



The Skeeter



Newsletter of the Virginia Mosquito Control Association

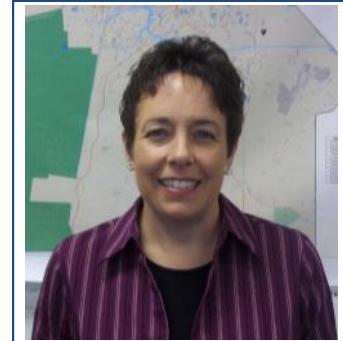
Volume 73, No. 1

January, 2013

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President's Message

Greetings Everyone! It's hard to believe another year has passed, but here we are in 2013! I hope everyone entered the year healthy and happy! My tenure as President is coming to an end, and I have truly enjoyed the challenge of leading this fine group of dedicated mosquito individuals. Thanks again for the opportunity to serve on the board, and I will continue to be active by serving on committees. I have one more hurdle before I say farewell and that is our upcoming 2013 Annual Meeting.



Lisa Wagenbrenner
VMCA President 2012

The VMCA's 66th Annual Meeting will be held February 6-8, 2013, at the Crowne Plaza Marina, Hampton. This is a great opportunity for all of us to come together to meet new colleagues just coming into the field and catch up with old friends. Sharing our mosquito related experiences from the past season is an invaluable tool that I personally look forward to year after year. It never ceases to amaze me how much information is exchanged every year that helps to promote the VMCA's core values and educate all of us.

Our voting process is now automated, thanks to Charles Abadam for researching this project and Penny Smelser for emailing the on-line ballots. No more stamp licking! The latest update indicates the new voting process to be a success. Members without e-mail will be able to vote in person at the Annual Meeting.

The pre-ordered t-shirts/sweatshirts will be ready for pick-up at the meeting, and additional t-shirts and sweatshirts will be on hand for sale. Credit cards will be accepted this year. Welcome to the 21st century, VMCA!

The VMCA reached another milestone in 2012 by implementing on-line credit card acceptance through our web site for renewing membership. Thanks go out to Penny Smelser and Lane Carr for their efforts on that project.

As I sign out of the last President's message, I would like to say it has truly been a pleasure to serve with everyone involved in this great organization. I hope to see everyone at the 2013 Annual Meeting.

Happy New Year!

Lisa Wagenbrenner, VMCA President

Announcements

Upcoming meetings

2013 VMCA Recertification Course

January 16, 2013

Hampton, VA

See Page 7 for more information and an application form.

2013 Florida Mosquito Control Association Aerial Short [Course](#)

January 15-17, 2013

Buckingham Army Airfield

Lehigh Acres, FL

66th Annual [Meeting](#) of the Virginia Mosquito Control Association ([draft agenda](#))

February 6-8, 2013

Crowne Plaza Marina

Hampton, VA

Room rate of \$89/night (+13% tax) is valid until January 15, 2013.

See Pages 12-13 for Registration information.



The Crowne Plaza Marina, Hampton

79th Annual [Meeting](#) of the American Mosquito Control Association

February 24-28, 2013

Atlantic City, NJ

38th Annual [Conference](#) of the Mid-Atlantic Mosquito Control Association

March 13-15, 2013

Columbia, SC

Wolbachia

Heard of them? They are intracellular bacteria found in many species of insects.

Why are they important? These bacteria have been shown to interfere with mosquito infections by*:

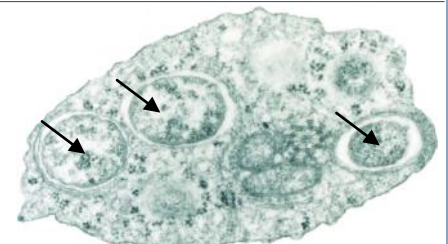
[Dengue viruses](#)

[Plasmodium](#) (malaria)

[Chikungunya & yellow fever viruses](#)

[Brugia](#) (filarial worms)

[West Nile virus](#)



Wolbachia bacteria (arrows) inside an insect cell.

