



THE SKEETER



President's Message

It is my pleasure to address you in the Skeeter as the President of the Virginia Mosquito Control Association. This past winter, our organization had a great turnout at the joint VMCA/MAMCA meeting in Newport News at the Marriott City Center. I would like to thank everyone who helped make the meeting informative and timely to the issues facing vector control professionals today. In addition, the VMCA had the first student poster competition, and thanks goes to the student competition committee and the other volunteers who made that happen!

We have a number of VMCA and AMCA events coming up which are great opportunities to network with your fellow mosquito control professionals.

On April 19th and 20th, the VMCA Education Committee is sponsoring a Mosquito Larval ID course. If interested in attending, there are still a few spaces left for this course. The instructor will be Dr. Bruce Harrison, author and entomologist, with help from VMCA members. Location: City of Suffolk Public Works Training Facility, 800 Carolina Rd, Suffolk VA, 23434. We would like to thank the sustaining members (ADAPCO, Central Life Sciences, and Clarke) whose donations are sponsoring the event.

May 8th and 9th The VMCA Education Committee is holding its annual Adult Mosquito ID course in Suffolk, VA, space will be limited to 25 students and additional information can be found on the [VMCA website](#).

May 15th to 17th, AMCA 19th annual Washington Conference in Washington DC; this is an opportunity to go to Capitol Hill and discuss issues that are relevant to community. There is more information on the [AMCA website](#).

Virginia has also been picked as a training location for the AMCA/CDC train the trainer program. Two VMCA members have attended the Master Trainer program who

Jeff Hottenstein
VMCA President
2017



will be a part of the teaching team. Thank you, Jay Kiser and Lauren Lochstampfor for volunteering to become Master Trainers!

And finally, I would like to introduce the 2017 VMCA Executive board: Josh Smith: Past President, Jeff Hottenstein: President, George Wojcik: President Elect, LaToya White: Vice President, Andrew Lima: 1st Vice President, Penny Smelser: Secretary/Treasurer. Other board members include: Anne Herring: MAMCA representative, Mitch Burcham: TMVCC Representative, and Ted Bean: Sustaining Member/Industry representative.

Again, thank you to everyone for participating in this wonderful organization as the VMCA looks forward to the upcoming year.

Jeff Hottenstein,
VMCA President

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April 2017

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Announcements

Upcoming Meetings

VMCA Larval Identification Course

April 19-20, 2017

Suffolk Public Works, Suffolk, VA

TMVCC Adulticide Rodeo

May 11, 2017

Gosnold's Hope Park, Hampton, VA

AMCA Washington [Conference](#)

May 15-17, 2017

Washington, DC

VMCA Adult Identification [Course](#)

May 8-9, 2017

Suffolk Public Works, Suffolk, VA

Newport News Park [Bioblitz](#) 2017

May 20-21, 2017

Newport News Park, Newport News, VA

[ESA Entomology](#) 2017

November 5-8, 2017

Denver, CO

71st Annual VMCA Meeting

January 23-25, 2018

Renaissance Hotel, Portsmouth, VA

NCMVCA/MAMCA Joint Annual [Meeting](#)

February 12-14, 2018

Carolina Beach, NC

VMCA Organizational Mailing Address

Virginia Mosquito Control Association
Penelope Smelser, Secretary/Treasurer
2600 Tarrant Street
Norfolk, VA 23509
Phone (757) 683-8662
Email: Penelope.Smelser@norfolk.gov

Save the Date!

Virginia Mosquito Control Association 71st Annual Conference



Portsmouth Renaissance Hotel
January 23-25, 2018

Have information on a meeting that may be of interest to VMCA members? Attend a meeting and want to submit a summary? Please send it to the [Editor](#)!

What's that?



answer on page 12

VMCA Larval ID Course

Virginia Mosquito Control Association Larval Identification Course

April 19th and 20th, 2017

Instructor: Dr. Bruce Harrison

Location: City of Suffolk Public Works Training Facility, 800 Carolina Rd, Suffolk VA, 23434

Cost: \$50.00 per student

Bruce Harrison, with the help of VMCA members, will be teaching this two-day course. The course is open to VMCA members but will be limited to 20 participants. Due to limited seating, the number of participants per jurisdiction will be no more than 2 students. VMCA will provide handouts, assortment of tools needed for the course, and a light breakfast.

