



The Skeeter



Newsletter of the Virginia Mosquito Control Association

Volume 76, No. 1

Winter, 2015-16

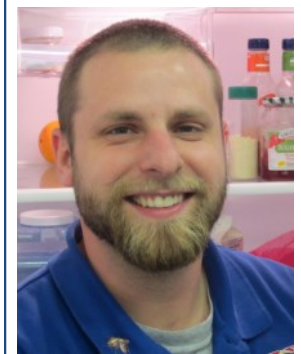
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President's Message

Hello VMCA members. I hope everyone is having a productive offseason and preparing for the new mosquito season right around the corner.

I encourage everyone to attend VMCA's 69th annual meeting this January. It will be held in downtown Portsmouth at the Renaissance Hotel January 26-28, 2016. This is a beautiful venue right on the Elizabeth River with spectacular views in every direction. As usual, the agenda will be full of engaging presentations with several evening events for those that can't get enough conversations about mosquitoes. I am particularly excited for the evening hospitality room that is located on the 17th floor with a beautiful view overlooking the river and downtown Norfolk in the distance. More information including registration forms and hotel information can be found below and on the VMCA website.



Jay Kiser
VMCA President 2015

Make sure you cast your votes for VMCA executive board members. All current VMCA members should have received an email with a link and passcode to cast your vote. Votes can be done online before or during the VMCA annual meeting. To entice you a little more, below are the photos and biographies of our two candidates for First Vice President. Both of these nominees are qualified individuals that will bring enthusiasm to our future executive board.

Thanks to our new merchandise committee, we will have an array of new VMCA items for sale during our annual meeting. Pictures and pricing can be found below. Be sure to make your purchases early at the meeting; supplies and sizes are limited.

My year as VMCA president is quickly coming to an end. I have enjoyed my time in this position and learned so much about how this organization works. I appreciate all the hard work the executive board and committee chairs/members have put into VMCA this year. You all make this look so easy.

Jay Kiser, VMCA President

Announcements

Upcoming meetings

VMCA Recertification Course

January 14, 2016
Hampton, VA

Virginia Mosquito Control Association Annual [Meeting](#)

January 26-28, 2016
Portsmouth, VA

American Mosquito Control Association Annual [Meeting](#)

February 7-11, 2016
Savannah, GA

Mid-Atlantic Mosquito Control Association Annual [Meeting](#)

March 30-April 1, 2016
Nashville, TN

**Have information on a meeting
that may be of interest to VMCA
members?**

**Attend a meeting and want to
submit a summary?
Send it to the [editor](#)!**

SAVE THE DATE

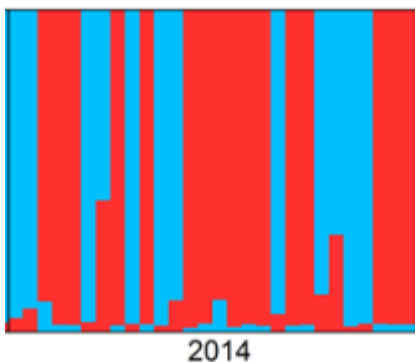




January 26-28th, 2016

Portsmouth Renaissance Hotel

What's That?



(answer on page 8)

VMCA organizational mailing address

Send all forms to this address.

Virginia Mosquito Control Association
Penelope Smelser, Secretary/Treasurer
2800 Tarrant Street
Norfolk, VA 23509
Phone (757) 683-8662
Email Penelope.smelser@norfolk.gov

Candidates for First Vice President

Ms. **LaToya N. White** started her career of being a Mosquito Control Technician, June, 2010 with the City of Suffolk. She has been a Vector Control Technician since November, 2013 for the City of Newport News. Some of LaToya's tasks are responding to complaints from the general public concerning mosquito infestations and rodents; locating mosquitoes breeding places; working with chemicals and spraying for mosquitoes; conducts site visits and storm water operations. Ms. White is also qualified in the following certifications: 5A – Aquatic Pest; 7A and 7B – General and Household Pest Control and Termite and Other Wood Destroying Insects. LaToya has spoken at several Virginia Mosquito Control meetings and regional conferences on the above subjects. Also, she has served on the board for Tidewater Mosquito and Vector Control Council.



Following graduation from Bethel High, Hampton Public Schools, LaToya completed undergraduate degree in Biology, Old Dominion University in 2007. Toya worked for Virginia Living Museum while attending college and there is where she fall in love with fish. She is the founder of Exotic Aquatics, where she enjoys creating and maintaining different aquarium themes. She feels that aquariums offer an incredible way to value the magnificent and diversity of aquatic life.

