



Phaëton

The Official Newsletter of the
Maryland Entomological Society

Volume 39, Number 3

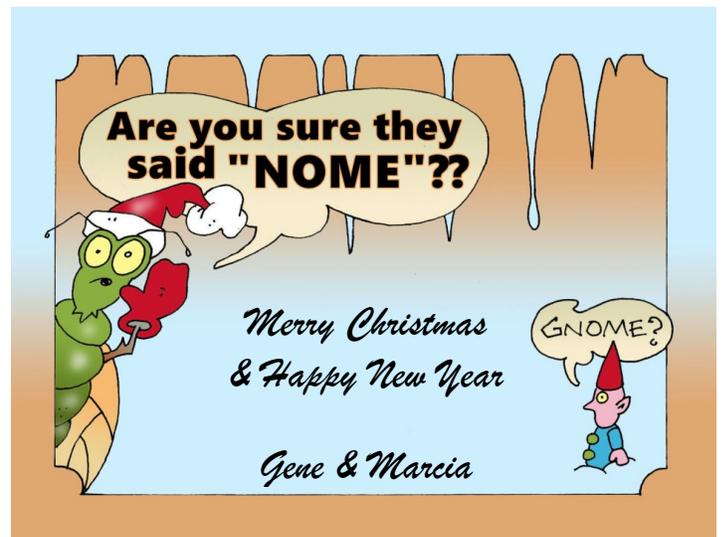
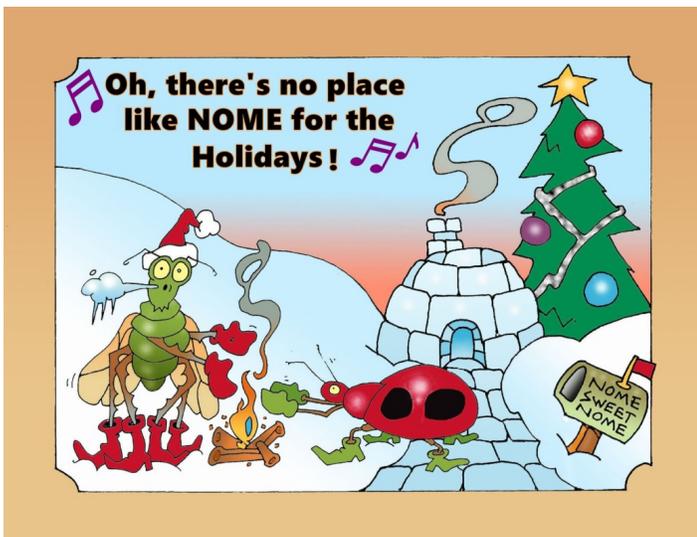
December 2018

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FACULTY SPONSORS: **Frank E. Hanson** and **Austin P. (Bob) Platt**
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WEBSITE: <http://www.mdentsoc.org/>

As in past years, Gene Scarpulla and Marcia Watson asked their artist/cartoonist friend Ross Holtz to create an entomological holiday card that they could send to friends and family. They are sharing their 2017 holiday card with you for the 2018 holiday season. "Merry Christmas and Happy New Year" from Gene and Marcia.



Original Artwork by Ross Holtz ©2017



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*.

Robert W. Dixon
Robert B. Trumbule

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

**ENTOMOLOGICAL SOCIETY OF WASHINGTON
PUBLIC MEETING**

Thu, 3 January 2019; 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, 8 January 2019; 7:00 p.m.

Dr. Deborah Delaney, Entomology Prof. at U Delaware, talks to us about honeybee reproduction.

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/>.

NEW PUBLICATION ON MARYLAND FAUNA

The Maryland Amphibian and Reptile Atlas

Hardcover

312 pages

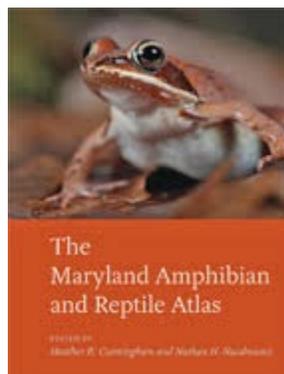
106 color photos, 6 b&w illus., 255 maps, 5 graphs

ISBN: 9781421425955

November 2018

Johns Hopkins University Press

\$74.95



Naturalists, herpetologists, and ecologists alike agree that tracking herpetofauna is a challenging undertaking. Scientists are concerned about the decline of once-familiar species, but evidence has often been too anecdotal to support firm conclusions. To better understand the distribution of amphibians and reptiles in Maryland and forecast species' futures in a time of accelerated environmental threats, conducting a comprehensive statewide survey updating 1970s-era distribution maps seemed ideal. However, this endeavor was of an impossibly ambitious scope for scientists alone to tackle. Enter the Maryland Amphibian and Reptile Atlas project, comprising nearly a thousand dedicated citizen scientists who discovered and recorded the locations of herpetofauna throughout every corner of Maryland.