Hands on identification of over 20 local species

Learn from the new Mid-Atlantic Regional Identification Book

Recognize the value of larval identification and how it can be implemented in your program

Learn to identify disease vectors before they are adults (Dengue, Chikungunya, Zika, WNV, etc.)

Learn techniques for heat killing and preserving specimens

Learn dipping techniques, how to identify larval habitats, and key larval behaviors

..... and much more

Agenda
on next
page!

Participants must bring the following:

Microscope with 55x or higher (45X + 15X ocular lens will suffice)

A light source that shines from above (fiber optics preferred)

A copy of "Mosquitoes of the Mid-Atlantic Region: An Identification Guide"
(some copies may be available for use and for sale at the course for \$30)

For questions or assistance regarding the course, please contact Jay Kiser at (757) 514-7608. For questions regarding payments, please contact Penelope Smelser at (757) 683-8662.

Participant Name: _____

Organization or Affiliation: _____

Mailing Address: _____

City: _____ **State:** _____ **Zip:** _____

Phone: _____ **Email:** _____

Please make check payable to VMCA
Mail or fax registration form to: Penelope Smelser, VMCA Secretary/Treasurer
2800 Tarrant Street, Norfolk, VA 23509.
Phone: 757-683-8662, Fax: 757-683-2500
Email: penelope.smelser@norfolk.gov

VMCA Larval ID Course

VMCA Larval Mosquito Identification Course

April 19-20, 2017

800 Carolina Rd, Suffolk VA 23434

Public Works Main Building, Training Room

Tentative Course Agenda

April 18th (Tuesday)

1:00-4:00PM Drop off and set up scope and other equipment if desired

April 19th (Wednesday)

7:00-8:00 AM	Light Breakfast, set up equipment, mingle
8:00-8:30 AM	Introductions
8:30-9:00 AM	Equipment, keys, and how to use the microscope
9:00-9:30 AM	Value of larval control for your program
9:30-10:00 AM	Knowing larval habitats, targeting and control
10:00-10:15 AM	Break
10:15-11:15 AM	Morphology
11:15-12:00 AM	Use of the larval key to genera
12:00-12:30 AM	Lunch
12:30-3:30 PM	Field trip: bring dippers, whirl-paks, and waterproof boots
3:30-4:30 PM	Heat kill, sort, and preserve the larvae (without ID). Record keeping

April 20th (Thursday)

7:00-8:00 AM	Light Breakfast, set up equipment, mingle
8:00-10:00 AM	Identification of larval species
10:00-10:15 AM	Break
10:15-12:00 PM	Identification of larval species
12:00-1:00 PM	Lunch (on your own)
1:00-3:00 PM	Identification of larval species
3:00-3:15 PM	Break
3:15-4:30 PM	Identification of field trip specimens
4:30-5:00 PM	Graduation and passing out of certificates

VMCA Adult ID Course

The VMCA is holding a 2-day FREE adult mosquito ID course on May 8th and 9th. It will be conducted by the combined efforts of local mosquito control biologists.

This is not taxonomy or a refresher course but a more practical training geared toward seasonal interns, summer part-time biology positions or mosquito biologists new to the area. Class size is limited to 25 so please make every effort to send eligible participants. Sign-up is on a first come first serve basis. New participants have preference over

returning individuals; if space is available then others will be accepted. Please sign up early.

This information is also posted on the [VMCA website](#). The course will be held at Suffolk Mosquito Control, 800 Carolina Rd, Suffolk, Virginia 23434 in the Admin building training room 128. Lunch is on your own but there are plenty of places to eat within a short drive. An on-site refrigerator is available. We will provide coffee, donuts, fruit, soda, and water for both days.

Submitted by Education Committee Chair
Lisa Wagenbrenner

Supplies/microscopes are limited but we will have a few extras on hand.

