



THE SKEETER



President's Message

Hello VMCA Members,

The leaves are just about to turn, the nights are cooling down, and the 2016 mosquito season is coming to a close. With record breaking high temperatures in northern Virginia in early September, it's a little hard to imagine that scenario above since it still felt like July just a few days ago when I wrote this message.

For the last several months, the VMCA Executive Board and various committees have been working on the plans for the upcoming annual meeting and we are now starting down the last stretch as we will soon start to work on the agenda. This is a very exciting meeting for us as it is the 70th Annual Meeting of the Virginia Mosquito Control Association. Watch for registration details soon and be sure to reserve your room early!

Tim DuBois and the Historical Committee have been working on pulling together some interesting information to share with us at the annual meeting. If you have any information or materials related to the history of mosquitoes, mosquito-borne disease, the VMCA, or mosquito control in Virginia, please share it with Tim.

The 2017 meeting will be held at the Marriott Newport News at City Center and will be from January 31-February 2, 2017. Our meeting will be a little different this year due to it being a joint meeting with the [Mid-Atlantic Mosquito Control Association](#). One thing that will be the same is that we would like to honor any of our members who qualify for any of the awards given out by the VMCA: The R.E. Dorer award, the honorary membership, or the outstanding service award. Criteria for the awards can be found on page 19 and nominations and supporting documentation can be sent to Awards Committee Chair Phil Meekins.

The VMCA is excited to host its first student competition at the upcoming annual meeting. The deadline for submission is November 15, so please encourage any



college students you know who may have a mosquito-related research project to submit their poster. More information about this new and exciting competition can be found on page 8.

We encourage anyone who has an idea for a presentation to submit their idea to Tim Dubois and Jeff Hottenstein who are putting together the program for the combined VMCA/MAMCA annual meeting. The call for presentations and submission form can be on pages 12 and 13.

Although our mosquito season is slowing down, the Zika virus continues to be in the news. Stay up-to-date with the latest Zika news and information by checking the Centers for Disease Control and Prevention's [website](#).

As always, we encourage you to submit your stories to the Skeeter. Please keep an eye out for the next call for articles. I hope to see you all in January in Newport News!

Take care,

Josh

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Upcoming Meetings

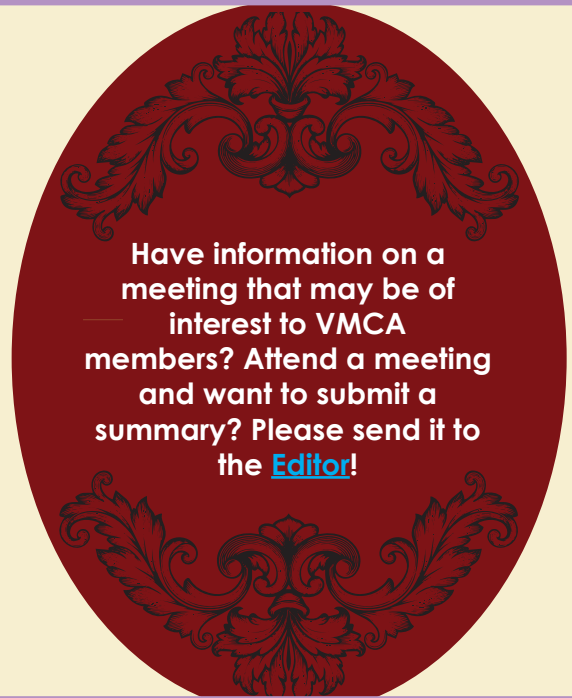
NCMVCA 51st Annual [Conference](#)
November 14-16, 2016
Carolina Beach, NC

NMCA 62nd Annual [Meeting](#)
December 5-7, 2016
North Falmouth, MA

[VMCA/MAMCA](#) Joint Annual [Meeting](#)
January 31-February 2, 2017
Newport News, VA

AMCA 83rd Annual [Meeting](#)
February 13-17, 2017
San Diego, California

MAMCA 43rd Annual Conference
February 12-14, 2018
Carolina Beach, NC



Save the Date!

Registration info
coming soon!