In *The Maryland Amphibian and Reptile Atlas*, Heather R. Cunningham and Nathan H. present the findings of this massive undertaking. This definitive guide combines nearly 160 comprehensive new herpetological maps with historical distribution maps and in-depth species accounts. Color photos illustrate the natural history of the 89 species of frogs, salamanders, turtles, snakes, and lizards that call the state home. Essays discuss historical studies, the effects of Maryland's current climate, geology, and habitat diversity—and the myriad conservation issues these animals face.

This richly detailed book represents a triumph of citizen science and the culmination of an intensive research partnership. It will appeal to both amateurs and professionals interested in herpetology, natural history, or ecology, as well as those with a special interest in Maryland's biodiversity.

Heather R. Cunningham is an associate professor of biology at Chesapeake College. Nathan H. Nazdrowicz is an adjunct instructor of herpetology at the University of Delaware.

**MARYLAND & D.C. DRAGONFLY & DAMSELFLY
REPORT 2018**

Dear Maryland and Washington D.C. dragonfly enthusiasts:

The 2018 dragonfly season is essentially over. A few Autumn Meadowhawks and Familiar Bluets may still around in protected micro-habitats. Also, the last individuals of the Common Green Darners and other dragonfly migrants might still be found especially along the coast. But a couple days of sub-freezing temperatures will remove any remaining adult dragonflies and damselflies from Washington D. C. and Maryland skies.

I would like to thank each of you who contributed in some way to the data used in putting this information together. If you see where this information would be of value to someone not on the email list, please feel free to forward the information to them.

Attached should be the update of the 2018 *Odonata of Maryland & Washington D.C. Annual Report*. This report summary covers the status of the distribution of the known Maryland and D.C. odonates at the close of the 2018 field season. All new additions or changes added in 2018 are **bolded and underlined** in the attachment.

The distribution of odonates within Maryland and the District are still imperfectly known; in addition, dragonfly populations are dynamic. I will continue, hopefully with your input, to keep the odonate records for Maryland and the Washington D.C. areas. Eventually, this information will be formalized and published, so I would ask that you obtain permission if you wish to use this information for your own publications or reports.

Membership to this mailing list is easy. Anyone who continues to provide information will stay on the list as well as those that I feel benefit from this information. This information will be updated on the web whenever a new record is added. Updates of these records can be found at <http://www.marylandinsects.com/MDDCOdonateRecords.html> and all future "new" 2019 records will be bolded and underlined on the website page.

I also want to apologize (explain) to those who submitted records that were not incorporated into this year's data. Most of these were sight records of unexpected or difficult to identify species. Although, I will continue to ensure the integrity of the Maryland and Washington D.C. list, please continue to send in unusual sightings even though no photograph or specimen was collected. If it is truly of interest the exact location can be revisited and hopefully the sighting can be confirmed by a specimen or reveling photograph during the following year. Also, please keep in mind that even with an excellent photograph some individuals can not be identified with 100% certainty. I want to encourage photographs but

please understand that they do not equal the collection of the insect in question.

Twelve (12) new Maryland county records were added during the 2018 field season (again all new 2018 changes are bolded and underlined in the attached report). In addition, a new dragonfly was added to the Washington D.C. list. Thanks goes to Sharon Forsyth for photographing a Blue-faced Meadowhawk (*Sympetrum ambiguum*), the first ever record for Washington D.C.

Unfortunately, after a couple of good years (2011-2013) for the Potomac's population of the rare St. Croix Snaketail (*Ophiogomphus susbehcha*) it has become difficult to find. No cast skins or adults have been found for the past two years despite much effort. To see additional information on this interesting dragonfly visit: <http://www.marylandinsects.com/PotomacSnaketail.html>

There is no doubt that Maryland and the District have plenty of odonate surprises left, so please keep up the good work. Thanks for your data in 2018 and best of luck in your field work during the 2019 season.

Best of the Holidays.

