



Phaëton

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Maryland Entomological Society

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Meeting Announcement

The Maryland Entomological Society's 324th regular meeting will be held **Friday, 19 Oct. 2018**, 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: Dr. Michael Turell; principal investigator at United States Army Medical Research Institute for Infectious Diseases (Retired)

Title: "Global Climate Change and what History tells us about the Risk of New Vector-Borne Pathogens being introduced into the United States"

Abstract: The introduction and spread of West Nile virus and the recent introduction of Chikungunya and Zika viruses into the Americas have raised concern about the potential for various "tropical" pathogens to become established in North America. A historical analysis of yellow fever and malaria incidences in the United States suggests that it is not merely a temperate climate that keeps these pathogens from becoming established. Instead, socioeconomic changes are the most likely explanation for why these pathogens essentially disappeared from the United States, but yet remain a problem in tropical areas. In contrast to these anthroponotic pathogens that require humans in their transmission cycle, zoonotic pathogens are only slightly affected by socioeconomics (standard of living). This is why West Nile virus became established, but that neither Zika nor Chikungunya viruses became established, despite nearly 10,000 reported introduced cases. With the increasing globalization, we need to be concerned about the introduction of pathogens such as Rift Valley fever, Japanese encephalitis, and Venezuelan equine encephalitis viruses.

Speaker Bio: Dr. Michael Turell recently retired as a principal investigator at USAMRIID (United States Army Medical Research Institute for Infectious Diseases) where he had served for more than 30 years. He received his B.S. and M.S. in Entomology from Cornell University; his MPH from Tulane University; and his Ph.D. in Epidemiology from the University of California at Berkeley. His principal interest has been the study of factors affecting the ability of mosquitoes to transmit various arboviruses. He has evaluated the potential of selected arthropods to transmit pathogens such as Rift Valley fever, Eastern Equine encephalitis, Venezuelan Equine encephalitis, Japanese encephalitis, and West Nile viruses. These involved both field studies in numerous countries in Africa, Asia, Central and South America and laboratory studies. In addition, he has conducted research on the development of vaccines for several mosquito-borne viruses and the development and evaluation of antigen and RNA detection assays.

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 the Chef Paolino Café located at **726 Frederick Rd, Catonsville, MD 21228**. If you plan to go to dinner, please email Fred Paras at bugandrockman@msn.com by noon on the day of the lecture. Fred will make a reservation for the group. Please meet at the restaurant promptly at **6:00 p.m.**

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*.

Linda M. & Charles A Davis
Mark C. & Emily Etheridge
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Joanne K. & Robert P. Solem
Brent W. Steury
Theodore W. Suman
David W. Webb
Elissa M. Weidaw

DON'T FORGET TO RENEW

IT'S MEMBERSHIP RENEWAL TIME

OCT 2018 – SEP 2019 MEMBERSHIP YEAR

Membership renewal forms were inserted in the front of the September 2018 issue of *The Maryland Entomologist*. If the date on your address label reads 2018, it is time for you to renew for the “October 2018 – September 2019” 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.

USDA LOOKING FOR VOLUNTEER TO DIGITIZE HISTORICAL CARD CATALOG

The Systematic Entomology Laboratory (USDA ARS) is seeking volunteers to digitize a historical card catalog of scale insect (Hemiptera: Coccothraupidae) host association and geographic records for the Smithsonian National Entomological Collections. Records will be snap-scanned into pdf documents and converted to readable text, so they can be deposited online in a searchable format. The project will be completed at the Beltsville Agricultural Research Center in Beltsville, Maryland.

Interested volunteers can contact Dr. Scott Schneider at scott.schneider@ars.usda.gov for more information.

BOOK ANNOUNCEMENT: GUIDE TO VENOMOUS AND MEDICALLY IMPORTANT INVERTEBRATES

Guide to Venomous and Medically Important Invertebrates.

By: Bowles, Davie E., James A. Swaby, and Harold J. Harlan
Publication date (proposed): Nov. 30, 2018; ISBN: 978-1-4863-0884-2, xi + 228 p. [pb]
Published by: CSIRO Publishing, Locked Bag 10, Clayton South, VIC 3169, AUSTRALIA
e-mail: www.publish.csiro.au

Brief description.

Though many are harmless, and most are even beneficial, invertebrates include some of the world's most feared and dangerous creatures.

This book describes the health threats posed by invertebrate groups worldwide, from physical pain and annoyance to disease transmission risk. Featuring clear photographs, general distribution maps and descriptions of biological, physical and behavioral characteristics of key groups, this book should aid in identification of many potentially harmful invertebrates. It also summarizes personal protection measures to help reduce the risk of attack and disease, and provides limited guidance on treatment (*i.e.*, some suggested first aid actions). It also includes an Appendix that offers a simplified summary of many aspects of most major vector-borne diseases affecting humans.