Joint Meeting
Virginia Mosquito Control Association
70th Annual Meeting
&
Mid-Atlantic Mosquito Control Association
42nd Annual Conference



What's that?



answer on page 14

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

>>>DONATION REQUEST<<<

VMCA 2017 SILENT AUCTION

All proceeds benefit the VMCA Student Poster Competition

**2017 VMCA/MAMCA Joint Annual Meeting
Newport News Marriott at City Center
February 2, 2017**

We are looking for a variety of new or gently used items of good quality including, but not limited to:

- Vector themed items**
- Gift certificates**
- Artwork**
- Antiques/Historical items**
- Treasures**
- Tools**
- Themed prize baskets**
- Apparel**

Group donations by committee, agency, or vendor are encouraged.

Drop off items at the registration desk by Noon, January 31, 2017

For more information please contact:

Jay Kiser– jkiser@suffolkva.us

Karen Akaratovic– kakaratovic@suffolkva.us

Items may also be sent/dropped off before the meeting (by January 27) to:

Suffolk Mosquito Control

800 Carolina Road, Suffolk, VA 23434



TMVCC Update

The Tidewater Mosquito and Vector Control Council is having a great year. Our education program has provided many exciting talks including “The History of Malaria” by Steve Robertson, “Symbiotic Relationships of Insects” by Dr. Shawn T. Dash, “Lymphatic filariasis” by Dr. Abiodun Adibi, and Zika virus testing protocols presented by members of the Virginia Department of Health and the Division of Consolidated Laboratory Services. All of our sponsors continue to present valuable information on their products and services and because of that we are thankful for everything they do for us.

The next few months we will have an equine vet, safety updates, and protocols for neighborhood canvassing. If there is a topic that hasn't been covered please pass on topics to TMVCC President Elizabeth Hodson, elizabeth.hodson@yorkcounty.gov.

TMVCC is sad to announce the loss of Vice President Jamie Durden from Suffolk Mosquito Control, but she is moving on to another department in the City of Suffolk. This loss leaves an opening in the administration of TMVCC. Please consider running for the 2017 TMVCC board. Mitch Burcham will move up to president so the offices of vice president and secretary will need to be filled. Please contact President Elizabeth Hodson (elizabeth.hodson@yorkcounty.gov) or Secretary Mitch Burcham (mitchell.burcham@us.af.mil) if you're interested in either position.

Submitted by TMVCC President Elizabeth Hodson

Nominating Committee Seeks Candidates

VMCA's Nominating Committee is seeking nominations for the 2017 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, Jay Kiser (jkiser@suffolkva.us), with the name and contact information of your nomination. We are seeking nominations for the First Vice President opening on the 2017 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. **Deadline for submissions will be November 1st, 2016**, but the earlier we hear from you the better.

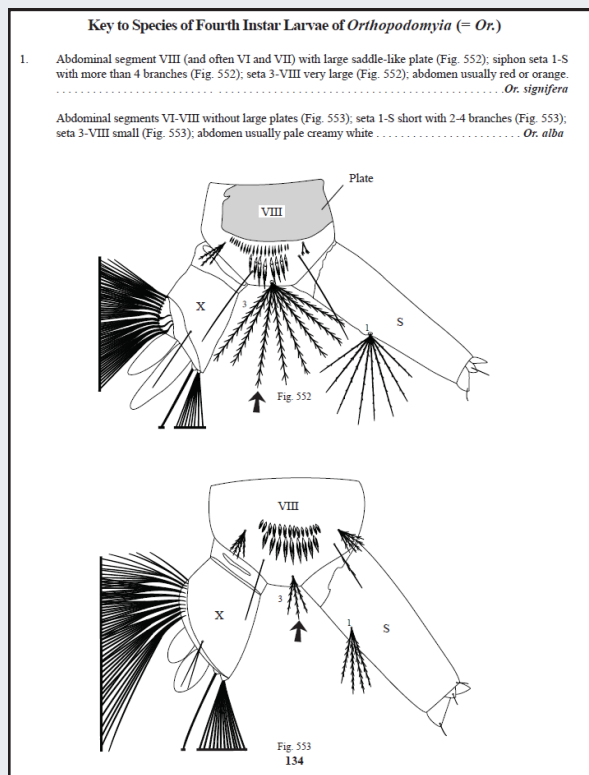
Submitted by Nominating Committee Chair Jay Kiser