Photo: S. O'Neill, *PLoS Biology* 2(3): e76.

*sample publications at links

York County Update

York County has been in the mosquito fish business unofficially since the early 80s. The existing program was officially established by obtaining the required Virginia Department of Game & Inland Fisheries permit in 2007 which authorized collection methods and water bodies for stocking. The purpose for the effort was to decrease reliance on chemical pesticides for mosquito control. The fish are provided free for County citizens by stocking their backyard ornamental ponds and also used for over 300 residential subdivision BMP stormwater lakes and ponds that are potential mosquito breeders. The plaque at right will be posted at each BMP so the citizens are well aware they have been stocked with mosquito fish. The highly acclaimed program of "Establishing a Fishery for the Production of Mosquito Fish" was recognized in 2003 by a National Association of Counties achievement award.



Pond was stocked with *Gambusia holbrooki*,
a native mosquito eating fish.

For more info on *Gambusia holbrooki* go to:

<http://nas.er.usgs.gov/queries/FactSheet.aspx?speciesID=849>

Environmental and Development Services

Mosquito Control

www.yorkcounty.gov/eds

The AMCA Has Been Here Before

As some members may not be aware the VMCA has sponsored two previous AMCA meetings. The first joint meeting of the Virginia Mosquito Association and the American Mosquito Control Association was held on February 22 – 24, 1950 at the Cavalier Hotel in Virginia Beach (long gone) and consisted of 49 presentations in five sessions. There were 208 delegates, of which 122 were out of state coming from as far away as Hawaii and Trinidad.

The 25th annual meeting of the AMCA was held in Williamsburg on February 23 – 26, 1969. There were 469 delegates representing 36 states and five foreign countries. There were 810 people attending, half of which were commercial representatives with 27 indoor exhibitors and 27 outside ones. These previous AMCA meetings in our locale have focused on problems ranging from insect DDT resistance to the interaction of mosquitoes in disease transmission.

The last one was hosted in 1996. It was well attended and touted as one of the very best AMCA meetings by many attendees. Being international in scope, there were participants coming from Australia, Canada,



ANCHORS AWEIGH !!

NAVIGATING TO NEW WORLDS
OF
MOSQUITO AND VECTOR CONTROL

THE AMERICAN MOSQUITO CONTROL ASSOCIATION
1996 INTERNATIONAL MEETING, NORFOLK, VIRGINIA

Public Health Programs and Mosquito Control Programs A critical need for integration

In my current position, and in fact for close to a quarter of a century, I have had the great pleasure of traveling around the country and visiting many mosquito control programs. Throughout most of the U.S. there is currently a disconnect between two very important disciplines that impact our communities' health. Why?

As of November 27, 2012, 48 states reported West Nile virus infections in people, birds, horses or mosquitoes. According to the CDC, a total of 5,245 human West Nile cases, including 236 deaths, have been reported in the U.S.