This book will hopefully help to protect the health of travelers and serve as a scientifically sound quick reference for medical personnel working in high-risk areas, persons who must frequently provide outreach information about such health threats, as well as those in the general public who are interested in Medical or Public Health Entomology.

This book is written with a focus on a general public audience, but with a considerable amount of content that is scientifically sound and as accurate as we could make it. It includes >250 colored images, >50 general distribution maps of many groups (higher level taxa) of critters and of several major human diseases, good information about Personal Protection (from such critters/diseases), and one appendix (# 7) gives a good thumbnail sketch “overview” of most of the currently known vector-borne diseases that infect humans.

Of course, there are several things we could still improve a bit (or for which we might have found very slightly better images), and as is typical, at least one very good reference was published AFTER this was already in the “layout” phase. Overall, this should be a very handy reference for general public outreach efforts by nearly anyone in a Public Health position. Further, although some critter images could be slightly better, the bulk of them are excellent. One interesting small aside is that CSIRO edits all English text to conform to “Australia's standard spelling(s),” that is evident in certain minor spelling “variations” (*e.g.*, recognise, harbour,

localised, *etc.*) to be occasionally found throughout the book.

Authors. Doctors David E. Bowles, James A. Swaby and Harold J. Harlan are all retired United States military Medical Entomologists. They have more than 90 years' collective experience working with, advising about, and publishing on, venomous and medically important invertebrates from around the world.

Note: This book has been available for pre-publication purchase through Amazon™ since July 2018. As Follows:

Guide to Venomous and Medically Important Invertebrates Publication date (proposed): Nov. 30, 2018
by David E. Bowles (Author), James A. Swaby (Author), Harold J. Harlan (Author) Pre-publication price: \$ **47.95 ea.** [Paperback] New, Available for pre-publication order from Amazon™ at:
<https://www.amazon.com/Guide-Venomous-Medically-Important-Invertebrates/dp/1486308848>

Also: This book will probably be featured by BioQuip™ (see www.bioquip.com) as their “monthly Book Special” (@ **10% off list price**) in the first full month following its official publication (release). So if the official published month is **November 2018**, they will likely offer it as their special in **December 2018** (or **NLT Dec., 2018**), depending on the needed lead time for their processing and posting.

2018 MARYLAND STEM FESTIVAL

26 October – 11 November 2018

The mission of the Festival is to encourage all students regardless of background and experience to take a greater interest in STEM with the hope they will pursue a STEM related/focused career.

The MSF works for an entire year recruiting as many organizations as it can to participate in the Festival, such as libraries, museums, public and private schools, colleges, universities, government agencies and private companies.

The festival will consist of dozens of events held throughout the state. Find a complete list of events at <http://marylandstemfestival.org/events/>.

ENTOMOLOGICAL SOCIETY OF WASHINGTON PUBLIC MEETING

Thu, 1 November 2018; 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, 6 November, 2018; 7:00 p.m.

Speaker: TBD

Tue, 8 December, 2018; 7:00 p.m.

Holiday Potluck Dinner

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/>.

2018 ALL BUGS GOOD AND BAD WEBINAR SERIES

This webinar series discusses troublesome insects such as invasive ants, landscape, vegetable and household pests, as well as beneficial insects such as native pollinators. Webinars are held on the first Friday of every month at 2PM EST.

Fri, 2 November 2018; 2:00 p.m.

Topic: Lice, Scabies and Mites

Speaker: Nancy Hinkle, University of Georgia

Fri, 1 December 2018; 2:00 p.m.

Topic: Pantry Pests

Speaker: Dan Suiter, UGA Extension

Information about upcoming webinars and archives of previous recordings can be found at <http://articles.extension.org/pages/74590/2018-all-bugs-good-and-bad-webinar-series>.

THE COLEOPTERISTS SOCIETY'S YOUTH INCENTIVE AWARD

This program by the Coleopterists Society encourages middle and high school aged children to pursue a research project involving Coleoptera and pair with a professional scientist mentor. Those selected get a small budget and money for equipment from Bioquip. This program is currently soliciting mentors to identify and nurture larval coleopterists in their local communities. This year, applications are due by **November 1st**. More information about the program and the application form can be found [here](#).

30TH USDA INTERAGENCY RESEARCH FORUM ON INVASIVE SPECIES

Tue-Fri, 8-11 February 2018

The Hotel Annapolis 126 West Street, Annapolis, MD.