Please bring the following items:

- microscope with lamp
- power strip
- extension cord
- forceps
- petri dishes
- Kim wipes
- alcohol
- notebook/pens/pencils
- refillable coffee mug (optional)

Tentative Schedule for Mosquito Identification Course May 8 & 9, 2017

Monday- May 8th, 2017

7:30-8:00	Light refreshments
8:00-8:05	Overview of Course
8:05-9:30	General mosquito info
9:30-9:40	Break
9:40-10:30	Diseases and economic impact of mosquitoes
10:30-11:00	Environmental concerns with field work
11:00-11:30	Lab protocol
11:30-12:30	Lunch (on your own)
12:30-12:45	<i>Anopheles</i> genus
12:45-1:00	<i>Culex</i> genus
1:00-1:15	Minor genera
1:15-1:30	Break
1:30-1:45	Dichotomous Key demonstration
1:45-3:00	ID mosquitoes w/microscopes & key/flash cards
3:00-3:30	Introduce traps and setup demo

Tuesday- May 9th, 2017

7:30-8:00	Light refreshments
8:00-9:00	Retrieve traps and TEA demo
9:00-9:15	<i>Aedes</i> genera (woodland/saltmarsh/open areas)
9:15-9:30	<i>Aedes</i> genera (natural/artificial containers)
9:30-9:45	<i>Psorophora</i> genus
9:45-10:00	Break
10:00-12:00	ID mosquitoes w/ microscopes & key/flash cards
12:00-1:00	Lunch (on your own)
1:00-2:00	ID mosquitoes w/microscopes & key/flash cards

Please e-mail **Lisa Wagenbrenner** (lwagenbrenner@cityofchesapeake.net) with participant's name, city/county, and any supplies you are lacking.

Suffolk Mosquito Control (Admin building, training room #128) 800 Carolina Road, Suffolk VA 23434

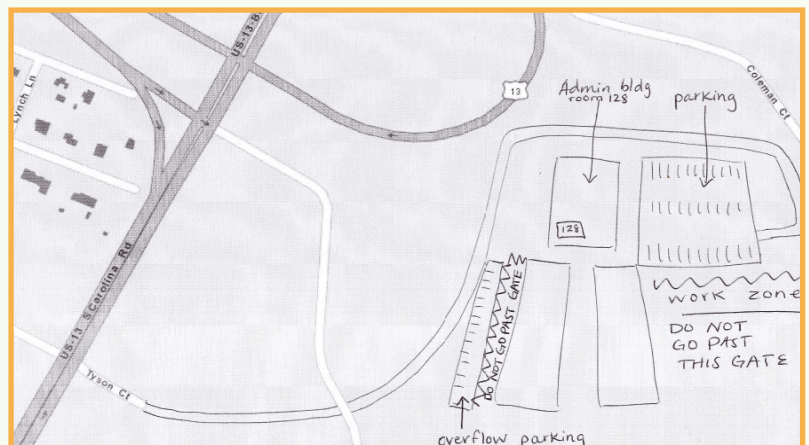
From I-664S/I-264W/I-64W

Take exit for US-58W/US-13S
Merge right to stay on US-13S, follow signs for Ahoskie NC/Edenton NC/Virginia 32
Go straight through light crossing Carolina Rd
Turn left at the yield sign

From SR-32N/US-13N

Merge/stay on US-13N past Suffolk Airport
Turn right onto Tyson Court

Follow the road to the rear parking lot. The training room is located in the administration building (see diagram). Contact 757-514-7608 for assistance



Annual Meeting Recap



Newport News Marriott at City Center, this year's location for the MAMCA and VMCA Joint Conference.



Doug Hill, Tim DuBois, Alexis White, Andy Kyle and Dennis Salmen

This year, Virginia played host to the Mid-Atlantic Mosquito Control Association's 42nd Annual Meeting and the Virginia Mosquito Control Association's 70th Annual Meeting. In beautiful Newport News, VA, the two organizations met from January 31st-February 2nd, 2017 for a combined annual meeting. A near-record attendance of 160+ attendees were on site to hear presentations from all 9 member states of MAMCA on topics ranging from swimming pool regulations, rabies, insecticide resistance, beekeeping response, and of course ZIKA. This year also showed a renewed interest from sustaining members, as there were a total of 15 members signed up and 9 exhibiting.