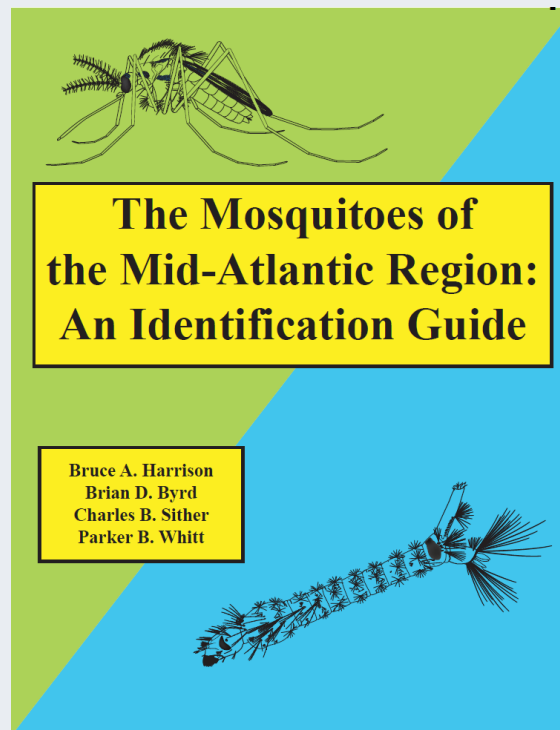
VMCA's Larval Mosquito Identification Course

Taught by Dr. Bruce Harrison April 18-19, 2017

- VMCA's first larval ID course offered since 2009
- Learn from the new Mid-Atlantic Regional ID Book
- Hands on identification of over 20 local species
- Learn the value of larval identification for mosquito control
- Learn heat killing and preserving skills
- Learn dipping techniques, how to identify larval habitat, and key larval behaviors
-and more



Please contact Jay Kiser at jkiser@suffolkva.us if you have any questions. Registration for this class will start in 2017 and will be available at VMCA/MAMCA annual meeting. Look in the winter Skeeter and emails for updated information. If you are interested in helping instruct, you can also contact Jay.



When– April 18-19 (Tuesday-Wednesday)

Where– Suffolk Virginia's new training facility

Who– Open to everyone with a cap of 20 students. VMCA membership will have an opportunity to register first, with an open enrollment after that. 1st come 1st served

Cost– There will be a registration cost of no more than **\$50 per student.**

What you need to bring–

- Scope 55X or higher (45X + 15X ocular lens will do)
- Light source that shines from above (fiber optics preferred)
- “Mosquitoes of the Mid-Atlantic Region: An Identification Guide”. Currently for sale \$30 some will be available for purchase at the class.

What will be provided–

- Handouts, pipettes, well-plates, teasing needles, ethanol, vials, paper pad and pen

County in the Spotlight: Prince William



It's been a strange and busy mosquito season in Prince William County. Zika has, of course, been on the forefront of our agenda since the beginning of 2016. We produced and distributed several Zika publications, took to social media to help spread the word, attended two VDH tabletop exercises, presented to the Board of County Supervisors, and spread our Asian Tiger mosquito message at numerous public outreach events throughout the year, including farmer's markets, health and wellness fairs, library events, and county fairs, among others. We have been working closely with the Prince William County Health District to investigate cases of imported Zika in order to prevent a localized outbreak, and this partnership has led to a fruitful exchange of ideas and resources that has strengthened our overall approach to arboviral management.

With much of our energy and attention focused on preparing for the potential arrival of the Zika pandemic in Northern Virginia, we were fortunate to experience a relatively mild West Nile season. We trapped and identified approximately 107,000 adult mosquitoes, submitted 61,000 of those for testing, and in total, 19 of the 1,751 pools we tested (around 1%) were positive for West Nile Virus. Oddly, despite low overall numbers of positive pools, several of these were from species that rarely turn up positive: *Aedes albopictus*, *Culex salinarius*, and *Culex erraticus*. In response to WNV, we adulticided a total of 2,380 acres with our truck ULV sprayers; down considerably from the 10,400 acres we adulticided in 2015. Our technicians conducted a total of 6,436 larval habitat inspections, with 1,777 of these inspections resulting in larvicide application, for a total of 26 acres.

Our office continues to conduct operational research projects to increase our efficacy in the field and lab. Here are a few highlights and updates of our efforts for this season:

Twister XL3 Backpack: We have been on the hunt for a portable ULV adulticiding solution that does not face the same constraints as our truck-mounted machines. We wanted something that is not limited by neighborhood street layouts and can more directly and comprehensively target areas around individual homes. Enter the Twister XL3 backpack. Nate Nagle and our field techs have been in the process of evaluating how effectively the Twister kills adult mosquitoes with pre and post spray trapping, as well as measuring the drift that we can get from it. So far, they have achieved between 60-80% control, with greater than 100 feet of drift.