LaToya has an interest in meeting people with varied cultural perspective and learning about those cultures and the ways in which they are both similar to and different from hers. Therefore, she has traveled to Thailand in three times within the last ten years to get some experience in cultural diversity. Also, she is a beginning Gardner and would like to learn and apply a variety of gardening and horticulture techniques.

Lauren Lochstampfor (*Lock-stamp-four*) is an Environmental Health Specialist with the Fairfax County Health Department's Disease Carrying Insects Program. She received her B.S. in Fisheries and Wildlife Management from Michigan State University. In 2001, Lauren began her career in mosquito control as a summer employee treating catch basins for Clarke Mosquito Control in Roselle, IL. During her 14 years at Clarke, Lauren worked as a field employee, Operations Supervisor, Control Consultant, and as their Biologist for the Eastern Region. In 2015 she began her current position with Fairfax County's Disease Carrying Insects Program. When not working with mosquitoes and ticks, Lauren can be found playing video games, working on her insect collection, foraging for wild edible mushrooms, or reading a good book. She currently lives in Manassas, VA with her husband Eric, and their two cats, Kahoo and Dodge.



YORK COUNTY MOSQUITO CONTROL SEASON WRAP UP

Weekly mosquito trapping operations were conducted from May through October. Staff trapped and speciated over 6500 mosquitoes this season representing 28 species. We were excited to collect two new species not found previously; *Uranotaenia sapphirina* and *Toxorhynchites rutilus*. The species captured most frequently was *Aedes albopictus*, the Asian Tiger, representing 66% of the total capture.

Ground spray operations were conducted throughout the County from May through October. For the second consecutive year, no aerial spray operations were conducted. Larvicide was applied to ditches, depressions, and water holding areas throughout the season. The entire vacuum sewer system within the County was treated with larvicide for the first time.

Staff participated in two research projects this season. The first was a trial of an organic, garlic based pesticide and was completed in the Tabb area. The second was the testing of an organic larvicide. This study was conducted over a six month period within the vacuum sewer system in the Dare area and the results will be presented at the annual AMCA meeting. For more information, please visit our website.

Focus was put on increasing education and outreach activities this season. Some examples were participating in Market Days; presenting an educational program to every York County 3rd grade class; producing two new brochures; updating the departmental website; filming two features on WTKR news; performing door to door canvassing events; and putting educational displays in the libraries. The 2nd annual Mosquito Control tire amnesty event was conducted in June.

In the coming season, focus will continue on increased education. We will also increase our larvicide operations in our continuing effort to have a green and sustainable mosquito control program. The use of bicycles to deploy larvicide, rather than trucks or ATVS, began in 2015 and will be increased in the 2016 season.



York County Mosquito Control staff (l to r): Elizabeth Hodson, Leah Aguilar, and Michelle Slosser.

For more information on our operations, please visit our website at www.yorkcounty.gov/mosquitocontrol.

New Mosquito Key for the Mid-Atlantic Region is Coming

The long awaited “**The Mosquitoes of the Mid-Atlantic Region: An Identification Guide**” has been completed and will be submitted to the printer in the next 2-3 weeks. The book will contain specifically designed mosquito keys for 8 states that make up the Mid-Atlantic Mosquito Control Association, (GA, SC, NC, VA, MD, DE, PA, and WV). Tennessee will not be included in the key due to the fact it became part of MAMCA after the keys were completed and the 599 illustrations were finished, numbered and inserted into the key couplets.

The book will be “wired- bound, and include 206 pages with: keys to female and larval mosquitoes for 89 species, 599 illustrations, notes, a glossary, lists of species in the above MAMCA states, plus a number of other informative parts designed for mosquito control personnel”.

Fortunately for us, Dr. Harrison will be attending the VMCA meeting in January but will not be selling copies or have them on hand. However, he will have one for show and will provide information on the price and how to order them.

So, be thinking about all the very useful information that will be at your fingertips at a very reasonable price and how many copies you or your office will need.