There was a new addition to the meeting as the VMCA Student Competition was created. There was a silent auction as well as a 50-50 raffle which all proceeds assist the future endeavors of the student competition committee. This year's winner was Alexis White with her presentation: "TickBot Efficacy in Residential and Wildlife Habitats in Portsmouth, VA." Ms. White was awarded a prize of \$500.00 and the inaugural Dr. Jorge Arias Award. More on the student competition on page 11.

With the two organizations combining for the meeting, there were a number of awards given. The VMCA honored Doug Hill, a longtime sustaining member, with the Distinguished Service Award, along with congratulations on his upcoming retirement. Tim DuBois was also awarded the Distinguished Service Award for his ongoing support within the organization. For more details, see the following page. MAMCA also handed out two awards; Andy Kyle, the current and long-standing secretary treasurer was awarded the Outstanding Services Award for his dedication to the organization. Dennis Salmen, the current and longstanding newsletter editor, was awarded the prestigious R.E. Dorer Award for his continued support over many years post-retirement. All award winners are thanked for their years of service for both organizations.

Be sure to join us next year for the 71st Annual VMCA Meeting that will be held at the Portsmouth Renaissance Hotel from January 23-25, 2018!

Submitted by: Tim DuBois

Incoming Presidents



Passing of the torch. President Jeff Hottenstein (right) presenting the President's plaque to Joshua Smith (left).



Handing of the gavel. Incoming President Tim DuBois (right) receiving the President's gavel from Past President Abelardo Moncayo (left).

VMCA Annual Meeting Awards

Distinguished Service Award: Doug Hill

Working with Nikon/Morrell, Doug Hill has been an active VMCA Sustaining Member for over a decade. During this time, Doug has stayed involved in both VMCA and TMVCC by providing his help whenever needed.

He is always willing to contribute equipment to VMCA's identification courses, sponsorship to TMVCC's monthly meetings, and even donations to the VMCA hospitality room. He is always a pleasure to talk to and staple to our organization. We wish him well in his retirement and hope he knows he will be missed. I have one last question for you Doug, "how many Lincoln's are on a penny?"

Distinguished Service Award: Tim DuBois

Tim DuBois has put forth an abundant amount of effort towards the VMCA over the years with great enthusiasm and commitment. He is one of the first to volunteer for new projects and to fill the responsibilities of vacant positions.

In the late 2000's, he took on the 3-year position of TRAST coordinator and TMVCC executive board. In 2010, he stepped up to become MAMCA representative for the VMCA executive board and devoted 5 years to the position. He has participated in various areas of the VMCA organization and has helped as much as possible. Presently, and for the past several years, he is chair to the Historian and Local Arrangements committees while actively participating as a member in the Education, Meeting Agenda, Merchandise, and Information committees. As 2016 Vice President of MAMCA and active member of VMCA, he took on a bulk of the responsibilities for the 2017 joint meeting and made sure everything was accounted for.

Tim DuBois has played an important role in the VMCA family for a long time now and I would like to thank him for all his commitment.



Morrell Instruments representative Doug Hill (left) receiving the Distinguished Service Award from VMCA President Joshua Smith (right).



Tim DuBois (left) receiving the Distinguished Service Award from VMCA President Joshua Smith (right).

Submitted by Former VMCA President Jay Kiser
Photos taken by Photography Chair Elizabeth Hodson

Nominating Committee Seeks Candidates

VMCA's Nominating Committee is seeking nominations for the 2018 VMCA executive board.

Are you or a VMCA member you know interested in being on the VMCA board? If so, please contact the Nominating Committee Chair, Joshua Smith (joshua.smith@fairfaxcounty.gov), with the name and contact information of your nomination. We are seeking nominations for the First Vice President opening on the 2018 Executive Board. The member voted into this position typically moves up the ranks of the executive board each successive year; a five-year commitment.

VMCA needs the help of dedicated and enthusiastic individuals to keep our organization running great. For more information about the VMCA executive board and the duties of the board members, please refer to the Virginia Mosquito Control Association: Book of Guidelines for Board Members and Committees, available [here](#).