Larvicide Field Trials: Prince William County is inundated with floodwater and woodland pool mosquito habitats, and reinspecting all of these immediately after rainfall events can be overwhelming for our field staff. We have been evaluating the efficacy of larvicides that will remain active throughout dry-down and flooding events in order to control the mosquitoes that

(Continued on next page)

Prince William in the Spotlight cont'd

utilize these types of habitats. This year, we looked at Natular G30 and Sustain MBG; applying them to around thirty test sites and inspecting them for larvae weekly.

Pump Station Trapping: This project is in its third year; we have been setting gravid traps at pump stations throughout the county in order to evaluate whether they catch more *Culex* mosquitoes than other locations, and whether or not there is an increase in the incidence of West Nile Virus among these *Culex*. This year, we added a number of CDC traps to our locations to see if *Culex* at these trap sites are drawn to the pump stations before or after they start to seek a bloodmeal.

Phenology Project: This project, proposed and conducted by Valerie Huelsman, attempts to relate the first annual hatch of mosquito larvae with phenological (seasonal) plant changes. She loosely followed the National Phenology Network protocols in developing the project. Two sites in Manassas, VA are being monitored for plant changes (such as leaf out, bud break, bloom, etc.) and 10 varying larval habitats are inspected once a week from February to June. Mosquito species were chosen based on PWC trap counts and field observations; the six species being monitored are: *Aedes canadensis*, *Culex restuans*, *Culex pipiens*, *Aedes vexans*, *Aedes albopictus*, and *Psorophora ferox*. Around 40-50 plant species that are relatively easy to identify and with a wide distribution throughout the county were chosen as well. The project will encompass several years and should ultimately improve larviciding efficiency, as observing these phenological plant changes will allow us to target specific mosquito habitats as each species emerges.

Junkyard Larviciding: For several years, we have been conducting monthly wide scale larviciding at one of our local junkyards. This junkyard is something of an experimental 'playground' for us, where we try new techniques, equipment, and products in an area which produces vast numbers of *Aedes albopictus* annually and has proven difficult to control due to its large array of cryptic container habitats. This year, we utilized backpack larvacide sprayers loaded primarily with Metalarv, resulting in a seasonal trap count of 1,161 *albopictus*. In general it seems that backpack applications are the most effective solution in this environment. In 2013 and 2014, we deployed truck sprayers to distribute our larvicides, and trapped 6,800 and 5,803 *albopictus*, respectively. We switched to backpack sprayers in 2015 and immediately saw the numbers drop to 1,082. We will continue to experiment and see how low we can go.

Thanks for reading! If you have any questions about our program or our ongoing research, please do not hesitate to contact me (Rachel Kempf), at rkempf@pwcgov.org.




Submitted by Rachel Kempf

VMCA Student Poster Competition

With all the hard work my committee members and judges have put forth this season, I am happy to announce that the VMCA Student Competition Committee has officially put together a 2016 student poster competition, taking place this fall semester. Posters will be focused on a variety of fields in the vector-borne sciences. First place poster will receive a \$500 award and the top five posters will receive free registration to VMCA's 70th annual conference held in Newport News, Virginia, January 31st through February 2nd, 2017. Winners will be announced and posters will be displayed at the annual meeting. If you are a student or know a student conducting research in these fields of study, please encourage them to submit a poster or at least look into the details of our competition.


Poster submissions will be due **November 15th 2016** and winners will be notified by January 1st 2017. Students eligible for the competition must be enrolled in a degree program from a Virginia accredited college or university during the fall semester of 2016. Both undergraduates and graduates are welcome. Posters should reflect original research of the student author. For more details please visit the [website](#).



2016-2017 VMCA Student Poster Competition

Virginia Mosquito Control Association is excited to be holding our first student poster competition during the 70th annual VMCA conference held in Newport News Virginia, January 31st through February 2nd, 2017.


- **First place** poster receives **\$500**
- Top 5 posters receive **Free Registration** to the 2017 VMCA annual conference
- For more information please visit <http://tinyurl.com/PosterCompetition>



Who is eligible?
Students enrolled in accredited Virginia Colleges and Universities.

Acceptable poster topics:
Posters should reflect original research in areas of vector borne sciences: Vector borne diseases, arthropod vectors, surveillance methods, pesticides, repellants or control methods, and diagnostic or laboratory methods.