For more information contact:

Dr. Bruce Harrison (skeeterdoc@gmail.com) or Ann Herring at mherring@suffolkva.us

Respectfully Submitted by:

Ann Herring

Virginia State Representative for MAMCA

VMCA Award Nominations

It is time to consider nominations for the VMCA annual awards. Please send your nomination with a complete write-up of why you think an individual should receive the award to Kirby Foley at kfoley@cityofchesapeake.net. The awards are:

- **R.E. Dorer Award**
- **Honorary Membership**
- **Outstanding Service Award**
(resulting from field work)
- **Distinguished Service Award** (for
organizational work)
- **Certificate of Appreciation** (can be for an outsider that provided some service)

*Send in your
nominations!*

2016 VMCA Recertification Course

Dear Members,

The Virginia Mosquito Control Association is sponsoring a re-certification course for Categories 6, 8, 7A-General Pest (New this year) & Registered Technician (60) on Thursday, January 14, 2016. It will be held at the Hampton Library, 4207 Victoria Blvd, Hampton, Virginia. Registration is at 9:00 AM.

Please be on time!

The fee for this course is **\$10.00 for VMCA Members, \$15.00 for non-members (applicators not for hire), and \$30.00 for non-members (applicators for hire). There will be a \$2.00 late fee after January 7, 2016.**

Should you have any questions or need further assistance, please contact either Lisa Wagenbrenner at (757) 673-3932 or Penelope Smelser at (757) 683-8662.

NAME: _____ PHONE: _____

CERTIFICATE NUMBER: _____

AFFILIATION/ORGANIZATION: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

Please make check payable to VMCA

Mail or fax form to: Penelope Smelser, Secretary/Treasurer, 2800 Tarrant Street, Norfolk, VA 23509. Phone: 757-683-8662, Cell: 757-478-0504, Fax: 757-683-2500,

Email: penelope.smelser@norfolk.gov

Directions

Location: Hampton Library

Address: 4207 Victoria Blvd, City of Hampton, Virginia

Phone: (757) 727-1154 (Library)

Parking: Please park at the stadium parking lot across the street.

Coming from I-64 West

Take exit 267, make a left on Settlers Landing Road, proceed to bridge and through town, make a left on Kecoughtan Road, go two blocks, Hampton Library on your left. (Library is on the corner of Kecoughtan and Victoria Road).

Coming from I-64 East

Take exit 265A to Lasalle Avenue, make a right, go to Settlers Landing Road, make a left, go to Kecoughtan Road, make a right and go two blocks, Hampton Library will be on the left.

Coming from I-664

Take Exit 1B for I-64 East, then take exit 265A to Lasalle Avenue, make a right, go to Settlers Landing Road, make a left, go to Kecoughtan Road, make a right, go two blocks, Hampton Library is on the left.

VMCA Recertification Class Agenda

9:00	Registration, coffee & donuts	Penelope Smelser VMCA Secretary
9:30 - 9:45	Welcome	Jay Kiser VMCA President
9:45 - 10:15	Vectors, Life Cycle, Control/Surveillance/Environmental	Jennifer Pierce Acting Biologist, VA Beach Mosquito Control
10:15 - 10:45	Personal Protective Equipment	Lisa Wagenbrenner Biologist, Chesapeake Mosquito Control
10:45 - 11:15	Formulations and Products <i>Liquid Formulations, Dry Formulations, Fumigants, and Adjuvants</i>	Jeff Hottenstein Regional Sales Manager, Clarke Mosquito Control
11:15 - 12:00	Legal Aspects <i>Certification categories and procedures, responsibilities of pesticide applicators, EPA approval of pesticide labeling, restricted use chemicals and pesticide use</i>	Robert Christian, VDACS
12:00 - 13:00	LUNCH (on your own)	
13:00 - 13:30	Pesticide Handling, Mixing, and Loading <i>Personal safety considerations, pre-application decisions, safe mixing and loading practices and applying pesticides safely</i>	Kirby Foley Operations Director, Chesapeake Mosquito Control
13:30 - 14:30	General Pest Control <i>Identification & Control of pests in structures/stored products/food processing facilities</i>	George Wojcik Public Works Administrator, Portsmouth
14:30 - 15:00	Applying the Correct Amount <i>Deciding how much to apply, calibration methods, calibrating your equipment and measuring accurately</i>	Phil Meekins Superintendent, Virginia Beach Mosquito Control
15:00 - 16:00	Right-of-Way Pest Control <i>Identification, Management, and Equipment/Application</i>	George Wojcik Public Works Administrator, Portsmouth

New VMCA Merchandise

The Merchandise Committee is pleased to announce the following new items for sale at the 2016 VMCA Annual Meeting! Items from past meetings will also be available for purchase, some at a reduced price. Please stop by the merchandise booth throughout the meeting and pick up some great items to support the VMCA and promote mosquito control awareness!