Submitted by Nominating Chair Joshua Smith

AMCA 83rd Annual Meeting Recap

Virginia mosquito control programs had four members from two municipalities represented at the 2017 American Mosquito Control Association (AMCA) conference, which took place on February 13-17 in San Diego, California. AMCA attendees included Filipinas Caliboso and Nate Nagle of Prince William County and Charles Abadam and Jay Kiser of Suffolk Mosquito Control.

The weather in San Diego was great and the palm trees and bright shining sun were a warm welcome to the cold weather back in Virginia. Once we arrived at the hotel, familiar faces were seen roaming the hotel grounds awaiting the Welcome Reception and the Grand Opening of the Exhibit Hall. Once you spark up that first conversation with colleagues old and new to you, you know the conference has begun.

Jay Kiser and I participated in the Committee Meeting Sessions for the first time this year and we sat in on the Science and Technology Committee (S&TC). Dennis Salmen encouraged us to go to the meeting in his stead but also for our own knowledge. Initially we were there just to gather information about new ways to judge our newly formed VMCA Student Competition but we soon learned a lot of valuable information that many of us will benefit from. Since we were new to the committee, we stood out amongst the 15-20 members and we were immediately welcomed, asked to officially join the committee, and if we were available to judge the AMCA poster competition. We were reluctant to agree to anything because we didn't know what the committee was all about. So we politely said we would think about it, but during the whole meeting nudges for our participation were definitely swaying our minds.

The meeting continued with introductions from all of the members and a discussion about their main topic of interest began. We began to learn about the Mosquito Research Foundation (MRF) and its purpose to award grants to deserving young researchers based on the merit of their work and research in the mosquito field. The MRF has now since been dissolved and the S&TC have now become in charge of every aspect of the MRF which has now been termed the AMCA Mosquito Research Grant Program (MRGP). We were able to provide input and listen as a new agenda and criteria for the MRGP were being developed. Jay and I became very interested because the possibility of receiving an award like this was becoming more

(Continued on next page)



Night Sky from the AMCA Hotel Grounds

AMCA 83rd Annual Meeting Recap

apparent and visible to many more mosquito minded people than previously known. We didn't even know about it and now we are able to tell you that something like this will be coming in the future to anyone wanting to do a mosquito project that needs funds. There is more work that the committee needs to do to make this available but be on the lookout.

After much discussion we moved onto the details about the 2017 Poster Competition. It was at this time we decided to help judge the competition, at first we wanted to team judge, but with more encouragement we decided we would be able to both judge separately. Needless to say that by the end of the meeting we were excited about the kinds of topics the S&TC deals with and wanted to be a part of that process. I'm proud to announce that Jay Kiser and Charles Abadam are the Mid-Atlantic representation for the S&TC. They were excited to have us and like all organizations such as AMCA and VMCA it is important to get involved with the committees because they are the nuts and bolts of making an organization run smoothly.

Lions, *Ae. albopictus* (Tigers), Grizzlies (Bears), Oh My! The presentations at AMCA are the meat and bones of the conference and Jay and I were primed for knowledge intake after the committee meetings, welcome reception, and exhibit hall opening. We soon met with Nate and Pi to talk about the presentations we were going to see. We all quickly learned that this year was the year that Zika, *Aedes aegypti*, and *Aedes albopictus* were the main focus of the conference. If you left this meeting without hearing anything about these subjects, you either didn't attend or were asleep.

Many topics of interest include the ongoing research with genetically modified mosquitoes, auto dissemination of pesticides to larval habitats, novel Carbon Dioxide generators, Zika presence and control operations for *Aedes aegypti* and *Aedes albopictus* in FL, the use of Grizzlies to apply larvacides to artificial containers in FL counties, and one of my all-time favorites; novel mosquito surveillance and control methods. Jay Kiser was the only member who presented at this meeting with the topic: "*Determining peak activity times of Aedes albopictus using new BG Counter and modified rotator trap.*"

The vendor exhibit hall was very lively. New products and equipment were displayed and explained at extravagant booths. This is where conversations start, end, and continue; plans are made for nightly dinners and events; lunches, coffee breaks, ice cream socials are taken; also the exhaustion from brain drain can be seen settling in on people's faces. Many of us welcome this exhaustion from a week's worth of non-stop mosquito dialogs but are glad to get back home to digest these golden nuggets of information.