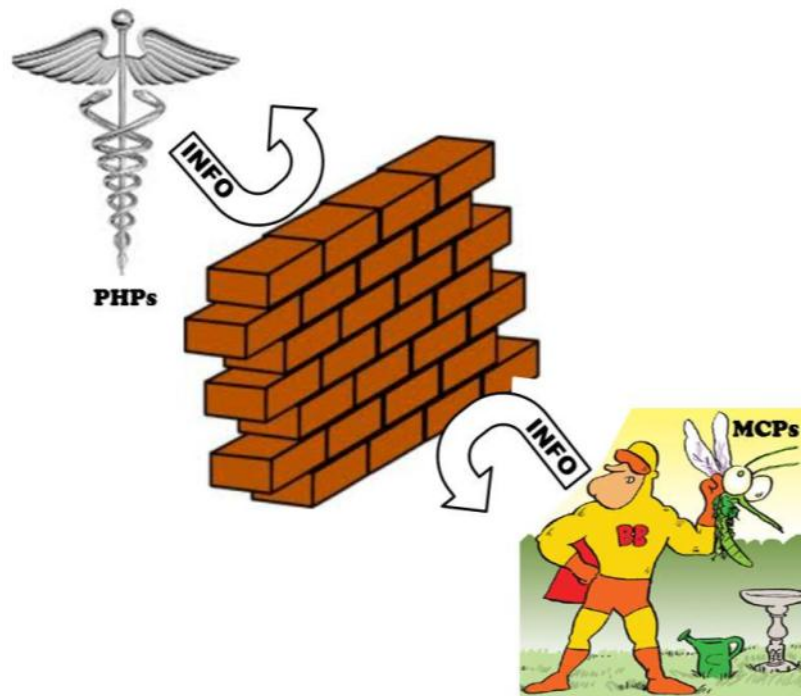
For those of us who live in the U.S., there are two professional groups involved in the protection of public health where mosquitoes are concerned - Public Health Programs (PHPs) and Mosquito Control Programs (MCPs). Both contribute to our quality of life and, while rightfully autonomous, should be working together and sharing information. When they do not, the public health is unnecessarily put at risk.

In a truly integrated system of public health, information travels between PHPs and MCPs that are responsible for controlling mosquito vectors. Public Health Programs have information that can be very helpful to MCPs. Because most vector-borne diseases affecting humans and domestic animals are required to be reported by veterinarians and doctors, PHPs by default have information about the location of a potential arbovirus transmission focus. If this information is transferred to the MCP in a timely fashion—taking all precautions to avoid [HIPAA](#) conflicts, then MCP resources can immediately be made available to control mosquitoes and reduce transmission in a specific area where infected mosquitoes are likely at dangerously high levels.

Likewise, information the MCPs have about entomological developments (such as population dynamics or virus-positive mosquito pools) in and around a specific transmission zone could aid PHPs in their efforts to alert the residents of these areas about elevated risk. The value of this information *increases* when it is used to create long term baseline data that can be used to place current year transmission data into a historical context.

Long term baseline data in the hands of PHP and MCP officials *working together* can be used to stress the importance of prevention of transmission in a region, county, or even a much smaller area of focus and will in turn, limit unnecessary risk to residents of these areas. Yes, this costs money, but so do human lives and the treatment of affected individuals. Do we not install sprinkler systems in buildings as part of the construction cost? Do we not vaccinate against some diseases? Should we no longer evacuate the coastal areas when we have strong indicators of an imminent hurricane landfall?

(see *PHPs*, next page)



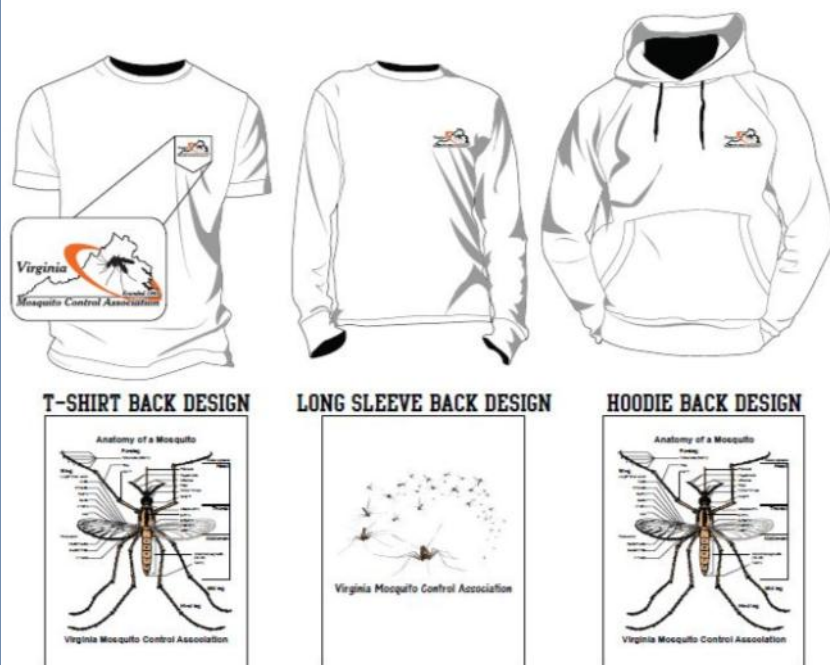
PHPs (continued from Page 3)