Deadline for submissions:
All poster submissions should be submitted by email no later than **11/15/2016**.



This year's student competition award has been funded by VMCA. In the future, the Student Competition Committee would like to raise money for awards through different events. This coming annual meeting, we would like to have a silent auction with all proceeds going toward future student competitions. Please look at the "call for donations" flyer found on page 3 of this Skeeter. Your help is greatly appreciated.

Submitted by Student Competition Committee Chair Jay Kiser

James "Key" Rindfleisch Tribute

Jim Rindfleisch was Public Enemy Number One to York County's mosquito population.

Tom Gallagher worked side by side with Jim Rindfleisch for 25 years in York County's Mosquito Control Division. During that time, Gallagher did everything his military officers' training taught him, and a few things it didn't, to protect Jim Rindfleisch from himself.

Gallagher knew talent when he saw it when Rindfleisch first arrived in York County in 1985 after a short stint in Chesapeake. Trouble was, he also saw a guy who was so opinionated that he seemed to almost relish having disagreements with those he worked with. Rindfleisch's insatiable curiosity could even get the best of *him*.

"The people in Chesapeake told me that Jim had taken apart one of their mosquito sprayers, because he wanted to see how it worked," Gallagher remembers. "The problem was, he couldn't put it back together. That was when I knew I was inheriting a challenge." Over the next quarter century, Gallagher cajoled, belittled, praised, and reined in a man that would play a major role in winning York County five NACO Awards for innovative mosquito control methods (pictured at the bottom right).

Rindfleisch lost a brief bout with cancer last June at the age of 66, shortly after retiring. Gallagher found himself searching for a word or phrase that could sum up the enigma that was Jim Rindfleisch. After a while, Gallagher just sighed. "Jim was just a different kind of guy," he said finally, fully realizing his massive understatement.

How do you adequately describe a guy whose life adventures would have been equally at home in the pages of National Geographic as they were at York County Mosquito Control?



Rindfleisch Tribute cont'd

This is the man who joined the Navy and was sent to Morocco during the Vietnam War, where he worked with radio and electronics while also finding time to help out at a leper colony he got to by riding a favorite horse. After his discharge, he studied biology at Christopher Newport College while driving a Porsche, which naturally attracted the attention of his wife-to-be, Debbie. His specialty was entomology, a skill he took to exotic locations such as Barbados, Dominica, St. Lucia, Montserrat and other Caribbean islands to set up honey bee programs.

In between battles with exasperated administrators who didn't understand his eccentricities as well as Gallagher did, Rindfleisch created many programs for natural mosquito control that were years ahead of their time, such as building a fishery and raising *Gambusia* mosquito fish to be used to control mosquito larvae in ditches and overflows. For years, Jim was a renowned "mosquito guru" in both ground and aerial mosquito control applications. He was involved for many years with VMCA, serving as president, editor of the *Skeeter*, and many other outreach activities. Jim received VMCA's prestigious R.E. Dorer Award for his many significant contributions to the VMCA and mosquito control.

His creativity flowed through his hands as well in the form of quirky artworks that still are on display today. At the Virginia Living Museum lives his Recyclo Mosquito made from trash. He also built the replica of the ship *Betsy* that sits in front of the Watermen's Museum in Yorktown, as well as the giant mosquito sculpture that graces the entrance to York County Mosquito Control offices which biologist Jim cheekily dubbed the *Aedes Carpartus* (pictured above).

Yes, Tom Gallagher readily admits, Jim Rindfleisch could be a "challenge." But for all those whose sensibilities he may have bruised along the way, there are hundreds of millions of mosquitoes who fared far worse over the years because of Jim's single-mindedness in finding ways to efficiently eradicate them. There are also thousands of York County residents who continue to enjoy a high quality, mosquito free life because of him.

The mosquitoes won't miss Jim Rindfleisch. But we will.



Jim's "*Aedes Capartus*" sculpture

Merchandise Sales Continue!

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

Want one of those snazzy portfolios the guest speakers received?