Keynote Speakers -- Wednesday Morning

Alain Roques, INRA, Orleans, France, Emerging species and new tools to forecast future insect invasions

Jeanne Romero-Severson, Notre Dame University, Ready fire aim: millions for technology, no impact on forest health

General Session Topics -- Wednesday-Friday

- How Urban Forest Conditions Predict and Promote Invasive Species?
- Spotted Lanternfly update
- Gypsy moth: recent findings in gypsy moth population ecology

• The socio-economic component of invasion biology

In addition to the General Sessions, this year's program will include several invited and offered presentations on topics that are relevant to the issue of non-native invasive species:

- Non-native forest pest invasion hotspots
- The emergence of beech leaf disease in Ohio: Probing the plant microbiome in search of the cause
- International Symbiosis: How YOU can benefit from collaborative research on emerging forest pests
- EPPO activities on sentinel trees
- Balsam woolly adelgid in relic Canaan fir stands
- Successful Biological Control of Winter Moth
- Using the biology and behavior of the Asian longhorned beetle to help eradicate populations in the U.S
- Efforts to obtain parasitoids for the biological control of the species in the *Euwallacea fornicatus* species complex

Additional information can be found at:

https://www.nrs.fs.fed.us/disturbance/invasive_species/interagency_forum/

**UNIVERSITY OF MARYLAND
DEPARTMENT OF ENTOMOLOGY COLLOQUIA**

Fri, 19 October 2018, 12:00 p.m.

“Evolution of Hawaiian Insects: Insights from Phylogeny, Ecology and Genomics”

Patrick O’Grady, Ph.D. (Professor, Department of Entomology, Cornell University)

Fri, 26 October 2018, 12:00 p.m.

“Manipulation, Deceit, and Symbiosis by a Terrifying Carnivorous Plant”

Bryan Carstens, Ph.D. (Associate Professor, Vice Chair, Department of Evolution, Ecology and Organismal Biology, the Ohio State University)

Fri, 2 November 2018, 12:00 p.m.

“Vector Physiology: From Hormones to Symbionts”

Kevin Vogel, Ph.D. (Assistant Professor, University of Georgia, Athens)

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

2018/2019 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:

Sep 30: Potluck Picnic

Oct 19: Dr. Mike Turrell

Nov 16: TBD Lecture

Feb 15: TBD Lecture

Mar 15: TBD Lecture

Apr 19: TBD Lecture

May 17: Members’ & Students’ Presentations & Elections
TBD Survey/Field Trip

**OCT 2018-SEP 2019 MES MEMBERSHIP YEAR
OFFICERS**

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Journal Editor	Eugene J. Scarpulla
E-newsletter Editors	Aditi Dubey

SUBMITTAL DEADLINES

October 2018 issue of the *Phaëton*:

Please send member news items by 9th November 2018.

Send e-newsletter drafts to Addie at aditid26@gmail.com.

LAY OF THE TRILOBITE

by *May Kendall*

A mountain's giddy height I sought,
Because I could not find
Sufficient vague and mighty thought
To fill my mighty mind;
And as I wandered ill at case,
There chanced upon my sight
A native of Silurian seas,
An ancient Trilobite.

So calm, so peacefully he lay,
I watched him even with tears:
I thought of Monads far away
In the forgotten years.
How wonderful it seemed and right,
The providential plan,
That he should be a Trilobite,
And I should be a Man!

And then, quite natural and free
Out of his rocky bed,
That Trilobite he spoke to me,
And this is what he said:
" I don't know how the thing was done,
Although I cannot doubt it;

But Huxley — he if anyone
Can tell you all about it;

" How all your faiths are ghosts and dreams,
How in the silent sea
Your ancestors were Monotremes —
Whatever these may be;
How you evolved your shining lights
Of wisdom and perfection
From Jelly-fish and Trilobites
By Natural Selection.

" You've Kant to make your brains go round,
Hegel you have to clear them,
You've Mr. Browning to confound,
And Mr. Punch to cheer them!
The native of an alien land
You call a man and brother,
And greet with hymn-book in one hand
And pistol in the other!

" You've Politics to make you fight
As if you were possessed:
You've cannon and you've dynamite
To give the nations rest:
The side that makes the loudest din
Is surest to be right,
And oh, a pretty fix you're in!"
Remarked the Trilobite.

" But gentle, stupid, free from woe
I lived among my nation,
I didn't care — I didn't know
That I was a Crustacean.
I didn't grumble, didn't steal,
I never rhyme:
Salt water was my frugal meal,
And carbonate of lime."

Reluctantly I turned away,
No other word he said;
An ancient Trilobite, he lay
Within his rocky bed.
I did not answer him, for that
Would have annoyed my pride:
I merely bowed, and raised my hat,
But in my heart I cried: —

" I wish our brains were not so good,
I wish our skulls were thicker,
I wish that Evolution could
Have stopped a little quicker;
For oh, it was a happy plight,
Of liberty and ease,
To be a simple Trilobite
In the Silurian seas!