The banquet hosted by Stan Cope, 2016 AMCA president, ended the second to last day of the conference. Awards for students and special members were given out, and a delicious meal was consumed. The main speaker was the father of a young woman that was struck ill and died of EEE. It was heartfelt and made everyone listening feel how important is to do and continue the work that we do. So keep it up everyone and have a Great Season!!!

Submitted by Charles Abadam



Chesapeake Mosquito Control: Spring Aerial Larvicide Mission

A historic rain event in September 2016, followed 2 ½ weeks later by Hurricane Mathew, created perfect conditions for several mosquito species that became huge problems for the residents of Chesapeake. *Aedes canadensis*, normally a spring mosquito, emerged in an unprecedented fall brood, adding to our headaches. The number of females we trapped during this unusual fall emergence was double the whole-season 10-year median for this species. Their vector potential, combined with the likelihood of millions of larvae developing over the winter, made them our primary target for the 2017 spring aerial larvicide mission.

On a very cold, breezy Sunday morning, our team met at a local farmer's field to calibrate the helicopter that would apply a 1:25 mix of Altosid SR20 and Vectobac 12AS to about 5,600 acres of woodland pools and swamp edges. Ted Bean from ADAPCO generously donated his time to help us out and give us expert tips on the process.

Kritter Cropdusting had to work around unfavorable wind conditions, but completed the liquid application by Thursday morning. The calibration team headed back out to the field and calibrated the hopper for application of Altosid XRG. These granules were applied to 927 acres, covering some *Ae. canadensis* breeding sites, but mainly areas where we have had problems with *Coquillittidia perturbans*.

Spots on most of the CD case covers placed in the liquid treatment zones indicate that the treatment reached its mark. Indeed, the biology lab team's post surveillance of most breeding sites in the zones indicates that there was a significant decrease in larvae the first week, not due to emergence. Lisa & Connie will continue larval surveillance in treatment and control zones for at least 3 weeks post treatment to monitor the efficacy of the mission. We will also closely watch trap catches this spring and hope to see a decline in numbers.

Submitted by Dreda Symonds



Left: Kritter Cropdusting helicopter and ground crew

Right: CMCC calibration crew: Zollie Russell, Jason Pevear & Bobby Whitaker



CD covers placed at Truitt showing spots from aerial liquid larvicide treatment

VMCA Student Competition

During the 2016 year, VMCA's newly formed Student Competition Committee (SCC) worked hard to set up the association's first student poster competition. Ten posters were submitted from colleges and universities around Virginia to compete for the grand prize of \$500 and the inaugural "Dr. Jorge Arias Student Competition Award". All of the posters were displayed in the meeting hall foyer of the annual VMCA meeting in Newport News. Many poster authors came to the annual meeting and participated in a Q&A poster session where VMCA and MAMCA members had a chance to talk with the students about their research projects.

First place poster went to Alexis White from Old Dominion University with the poster titled "TickBot efficacy in residential and wildlife habitats in Portsmouth, Virginia." During the awards banquet, Alexis received the Dr. Arias Award and a grand prize of \$500 which was funded by VMCA. Runner-up posters included Armin Bahrani, Lindsey Bidder, Rachel Matrevec, and Kristen Young, all students from Old Dominion University, were awarded free registration to the annual meeting which was provided by MAMCA.

During the 2017 annual meeting, the SCC attempted several fundraising ideas to help pay for first place awards in the future. A silent auction took place throughout the first two days of the meeting. Members of VMCA and MAMCA graciously donated 18 items to the auction ranging from handmade items to memorabilia and electronics. The auction made the SCC \$563.00. Another fundraiser that took place during the meeting was a 50-50 raffle. 544 raffle tickets were sold throughout the first two days of the meeting. After the winning drawing at the end of the second day, both SCC and Ann Herring each made \$272.00.