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

	Black t-shirt with <i>Aedes albopictus</i> design (\$10-15)		Black zip-up hooded jacket or gray hooded sweatshirt with white <i>Ae. albopictus</i> design (\$25-35)		Blue can cooler with mosquito silhouette (\$2)
	Blue or Gray t-shirt with mosquito anatomy design (\$8)		Black, leather-looking portfolio with VMCA logo-paper pad and pen, included (\$10)		Black/white decal/stickers with <i>Ae. albopictus</i> design (\$1-2)
	Tan or Gray long sleeve shirt with mosquito swarm design (\$10)		Pint glass with <i>Ae. albopictus</i> design (1 for \$6, 2 for \$10)		Black/white pen with VMCA & website print (2 for \$1)
	Tan long sleeve shirt with " <i>Ae. albopictus</i> Wanted" design (\$15)		Green reusable tote bag with VMCA logo (\$3, Free with \$50 purchase)		

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, Karen Akaratovic (kakaratovic@suffolkva.us) 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 Suffolk Mosquito Control (800 Carolina Road). Shipping will be paid by the purchaser and will be done through the lowest cost method (unless otherwise requested). This information will also be available [online](#) soon.

NEW MERCHANDISE Coming 2017

The Merchandise Committee is contemplating a new item for the upcoming joint VMCA/MAMCA meeting and would like your input!

- Do you have a graphic or drawing you'd like to possibly be featured on merchandise? (Specifically, we'd like one that can jointly display the 2 organizations' names.)
- Do you have a suggestion for a new merchandise item?

Please send in your creative thoughts, ideas, or designs ASAP to Merchandise Committee Chair Karen Akaratovic (kakaratovic@suffolkva.us).

Annual Call for Presentations

2017 MAMCA/VMCA Annual Meeting Call for Presentations

Dear VMCA Members,

This coming year, the VMCA will be joining with the Mid-Atlantic Mosquito Control Association to put on an annual meeting that will take place January 31-February 2, 2017. We are looking for members to share their mosquito/vector control or related research experiences with an opportunity to share with neighboring states. This year's conference will be held at the Marriott at City Center in Newport News, Virginia. This is your opportunity to share your knowledge with other mosquito folks from across multiple states and we encourage a wide range of topics including, but not limited to, the following:

- **Adult Control**
- **Larval Control**
- **Larval habitat management**
- **Operational**
- **Field work**
- **Management**
- **GIS/GPS**
- **Equipment**
- **Disease/Vector Studies**
- **Outreach/Education**
- **Public Relations**
- **Legislative**
- **Biology**
- **Behavior**
- **Other pests/vectors**

If you have a topic you would like to present at the meeting, please complete the attached VMCA Presentation Submission Form and return to Tim DuBois (tdubois@hampton.gov) or Jeff Hottenstein (jhottenstein@clarke.com).

DEADLINE: December 1, 2016. Call Tim DuBois with any questions: 757-737-1205.

If, at this time, you are not sure of a presentation title but know you would like to present something, please let Tim or Jeff know by filling out the VMCA Presentation Submission Form so they can be sure to include you. We are looking to showcase what Virginia has to offer to a wide audience spanning the East Coast with another outstanding meeting next January in Newport News. We hope to see you there!

Regards,
VMCA Executive Board

Presentation Submission Form

2017 MAMCA/VMCA Annual Meeting Presentation Submission Form

Please return completed form to
Tim DuBois (tdubois@hampton.gov) and
Jeff Hottenstein (jhottenstein@clarke.com)

DEADLINE: December 1, 2016

Presenter Information

Name:

Organization/Affiliation:

Address:

Phone:

Email:

Presentation Information

Title:

Amount of time requested for presentation (please be as accurate as possible and include a few extra minutes for questions):

15 minutes

20 minutes

25 minutes

30 minutes

Other: _____

Powerpoint presentations only.

Other Audio/Visual Equipment Needed:

*If you cannot make it to the meeting, but have very important information to share (or just a really good presentation), the ability to do the presentation from another location may be considered.

What's that? Answer

"That" is my most recent video project, "Zika 101 (Vector Control)", which I began writing in February 2016. Although it features some Fairfax County staff, it was produced independently of my work in Fairfax, on personal time. The lyrics and video content were intentionally "generalist" so that anyone who wanted to could share and use the video as they see fit. By April, I had the lyrics mostly finalized and was in search of an instrumental, because it just hadn't been working as well as I'd like with guitar. I'm inspired by underground hip-hop, where the most impressive parts of the songs are the intricacies of the lyrics, and really wanted this project to have a hip-hop feel. In June, an old high school friend provided me with an instrumental he'd created some years before, and I began in earnest trying to produce the song using GarageBand on my 2008 MacBook. The beat matched the length of what I'd written exactly, and it just felt like it was meant to be.