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www.marylandinsects.com
<http://www.flickr.com/photos/dragonflyhunter/>

**2018 ADVANCED LANDSCAPE IPM PHC SHORT
COURSE**

Mon-Thurs, 7-10, January 2019
Entomology Department, Plant Sciences Building,
University of Maryland, College Park, MD

The annual Advanced Landscape IPM PHC Short Course is a recertification short course for arborists, landscape supervisors, IPM monitors, advanced gardeners, and others responsible for urban plant management.

Each day, the course will include a lecture from 8:00 am to 3:00 pm and an optional lab from 3.30 pm to 5.30 pm.

To find additional information and register, visit
<http://landscapeipmphc.weebly.com/>

**30TH USDA INTERAGENCY RESEARCH FORUM ON
INVASIVE SPECIES****Tue-Fri, 8-11 January 2019****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/**SUMMER 2019 CHESAPEAKE BAY REU**

Summer 2019 Undergrad Research on Chesapeake Bay (REU), Deadline: Feb. 15

Are you looking for a summer research internship studying ocean, coastal or environmental science? I invite you to check out the Maryland Sea Grant Summer REU program. We bring upper-level undergraduate students to the Chesapeake Bay to conduct individual research projects with a scientist-mentor at the University of Maryland Center for Environmental Science. We select undergrads in many disciplines, including engineering, biology, chemistry, physics, mathematics, ecology and marine and environmental science.

Each REU fellow will receive:

\$6,000 stipend**Free housing at your research lab
Round-trip travel expenses**

In particular, we encourage students from colleges and universities where access to marine science and to research opportunities is limited and who are from groups traditionally underrepresented in science, technology, engineering and math. We believe bringing together students from many disciplines, backgrounds and parts of the country makes for a more interesting and educational summer experience.

Join us for our **12-week program from May 19 to August 11, 2019**. We are accepting applications through February 15. Please visit our website to find out more (www.mdsg.umd.edu/reu) or drop me a note at reu@mdsg.umd.edu.

Yours,

Mike Allen
Maryland Sea Grant**KEY INFORMATION:**- Program Flyer download <http://bit.ly/MDSGREU19>

- 12-week program: May 19 to August 11, 2019

- \$6,000 stipend plus housing and travel support to and from host institution

- Funded by the National Science Foundation and thus limited to US citizens or permanent residents

- Applications due: February 15, 2019

- Application and guidance <http://ww2.mdsg.umd.edu/reu/apply/index.php>**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: Frederick Paras

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**

President	Frederick Paras
Vice President	Philip J. Kean
Secretary	Janet A. Lydon
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

SUBMITTAL DEADLINES

January 2019 issue of the *Phaëton*:

Please send member news items by 6th December 2018.
Send e-newsletter drafts to Addie at aditid26@gmail.com.

SEP 2019 issue of *The Maryland Entomologist*:

Please send first drafts of articles and notes by 1 April 2019.
Send drafts to Gene Scarpulla at ejscarp@comcast.net.

UPON A WASP CHILLED WITH COLD

by *Edward Taylor*

The bear that breathes the northern blast
Did numb, torpedo-like, a wasp
Whose stiffened limbs encramped, lay bathing
In Sol's warm breath and shine as saving,
Which with her hands she chafes and stands
Rubbing her legs, shanks, thighs, and hands.
Her pretty toes, and fingers' ends
Nipped with this breath, she out extends
Unto the sun, in great desire
To warm her digits at that fire.
Doth hold her temples in this state
Where pulse doth beat, and head doth ache.
Doth turn, and stretch her body small,
Doth comb her velvet capital.
As if her little brain pan were
A volume of choice precepts clear.
As if her satin jacket hot
Contained apothecary's shop
Of nature's receipts, that prevails
To remedy all her sad ails,
As if her velvet helmet high
Did turret rationality.
She fans her wing up to the wind
As if her pettycoat were lined,
With reason's fleece, and hoists sails
And humming flies in thankful gales
Unto her dun curled palace hall
Her warm thanks offering for all.

Lord, clear my misted sight that I
May hence view Thy divinity,
Some sparks whereof thou up dost hasp
Within this little downy wasp
In whose small corporation we
A school and a schoolmaster see,
Where we may learn, and easily find
A nimble spirit bravely mind
Her work in every limb: and lace
It up neat with a vital grace,
Acting each part though ne'er so small
Here of this fustian animal.
Till I enravished climb into
The Godhead on this ladder do,
Where all my pipes inspired upraise
An heavenly music furred with praise.