For every \$50 purchase, you will receive a FREE TOTE BAG!



VMCA Merchandise Prices

<u>Short-sleeve T-shirts</u>	<u>S-XL</u>	<u>2XL-3XL</u>		
Blue/gray Anatomy	\$8		<u>Other Items</u>	
Black <i>Ae. albopictus</i>	\$10	\$15	Pint glass	\$6 each or 2 for \$10
<u>Long-sleeve T-shirts</u>			Mug	\$4 each or 2 for \$7
Gray/Tan Swarm	\$10		Reusable Tote Bag	\$3
Tan Wanted	\$15	\$15	Koozie	\$2
<u>Outerwear</u>			Decal (large)	\$2
Gray Hooded Sweatshirt	\$25	\$30	Decal (small)	\$1
Black <i>Ae. albopictus</i> Zip-up	\$30	\$35		

What's That? Answer

That is a portion of a figure describing microsatellite allele frequencies in *Aedes aegypti* individuals collected in Washington, D.C. You've seen Andy Lima present details on this overwintering population for the past couple VMCA meetings. Well, now you can read all about it. His findings have been published in the January, 2016, issue of the *American Journal of Tropical Medicine and Hygiene* in an article entitled "Evidence for an Overwintering Population of *Aedes aegypti* in Capitol Hill Neighborhood, Washington, DC".

The article may be found at

<http://www.ajtmh.org/content/early/2015/10/29/ajtmh.15-0351.abstract>

(subscription required) or you can probably contact [Andy](#) directly for a reprint.

VMCA Annual Meeting Registration

VIRGINIA MOSQUITO CONTROL ASSOCIATION

PRE-REGISTRATION FORM

ANNUAL MEETING, January 26-28, 2016

Renaissance Portsmouth-Norfolk Waterfront Hotel

NAME: _____

AFFILIATION: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____

WORK PHONE: _____ HOME PHONE: _____

EMAIL: _____

REGISTRATION FEE SCHEDULE

CHECK ONE

Regular Member	\$90.00	_____
Non-member	\$100.00	_____
Full-time Student	\$25.00	_____
One Day Fee (includes banquet) \$55.00		_____
One Day Fee (excludes banquet) \$25.00		_____

Registration fee includes coffee breaks, banquet, and socials

Registration at the door will be:

Regular & Organization Members	\$100.00	_____
Non-members	\$110.00	_____

Please fill out form completely and e-mail, mail, or fax to:

Virginia Mosquito Control Association
Attn: Penelope Smelser, Secretary/Treasurer
2800 Tarrant Street
Norfolk, VA 23509
Email: Penelope.smelser@norfolk.gov
Phone: 757-683-8662
Cell: 757-478-0504
Fax: 757-683-2500

*This form is for Annual Meeting registration only; use separate form for membership.

VMCA Membership Application and Renewal Form

Virginia Mosquito Control Association New Membership & Member Renewal Application

MEMBERSHIP TYPE: () RENEWAL () NEW
 Mark an "X" in the appropriate box

Membership payment is by calendar year

NAME:	Regular \$ 15.00	
PHONE:	Associate \$ 10.00	
ADDRESS:	Student: *Enclose proof of student status \$ 10.00	
E-MAIL:		
ORGANIZATION:		
	TOTAL SUBMITTED	

Please "X" here if you cannot receive the newsletter by email

Questions or comments can be directed to Penelope Smelser, Secretary-Treasurer, 757-683-8662 or mail to: Penelope.smelser@norfolk.gov

Send payment (made payable to **VMCA**) and mail/fax this form to Secretary/Treasurer –or- fill out the form, save and submit by email.

Penelope Smelser
 VMCA Secretary-Treasurer
 2800 Tarrant Street
 Norfolk, VA 23509
 757-683-8662 office phone
 757-683-2500 office fax

Regular Member - VMCA Newsletter, hold office, serve on committees, propose motions, vote, and participate in business meetings.

Associate Member - VMCA Newsletter, participate in business meetings.

Student Member - VMCA Newsletter, serve on committees and participate in business meetings.

(Student must be enrolled at least 1/2 time in an accredited college or university and produce valid College/University ID Card.)

2015 Sustaining Members

The VMCA gratefully acknowledges the support of the following sustaining members for 2015. Without their generous contributions, much of what we do would not be possible. Please do not hesitate to contact them. They are here to help you!