Once I had the song recorded, I really wanted to take it to the next level. I set about trying to film things that illustrated the lyrics of the song, and also "performing" the song on camera. The filming continued through July and part of August, and I knew I had to get things moving to have the song make an impact during the "Summer of Zika." It was shot entirely on a GoPro Hero 4 and iPhone 6. After some long sessions in August using iMovie, I had completed the video editing, and had produced my first ever full length music video. The result is "Zika 101 (Vector Control)," and now I'm thrilled to share it with the world.

In the three weeks since its release on YouTube, the video has received more than 3,600 views. By sharing it on social media and with numerous mosquito control entities, it has spread far and wide, and I'm told that recently, it even reached the shores of Brazil. I've been contacted by several different jurisdictions that have requested to share it via social media, presentations, or on their websites, which I'm thrilled about. The whole idea with the project was to get the Zika prevention message to as wide an audience as possible, and it certainly seems to be headed in the right direction. I thank the VMCA membership for their encouragement and for helping me continue to get it to the eyes of the public!

If you haven't seen the video, you can [view it here](#) (or just search "Zika 101" on YouTube and click the first search result).

#VectorControl for life!

Andy Lima a.k.a. MC Bugg-Z

▶ | 🔊 0:17 / 3:14

Zika Virus Update

As of Thursday, September 29, 2016, VDH has reported 85 cases of Zika virus disease in Virginia residents to the CDC (9 in Northwest Region, 42 in Northern Region, 10 in Eastern Region, 13 in Central Region and 11 in Southwest Region). All Virginia cases are associated with travel to a Zika-affected area. CDC has issued a travel alert (Level 2-Practice Enhanced Precautions) for people traveling to regions and certain countries where Zika virus transmission is ongoing.

For more information and the most updated reports please visit:

[The Virginia Department of Health's Zika Portal](#)

[The CDC's Zika Web Portal](#)

Interesting News:

[Progress with ZIKV vaccine development](#)

[This document](#) from the CDC's Epidemiology & Laboratory Capacity for Infectious Diseases (ELC) Cooperative Agreement has some great information about surveillance and control of the two known vectors for Zika virus in the US.

[This NPR interview](#) discusses a new auto-dissemination trap recently approved by the EPA, for use in Miami, FL to assist in the fight on Zika.

Flashback



This January, the Virginia Mosquito Control Association will be joining the Mid-Atlantic Mosquito Control Association for our annual meeting to discuss topics in the field of interest. In honor of our two associations coming together again, I thought I would reflect on the history of the Mid-Atlantic Mosquito Control Association or MAMCA.

In 1975, three states held a joint meeting on Hilton Head Island, South Carolina to discuss the possibility of creating a regional association. Those three states were South Carolina, North Carolina, and Virginia. Also present at the meeting were key industry personnel from Georgia. The Georgia Mosquito Control Association was actually created in the hallway of the meeting facility. After the now four associations discussed the need for a regional organization, MAMCA was formed. Virginia's own Roland E. Dorer was elected as the first president with L.A. Williams from South Carolina elected as vice president.

The 1976 Mid-Atlantic Mosquito Control Association meeting was held in Savannah, Georgia, where there was an attendance of approximately 225 industry personnel (pictured above). Discussed during this meeting was the rotation of states in which the meeting was to be held, and the decision to alternate between northern and southern states, a process still in place today.

Maryland, Delaware, and West Virginia were invited to join the regional organization in 1978, increasing the participating states to seven. The following year, the American Mosquito Control Association would join MAMCA for the first time, in our nation's capital.

Tragedy struck almost a decade later in 1987 with the passing of R.E. Dorer during a joint meeting of MAMCA with the VMCA in Williamsburg, VA. Awarded posthumously, The R.E. Dorer award was created in honor of the "Father of MAMCA" and one of the founding members of the association. This award is given to members based on their exceptional contributions to mosquito control in the Mid-Atlantic Region. Likewise, Virginia also created a R.E. Dorer Award, the highest award given in the state for outstanding contributions to mosquito control in the state.

In 2003, Pennsylvania was elected to join the Mid-Atlantic organization as the eighth member state. Tennessee would also be voted in as a member state in 2015, shortly after the creation of the state's organization, bringing MAMCA's member state count up to nine.