Many PHPs around the country do not feel that they can share information, especially case location information (even when requested in a general sense), with appropriate MCPs. The rationale is usually that HIPAA laws govern the use with the information. This information disconnect between PHPs and MCPs can, and does, have serious consequences. In some areas of the Country, questions arise as to whether a concern for tourism delays the announcement of human vector-borne disease cases, especially in areas where tourism is an important driver of the local economy. Additionally, questions about why neighboring jurisdictions are not immediately alerted about epidemiologically significant events close to them raise concerns. Promising mathematical models capable of predicting where and when vector-borne disease transmission is most likely to occur are not supported by PHPs. In some locales, mosquito control must accept restrictions on the use of information, or is told flatly "Not to use it". In other areas there is no information shared at all and the two disciplines operate totally independently of each other.

Two-way interagency communications must be established to effectively combat vector-borne disease epidemics. When workers at a local mosquito control program detect an increase in the infection rate in sentinel animals or mosquito pools they should be obligated to share this information with the local PHP. Likewise, disease transmission information that a local PHP has about the location of a human case must be shared with the MCPs if we ever hope to improve our ability to prevent needless cases of vector-borne diseases. If Mosquito Control Programs and Public Health Programs are not equal partners in a respected relationship between both parties, then the general public may be needlessly placed at risk. This is unnecessary, irresponsible, unethical, and dangerous.

Submitted by Peter Connelly

What's that? Answer

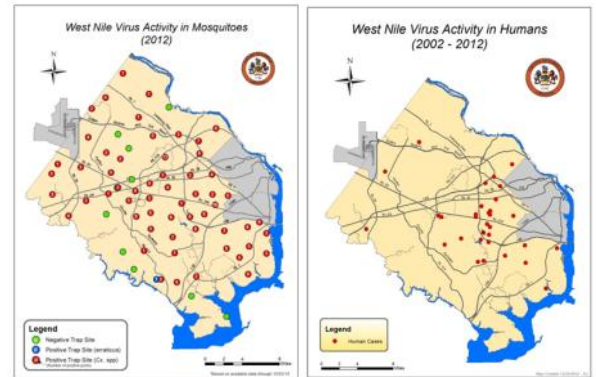


That is the picture on the back of the new VMCA t-shirts and hooded sweatshirts. Did you pre-order yours? Standard sizes will also be available at the VMCA meeting in February.

Fairfax County Update

Happy New Year !!!

Last year's warm winter resulted in some interesting happenings in the mosquito world in Northern Virginia. The mosquito population came in earlier than ever, peaked out before we started trapping, and then West Nile virus entered Fairfax County with a vengeance in the summer. However, the infection rate stayed low early in the season. When it finally reached its peak, the infection rate was the highest recorded, but was not significantly different from the rates seen in some of the previous years. Even with a high infection rate later in the season, mosquito abundance was low so the Vector Index was not anything significant when compared to previous years. Nevertheless, the virus was widespread all over the County, and was detected at 59 of the 68 trapping stations—more positive sites than any other year. The number of mosquitoes collected and the number of pools tested was quite low as compared to previous years. As in the rest of the country, the number of human cases skyrocketed. We had our second worst year with eight reported human cases, including one death. All the 2012 cases were inside the highway 123 corridor, the older part of the county where the catch basin infrastructure is more compromised and where the majority of the cases have occurred historically.