<p style="text-align: right;">Ted Bean (814) 671-6516 tbean@myadapco.com</p> 	<p style="text-align: right;">Zach Cohen (800) 227-8664 zcohen@summitchemical.com</p> 
<p style="text-align: right;">Matt Crabbe (804) 334-7370 crabav@gmail.com</p> 	<p style="text-align: right;">Ryan Pierson (208) 324-8006 elecdata@elecdata.com</p> 
<p style="text-align: right;">Jeff Hottenstein (703) 498-9362 jhottenstein@clarke.com</p> 	<p style="text-align: right;">Steven Sullivan ssullivan@central.com</p> 
<p style="text-align: right;">TK Rosolina (540) 447-6738 Mrosolina@dynamicaviation.com</p> 	<p style="text-align: right;">Joe Andrews (888) 603-1008 joea@allprovector.com</p> 
<p style="text-align: right;">Doug Hill (800) 570-4277 Dhill@morrellonline.com</p> 	<p style="text-align: right;">Gordon Morrison (919) 452-7145 Gordon.morrison@bayer.com</p> 
<p style="text-align: right;">John Singletary john.singletary@univarusa.com</p> 	<p style="text-align: right;">Jim Andrews (910) 547-8070 j.andrews@valent.com</p> 

Virginia Mosquito Control Organizations & Other Resources

As a result of revisions to the VMCA By-Laws, the organizational member category was eliminated. In order to facilitate communication among mosquito control districts, those that have traditionally been organizational members are listed below along with their websites. If there are other sites that should be listed, please submit them to the editor.

Virginia Mosquito Control Organizations

[Alexandria Health Department](#)

Boykins, Town of

[Chesapeake Mosquito Control Commission](#)

Emporia, City of

[Fairfax County Health Department](#)

Fort Eustis

[Gloucester County](#)

[Hampton, City of](#)

Henrico County

[Newport News, City of](#)

[Norfolk, City of](#)

[Portsmouth, City of](#)

[Prince William County Mosquito & Forest Pest Management](#)

Richmond, City of

[Suffolk, City of](#)

US Air Force / Langley Air Force Base

[Virginia Beach Mosquito Control](#)

[York County](#)

Health Information

[Virginia Department of Health](#)

[Centers for Disease Control & Prevention](#)

Other Mosquito Control Organizations

[Mid-Atlantic Mosquito Control Association](#)

[American Mosquito Control Association](#)

[AMCA/Fairfax County Education and Outreach Materials](#)

Submissions wanted!

Have something you'd like to include in the next issue of *The Skeeter*? We are looking for organizational updates, operational news, education and other outreach activities, pictures, stories, or other vaguely vector-related items to include in an upcoming newsletter.

Please send all items to Justin Anderson at janderson152@radford.edu.

The deadline for inclusion in the next issue is: **March 31, 2016.**

The Skeeter
Newsletter of
The Virginia Mosquito Control Association

Justin Anderson
Department of Biology, Box 6931
Radford University
Radford, VA 24142
Phone (540) 831-5639

www.mosquito-va.org



Take the time to volunteer on a committee. An active membership makes for a stronger organization.
Contact anyone on the Board to participate.

2015 Virginia Mosquito Control Association Officers

President: Jay Kiser	(757) 514-7608	jkiser@suffolkva.us
President Elect: Josh Smith	(703) 246-8477	joshua.smith@fairfaxcounty.gov
Vice President: Jeff Hottenstein	(703) 498-9362	jhottenstein@clarke.com
1st Vice President: George Wojcik	(757) 393-8666	wojcikg@portsmouthva.gov
Secretary / Treasurer: Penelope Smelser	(757) 683-8662	Penelope.smelser@norfolk.gov
Past President: Jennifer Pierce	(757) 426-5420	JPierce@vbgov.com
*TMVCC Representative: Karen Akaratovic	(757) 514-7608	kakaratovic@suffolkva.us
*MAMCA Representative: Ann Herring	(757) 514-7608	mherring@suffolkva.us
*Sustaining Member/Industry Rep: Jeff O'Neill	(302) 312-3950	joneill@central.com
*Non-voting member of the Board		

The Skeeter is the official publication of the Virginia Mosquito Control Association.

The VMCA membership is encouraged to submit articles, reviews, and any other interesting facts or tidbits for publication. Submissions can be sent to Justin Anderson at skeeter@radford.edu.

Committee Chair / Production: Justin Anderson, Radford University

Distribution: Penelope Smelser, Norfolk

Editorial review: All the members of the board.

Production advisor: George Wojcik, City of Portsmouth