In 2017, Virginia will once again host the Mid-Atlantic annual meeting in Newport News, VA. This will bring an opportunity to all members and speakers access to key industry personnel spanning nine states from as far north as Pennsylvania, down to Georgia in the far south, and as far west as Tennessee. Please join us.

Submitted by VMCA Historian Tim DuBois

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.)

2016 Sustaining Members

The VMCA gratefully acknowledges the support of the following sustaining members for 2016. 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!



Ted Bean
(814) 671-6516
tbean@myadapco.com

Zach Cohen
(800) 227-8664
zcohen@summitchemical.com



Matt Crabbe
(804) 334-7370
crabav@gmail.com

Ryan Pierson
(208) 324-8006
elecdata@elecdata.com



Jeff Hottenstein
(703) 498-9362
jhottenstein@clarke.com



Jeff O'Neill
(302) 312-3950
joneill@central.com



Priscila Cavalcante
540-383-2093
pcavalcante@dynamicaviation.com



Joe Andrews
(888) 603-1008
joea@allprovector.com



Gillian Hess
(800) 570-4277
ghess@morrellonline.com



Gordon Morrison
(919) 452-7145
Gordon.morrison@bayer.com



John Singletary
(703) 789-2076
john.singletary@univarusa.com



Jim Andrews
(910) 547-8070
j.andrews@valent.com



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: Karen Akaratovic at kakaratovic@suffolkva.us

THE SKEETER

Newsletter of the Virginia
Mosquito Control
Association

Contact: Karen Akaratovic

Suffolk Mosquito Control
866 Carolina Road
Suffolk, VA 23434
(757) 514-7608

kakaratovic@suffolkva.us



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The Skeeter**Production Team:****Committee Chair/Editor :**

Karen Akaratovic
Suffolk Mosquito Control
kakaratovic@suffolkva.us

Committee Members :

Jay Kiser
Suffolk Mosquito Control
jkiser@suffolkva.us

Rachel Kempf
Prince William Co. Mosquito
& Forest Pest Management
rkempf@pwcgov.org

Tim DuBois
Hampton Environmental
Services
tdubois@hampton.gov

Wes Robertson
Henrico County Public
Works
rob106@co.henrico.va.us

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 Karen Akaratovic at kakaratovic@suffolkva.us

Virginia

Mosquito Control Association

Founded 1947

2016 Virginia Mosquito Control Association Executive Board

President: Joshua Smith	(703) 246-8477	Joshua.Smith@fairfaxcounty.gov
President Elect: Jeff Hottenstein	(703) 498-9362	jhottenstein@clarke.com
Vice President: George Wojcik	(757) 393-8666	wojcikg@portsmouthva.gov
1st Vice President: LaToya White	(757) 269-2884	lwhite@nngov.com
Secretary/Treasurer: Penelope Smelser	(757) 683-8662	Penelope.Smelser@norfolk.gov
Past President: Jay Kiser	(757) 514-7608	jkiser@suffolkva.us
*TMVCC Representative: Elizabeth Hodson	(757) 890-3792	Elizabeth.Hodson@yorkcounty.gov
*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**

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

Call for VMCA Award Nominations

Each year at the annual meeting, VMCA recognizes individuals or a group of individuals who have contributed to making the VMCA the best it can be. The board is currently accepting nominations of members and peers who deserve recognition. Please send your nominations and supporting documentation via email to Awards Committee Chair Phil Meekins (pmeekins@vbgov.com), **by January 1, 2017**.

VMCA awards include:

Outstanding Service Award: This award is given for service to a VMCA member considered out-standing by their peers. Only VMCA members are eligible.

Honorary Member: Any individual who has rendered exceptionally distinguished service in the field of mosquito control and related work may be accorded special recognition by election to honorary membership in the VMCA. Nomination for this honor must be justified in writing and submitted to the Executive committee for review. The Executive committee shall be required to vote unanimously to confirm the honorary membership nominee. Honorary members shall receive the VMCA newsletter, pay no dues and enjoy the same privileges as regular members.

R.E. Dorer Award: The R.E. Dorer Award is the highest achievement award of the Virginia Mosquito Control Association. Mr. Dorer graduated from Rutgers University in 1932 and moved to Virginia in 1933. From his position at the Virginia State Department of Health he spearheaded mosquito control efforts for over 50 years. Mr. Dorer's success in mosquito control came through the State Health Department and as a Commissioner to the Virginia Beach Mosquito Commission for many years.