I would like to send a huge thanks to all my 2016 committee members (Dennis Salmen, Lane Carr, Karen Akaratovic, Francis Valera, Charles Abadam, Jamie Durden, and Michael Bowry) and poster judges (Bruce Harrison and Wes Robertson) for all the hard work they put into this event. They should all be super proud of themselves. I want to thank everyone that donated items to the silent auction, this was an enormous help. I also want to thank VMCA and MAMCA for your funding of prizes and student registrations, we would not have been able to have a 2017 student competition without you.

Submitted by Student Competition Chair Jay Kiser



2016-2017 Student Competition participants at the 2017 VMCA annual meeting. Students, Advisors, Committee Members, and Judges.



Giving the first "Dr. Jorge Arias Student Competition Award" during the lunch banquet of the 2017 VMCA annual meeting. Alexis White (left) receiving the award, Sara Shanks (center) and Josh Smith (right) giving the award.



Ann Herring showing off her winnings from the 50-50 raffle. This could be you next year!

What's that? Answer



That is a pattern on an adult Marbled Salamander (*Ambystoma opacum*). Hampton Environmental Services has introduced a Bio-Monitoring program this year and will be monitoring salamander and dragonfly larvae throughout the city. Look to the next edition of "Skeeter" to find out more details.

Tidewater Mosquito & Vector Control Council (TMVCC) Update

The TMVCC is off and running and we are looking forward to a great year. Our March meeting was a huge success as Randy Buchannan charged us up with a great talk on batteries and battery maintenance. The April meeting is just around the corner and I am looking forward to the talk by Wes Anderson on Aerial Plankton. I have no idea what that is and if I don't come to the meeting I won't find out. Our May meeting will include the "Rodeo" when Clarke Mosquito Control will graciously calibrate our foggers for us. There are still some speaking spots open and a couple of vendor spots so if you have a hot topic you would like to share or if you would like to sponsor a meeting please let myself, Michele Slosser or Chris Hohnholt know. I look forward to seeing each of you at the meetings this year.

Submitted by TMVCC President Mitch Burcham

VMCA Membership Application/Renewal

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	
Email:		
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.)

Merchandise Sales Continue!

Didn't get what you wanted at the VMCA annual meeting?
Weren't able to attend due to weather, time, funding?

There's still time to get all that mosquito swag you just have to have!



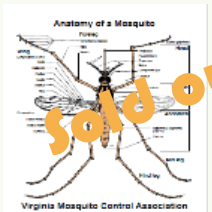
Black t-shirt with *Aedes albopictus* design (\$8-12)



Black zip-up hooded jacket & gray hooded sweatshirt with white *Ae. albopictus* design (\$25-35)



Blue can cooler with mosquito silhouette (\$2)



Blue or gray t-shirt with mosquito anatomy design (\$8)



Black leatherette portfolio with VMCA logo paper pad and pen, included (\$10)



Black/white decal/stickers with *Ae. albopictus* design (\$1-2)



Tan or gray long sleeve shirt with mosquito swarm design (\$10)



Pint glass with *Ae. albopictus* design (1 for \$6, 2 for \$10)



Black/white pen with VMCA & website print (2 for \$1)



Gray *Aedes albopictus* pullover hoodie (\$18-20)



Green reusable tote bag with VMCA logo (\$3, free with \$50 purchase)



2017 MAMCA/VMCA gray zipup hoodie (\$20-25)



2017 MAMCA/VMCA yellow onesie (\$10)



2017 MAMCA/VMCA gray short sleeve t-shirt (\$8-12)



2017 MAMCA/VMCA gray toddler tee (\$10)

The Merchandise Committee is continuing to sell the items listed through local pickup or shipment. If you have any questions or are interested in purchasing something, please contact VMCA Merchandise Chair, Tim DuBois (tdubois@hampton.gov) AND VMCA Secretary/Treasurer Penelope Smelser (Penelope.Smelser@norfolk.gov). Payments can be made by cash (local pickup only), check, or credit card. Local pickups will be conducted at Hampton Environmental Services (419 N. Armistead Ave). Shipping will be paid by the purchaser and will be done through the lowest cost method (unless otherwise requested). This information is also available [online](#).

