalus* – Bald Eagle*Falco sparverius* – American Kestrel*Leucophaeus atricilla* – Laughing Gull*Larus delawarensis* – Ring-billed Gull*Sterna forsteri* – Forster's Tern*Zenaidura macroura* – Mourning Dove*Coccyzus americanus* – Yellow-billed Cuckoo*Melanerpes carolinus* – Red-bellied Woodpecker*Picoides pubescens* – Downy Woodpecker*Picoides villosus* – Hairy Woodpecker*Dryocopus pileatus* – Pileated Woodpecker*Myiarchus crinitus* – Great Crested Flycatcher*Vireo griseus* – White-eyed Vireo*Cyanocitta cristata* – Blue Jay*Corvus brachyrhynchos* – American Crow*Progne subis* – Purple Martin*Hirundo rustica* – Barn Swallow*Poecile carolinensis* – Carolina Chickadee*Baeolophus bicolor* – Tufted Titmouse*Thryothorus ludovicianus* – Carolina Wren

Polioptila caerulea – Blue-gray Gnatcatcher
Dumetella carolinensis – Gray Catbird
Sturnus vulgaris – European Starling
Parkesia noveboracensis – Northern Waterthrush
Protonotaria citrea – Prothonotary Warbler
Geothlypis trichas – Common Yellowthroat
Setophaga coronata – Yellow-rumped Warbler
Cardinalis cardinalis – Northern Cardinal
Passerina caerulea – Blue Grosbeak
Passerina cyanea – Indigo Bunting
Dolichonyx oryzivorus – Bobolink
Agelaius phoeniceus – Red-winged Blackbird
Quiscalus quiscula – Common Grackle
Spinus tristis – American Goldfinch