Carl Sivertsen retired from the Fairfax County Health Department's Disease Carrying Insects Program on December 28th. Unfortunately, his position will not be filled and his work will be absorbed by the existing staff. Carl and his wife will be relocating to Myrtle Beach, where they are building a new house that will be completed in February. The County Board of Supervisors gave Carl a well-deserved recognition for his years of service.



New personnel regulations limited our temporary summer help to 900 hours per year and this cap on hours was definitely one of our limiting factors in 2012. Hopefully we will be able to remedy this in 2013 as we have requested that the positions be increased to 1,560 hours per year.

Fairfax County Update (cont.)

In addition to mosquitoes, we continue to work diligently on ticks. The tick infestation at the I-66 landfill was treated again in 2012. It appears that we are gaining the upper hand with the ticks there and that we are managing the invasive Gulf Coast tick at this location. However, in our questing we found another established population of this same tick in a different area of the County. Fortunately, this second population does not seem to be as big as the I-66 population, and we are going to try to manage it with alternative methods (mowing and burning). We could not mow the landfill because of the terrain (steep hills) and burning is not an option as the landfill produces large quantities of methane.

In our Vet jars, one clinic provided us with a large number of Brown dog ticks, which is not very common in the County. A few were infected with an interesting pathogen, but the testing and investigation are still ongoing.

Outreach material preparation (the calendar and a new story book) has been underway since October and we are working on our list of events for the upcoming season.

Although 2013 just arrived, we are well on our way to another fun and exciting year in Fairfax County!



Submitted by Joshua Smith

First Vice President Candidates & Biographies



Jeff Hottenstein

I attended my first VMCA in 1988 as a Sales Representative for Beecomist Systems from Telford, PA. I then moved to Northeast Vector Management, Freehold, NJ as a Sales Rep. until NEVM was purchased by Clarke. I have been a regular attendee since 1988. I have also represented VMCA at the AMCA Washington Days for the last 7 years, making the rounds on Capitol Hill informing our legislators about mosquito control issues involving the counties and cities they represent.

- Beecomist Systems, Sales Rep. 1987-1988
- Northeast Vector, Sales Rep. 1989 - 1996
- Clarke, Control Consultant 1996 - 2010
- Clarke, Regional Sales Manager 2011 – present

Jay Kiser



Jay Kiser graduated from George Mason University in 2005 with a B.S. in biology and is currently finishing a M.S. in biology at Old Dominion University, where he received a certificate in Geographic Information Systems (GIS) in 2008. In 2007, he started his mosquito career as a biology intern for the City of Chesapeake Mosquito Control Commission, and since January 2008 he has been a biologist for the City of Suffolk Mosquito Control. He is currently the coordinator for Tidewater Regional Arboviral Surveillance Team (TRAST) and the Vice President of Tidewater Mosquito and Vector Control Council (TMVCC). During his time in Suffolk he has helped instruct multiple VMCA adult mosquito ID courses and contributed to the *Aedes albopictus* and *Ochlerotatus japonicus* Virginia state wide distribution project.

Aquatic Ecosystem Restoration Foundation

The Aquatic Ecosystem Restoration Foundation (AERF) was created in 1996 as a response to cuts in federal funding of research and development of means and methods for the control of aquatic invasive species. At that time the stated goal of the AERF was “...to promote and support those educational, scientific and research organizations that are selected by the Board of Directors.” This succinct statement captures the initial primary intent of the AERF as described above and contains the seed that grew to become the ultimate goals of the AERF in later years.