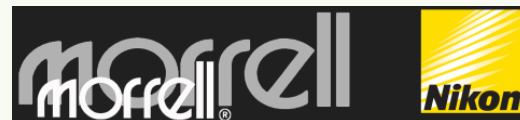


2017 MAMCA/VMCA tumbler (\$8)

2017 Sustaining Members

The VMCA gratefully acknowledges the support of the following sustaining members for 2017. 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!



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Virginia Mosquito Control Jurisdictions & 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 programs, jurisdictions with known mosquito and vector control programs are listed below. If there are other jurisdictions that should be listed, please submit them to the editor.

Virginia Mosquito Control Jurisdictions

[Alexandria Health Department](#)

Boykins, Town of

[Chesapeake Mosquito Control Commission](#)

[Chincoteague Mosquito Control](#)

[Fairfax County Health Department](#)

Fort Eustis

[Gloucester County Mosquito Control](#)

[Hampton Environmental Services](#)

Henrico County

[Newport News Vector Control](#)

[Norfolk Vector Control](#)

[Poquoson Mosquito and Drainage](#)

[Portsmouth Mosquito Control](#)

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

[Suffolk Mosquito Control](#)

US Air Force / Langley Air Force Base

[Virginia Beach Mosquito Control](#)

[Williamsburg Mosquito Control](#)

[York County Mosquito Control](#)

Other Mosquito Control Organizations

[American Mosquito Control Association](#)

[Mid-Atlantic Mosquito Control Association](#)

Other Resources

[Virginia Department of Health](#)

[Centers for Disease Control & Prevention](#)

[Fairfax County Education and Outreach Materials](#)



WANTED: SUBMISSIONS!



Do you have information you'd like to include in the next issue of The Skeeter or a photo you'd like to share? We are always looking for organizational updates, operational news, education and outreach activities, pictures, stories, and anything remotely vector-related to include in upcoming newsletters as well as on [Facebook](#) and [Instagram](#).

Please send all items to The Skeeter Editor: Tim DuBois at tdubois@hampton.gov

THE SKEETER

Newsletter of the Virginia Mosquito Control Association

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Editorial Review :
VMCA Executive Board

The Skeeter is the official production 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 Tim DuBois at tdubois@hampton.gov

Virginia

Mosquito Control Association

Founded 1947

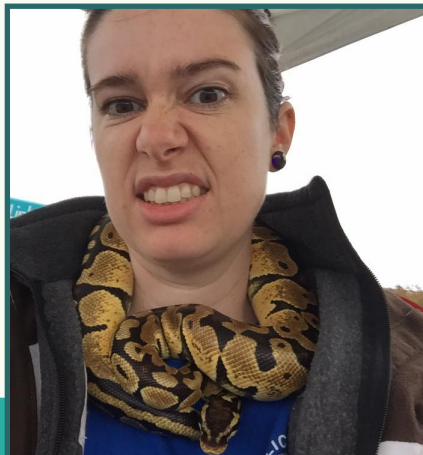
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- *Sustaining Member/Industry Rep:** Ted Bean (814) 671-6516 tbean@myadapco.com

***Non-voting member of the Board**

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

VMCA is on Instagram!



VMCA now has an Instagram account (@virginiamosquitocontrol)! The account is currently being piloted by Rachel Kempf of Prince William County's Mosquito & Forest Pest Management branch, and will feature photos meant to foster community engagement, spread VMCA's message across a broad range of audiences, and widen our social media reach.

Rachel is currently compiling a photo inventory for future posts, and would love for VMCA members to send her submissions for the page. Any pictures or short videos depicting mosquitoes, mosquito larvae, mosquito lookalikes, mosquito predators, habitats, sentinel chickens, field and lab staff at work, outreach and community events, general entomology, and cool finds out in the field are welcome and greatly appreciated.

Please email submissions to rkempf@pwcgov.org or tdubois@hampton.gov, follow and engage with us if you have an IG account, and help spread the word!

Top: Current IG photos
Bottom: Rachel Kempf of MFPM (with Wilson the Ball Python)