Sixteen years has seen a gradual expansion of the AERF’s activities while staying within the general intent of the Foundation’s original purpose. When the AERF was created, no one could have foreseen the introduction of so many new invasive and exotic species (both plant and animal); the development of herbicide resistance by some aquatic weeds; the requirement for NPDES permits for herbicide applications in, near and over waters of the United States; the renewed effort to defund Federal research monies; and the cyclic return of anti-pesticide factions around the country. The AERF, in accordance with the goals listed above, has met these challenges and more by responding aggressively when issues arise and preparing pre-emptive actions when maturing issues can be predicted.

The current purpose and mission statement of AERF is:
“The Aquatic Ecosystem Restoration Foundation supports the research and development that provides the strategies and techniques for the environmentally sound management, conservation and restoration of aquatic ecosystems. Research provides the basis for the effective control of nuisance and invasive plants and algae.”



Aquatic-related research continues apace. Federal research teams with the US Army Engineers and researchers at more than eighteen universities across the nation have been the beneficiaries of the AERF Special Project process and of funding through the AERF. The AERF provides a graduate stipend to the University of Florida to support the work of graduate students and plans to expand programs of this type to other universities. In addition, the AERF supports the Aquatic Plant Management Society and its chapters’ scholarship efforts and also provides travel stipends to students so they can attend and participate in aquatic meetings.

The AERF works with Crop Life America and Responsible Industry for a Sound Environment to respond to emerging and current regulatory issues by issuing Action Alerts, participating and conducting national and state workshops and serving as the educational and outreach arm of a cooperative effort to keep affected aquatic plant managers informed about evolving issues. The AERF provides subject matter experts to state and federal agencies, which equips them with the most up-to-date scientific information and allows them to make sound decisions. The AERF also provides travel stipends to federal and state employees and other experts to attend society meetings, training and public meetings related to aquatic plant management. Importantly, the AERF continues its effort to affect the implementation of the Endangered Species Act and the NPDES Pesticide General Permit through education and outreach activities.

The AERF has become the “go-to” entity for information and outreach to the public on the benefits of aquatic plant management. Information is disseminated through its website, newsletters, information emails, meeting presentations and displays, publications, and social media. Please visit the AERF website (www.aquatics.org) for news and information on current events, as well as information on how individuals and companies can be part of this action-oriented, not-for-profit 501(3)(c) Foundation.

Submitted by Randy Buchanan

TMVCC Update

In 2013, we will be continuing to pair educational presentations with our vendor presentations. We encourage everyone to come up with and share your ideas for future presentations you would like to see. TMVCC would like to thank Ted Bean with ADAPCO, Charlie Pate with Central Life Sciences, and Gordon Morrison with Bayer for sponsoring November's meeting; Chesapeake Mosquito Control for providing us with a great location; and Abrams for catering.

The 2012 year has come to an end, and there will be a passing of the TMVCC torch. On January 1st, 2013, LaToya White of Suffolk Mosquito Control became the new TMVCC president, Jay Kiser of Suffolk Mosquito Control became the new Vice President, and Karen Akaravovic from Suffolk Mosquito Control became the new Secretary. I would like to thank Ann Herring, our Past President, for all of her hard work towards TMVCC the last 3 years. Lots of the presentation ideas, meeting locations, and great lunches are due to Ann putting forth a lot of extra effort. Thank you, Ann!

Submitted by Jay Kiser and Lisa Wagenbrenner



Images from the TMVCC luncheon, November, 2012, in Chesapeake

VIRGINIA MOSQUITO CONTROL ASSOCIATION 2013 VMCA RE-CERTIFICATION COURSE

Dear Members,

The Virginia Mosquito Control Association is sponsoring a re-certification course for Categories 6, 8 & Registered Technician (60) on Wednesday, January 16, 2013. 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, 2013.** Should you have any questions or need further assistance, please contact either Brian Prendergast at 757-240-3946 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 at 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 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.

Annual Meeting Registration Form

**VIRGINIA MOSQUITO CONTROL ASSOCIATION
PRE-REGISTRATION FORM
ANNUAL MEETING, FEBRUARY 6-8, 2013
Crowne Plaza, Hampton Marina**

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

Include payment (made payable to the VMCA) with registration form by January 11, 2013.

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

Sustaining Members and Exhibitors

VIRGINIA MOSQUITO CONTROL ASSOCIATION SUSTAINING MEMBERSHIP REGISTRATION/EXHIBITOR FORM ANNUAL MEETING, FEBRUARY 6-8, 2013 Crowne Plaza, Hampton Marina

NAME: _____

AFFILIATION: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

EMAIL: _____

PHONE: (WORK) _____ (HOME) _____

REGISTRATION & MEMBERSHIP FEE SCHEDULE

Please check below:

Sustaining Member: \$400.00 (Full commercial package) _____

Exhibit space during the annual meeting and registration for one person.
VMCA Newsletter, participation in commercial presentation session,
listing in VMCA Newsletter and meeting program, listing on VMCA website.

Exhibit space and meeting registration: \$150.00 plus \$90.00 per representative. _____

For those who only wish to exhibit; may reserve a space for \$150.00 plus registration

Registration fee includes coffee breaks, banquet and socials.

Please return this form with payment by JANUARY 11, 2013 to:

Virginia Mosquito Control Association

Penelope Smelser, Secretary/Treasurer

2800 Tarrant Street

Norfolk, VA 23509

Phone: 757-683-8662, 757-478-0504 (cell) Fax: 757-683-2500

E-mail: penelope.smelser@norfolk.gov

Please make check payable to: **VIRGINIA MOSQUITO CONTROL ASSOCIATION**

COMMERCIAL INFORMATION

Number of Tables: _____

Number of Extension cords: _____

Participation in door prize: (Y) (N)

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.)

2012 Sustaining Members

The VMCA gratefully acknowledges the support of the following sustaining members for 2012. 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>Ted Bean (814) 671-6516 tbean@myadapco.com</p> 	<p>Peter Connelly (772) 563-0606 peterc@amvac.net</p> 
	<p>Charlie Pate (706) 338-4734 cpate@central.com</p> 
<p>Jeff Hottenstein (703) 498-9362 jhottenstein@clarke.com</p> 	<p>Matt Crabbe (804) 334-7370 crabav@gmail.com</p> 
<p>Caleb Stitely (540) 828-6070 cstitely@dynamicaviation.com</p> 	<p>Ryan Pierson (208) 324-8006 elecdata@elecdata.com</p> 
 <p>Doug Hill (804) 512-2676 dhill@nikon.net</p>	<p>Zachary Cohen (800) 227-8664 zcohen@summitchemical.com</p> 
 <p>Al Kent (804) 615-8648 al.kent@univarusa.com</p>	<p>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

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](#)
Richmond, City of
[Suffolk, City of](#)
US Air Force / Langley Air Force Base
[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](#)

Not a member? Join us at:

<http://www.mosquito-va.org/membership.htm>

Annual dues for 2012 are:

Regular member	\$15
Associate member	\$10
Student member	\$10
Sustaining member	\$400

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, 2013.**

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
Fax (540) 831-5129



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.

2012 Virginia Mosquito Control Association Officers

President Lisa Wagenbrenner	(757) 673-3932 lwagenbrenner@cityofchesapeake.net
President Elect: Joe Simmons	(757) 382-3450 jsimmons@cityofchesapeake.net
Vice President: James Will	(757) 869-7292 james.will@langley.af.mil
1st Vice President: Jennifer Pierce	(757) 426-5420 JPierce@vbgov.com
Secretary / Treasurer: Penelope Smelser	(757) 683-8662 Penelope.smelser@norfolk.gov
Past President: Charles Abadam	(757) 514-7609 cabadam@suffolkva.us
*TMVCC Representative: Ann Herring	(757) 514-7609 MHerring@suffolkva.us
*MAMCA Representative: Tim DuBois	(757) 727-2808 tdubois@hampton.gov
*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