



The Skeeter



Newsletter of the Virginia Mosquito Control Association

Volume 71, No. 3

October 2011

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The Autumn air is upon us, and, for a while there, the mosquitoes weren't holding back. Thanks to Hurricane Irene the mosquitoes were having a field day from mid-September through October. It was a never ending battle against population after population of aggressive mosquitoes. They loved the cool days and nights as much as we did. We can take a nice break now that the off season is settling in and the temperature is finally dropping low enough to give us some relief. Hurricane Irene brought its challenges to the Hampton Roads in full force, and we all did a great job in meeting those challenges with aerial sprays, nightly truck sprays, mosquito and arboviral surveillance. The mosquitoes keep us on our toes; they keep the job interesting and create a dynamic work environment. Every year never ceases to be different, and that is what I love about this line of work.



Charles Abadam
VMCA President 2011

The VMCA Board has been hard at work throughout the year, and we continue to make progress into the Autumn season. The 65th Annual meeting is only four months away, and preparations are coming together. All the arrangements for membership, registration for the meeting and forms for all of you that want to present at this year's meeting are updated for you in this edition of *The Skeeter*. The annual meeting takes a lot of planning and preparation, so if any of our members would like to help with annual meeting arrangements, the VMCA board can find a committee that you can join. It's a good way to see the inner workings of the VMCA.

I'd like to remind everyone that the VMCA Board has been and will continue to accept nominations for special awards that are given out every year. Those awards include the R.E. Dorer Award, Honorary Membership, Outstanding Service Award and Certificates of Appreciation. Notification of nomination of an individual must be submitted to the President so it can be distributed to the Executive board. A written nomination for an individual should explain why the person is deserving of the award. The nomination should highlight how that person has helped the VMCA, Virginia Mosquito Control Organizations or Virginia Mosquito Control overall. It should also accentuate that person's achievements and accolades associated with mosquito control.

One of the most important aspects of this particular *Skeeter* is the section that contains the amendments and repeals that we plan to make to the VMCA Bylaws. The VMCA plans to review the Bylaws every year and make changes as necessary for a progressive organization such as VMCA. Per our Bylaws, we are to have amendments submitted to the VMCA President four months before the date of the annual meeting. This step has been taken care of, and we are now presenting the amendments to our VMCA members earlier than the necessary 30 days, in order for everyone to think about the changes being made. We urge all our members to please take a look at what we are proposing to change in the Bylaws. If you have any questions, concerns, and comments, please address them to any member of the VMCA Executive Board. We would like to start a dialog about these changes early, so we can all be prepared to present them at the Annual Meeting Business Meeting. We appreciate your participation in this matter and hope to hear from you soon.

I'll see you all soon. Until then, thanks for reading, and keep up the good fight, everyone.

Announcements

Recertification course, Categories 6, 8, and Registered Technician

Wednesday, January 18, 9:00 AM

Hampton Library, 4207 Victoria Blvd, Hampton, VA

See registration form on Page 8.

65th Annual Meeting of the Virginia Mosquito Control Association

Wednesday, February 1—Friday, February 3

Hilton Garden Inn, Suffolk, VA

(Hotel website: <http://hiltongardeninn.hilton.com/en/gi/hotels/index.jhtml?ctyhocn=ORFSHGI>)

Want to present? See the submission form on Page 9.

Meeting registration forms are found on Pages 10 (members) and 11 (exhibitors).

Hotel reservation information coming in the next issue of *The Skeeter*.

37th Annual Conference of the Mid-Atlantic Mosquito Control Association

Tuesday, February 21—Thursday, February 23

Wyndham Gettysburg, Gettysburg, PA

<http://www.mamca.org/conference.htm>

78th Annual Meeting of the American Mosquito Control Association

Sunday, February 26—Thursday, March 1

Austin, TX

<http://www.mosquito.org/annual-meeting>

Call for R. E. Dorer Award Nominations

The R. E. Dorer Award is the highest honor bestowed on one of its members by the VMCA. If you know someone who is deserving of this award, please forward your nomination to Jim Rindfleisch (Rindflej@YorkCounty.gov) by the end of January, 2012. See the Spring 2011 *Skeeter* for information on R. E. Dorer.

Not a member? Join us at:

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

Annual dues for 2011 are:

Regular member	\$15
Organizational member	\$20
Associate member	\$10
Student member	\$10
Sustaining member	\$400

Previous Dorer Award Recipients

- * Harry West
- * Martin Shockley
- * William Zawicki
- 1987 Ralph Whitaker
- 1988 Larry Kase
- 1990 Leroy Bohn
- 1991 Gene Payne
- 1993 Dreda McCreary Symonds
- 1995 Tom Gallagher
- 2006 Bruce Harrison
- 2009 JoAnn Beasley
- 2011 Jim Rindfleisch

*Date unknown. If you have information, please send to janderson152@radford.edu.

NDPES & VPDES Update

VPDES Pesticide General Permit

Pertaining to Virginia organizations and Virginia Only.

Virginia's general permit will go into effect on October 31, 2011, unless the federal court further delays the implementation of their decision or Congress acts to eliminate this permit requirement. Information on the Virginia General Permit can be found at <http://www.deq.state.va.us/vpdes/permitfees.html> (see 'Pesticide Discharges GP'). Coverage under the Virginia permit requires no registration or registration fee (i.e. pesticide users are automatically covered) and smaller acreage users of pesticides to surface waters have to adhere to Integrated Pest Management (IPM) practices and report adverse incidents (if any). Larger acreage users of pesticides to surface waters have these same requirements, the development of a Pesticide Discharge Management Plan (best management practices) and monitoring and reporting requirements. However, many of the requirements are similar to what is required under FIFRA right now. You may contact elleanore.daub@deq.virginia.gov (804) 698-4111 for questions regarding the Pesticide General Permit in Virginia.

NDPES Information (excerpted from a recent AMCA email)

This entire process has lasted several years now and, despite everyone's hope that it would be resolved by a legislative fix or overturned in the courts, it hasn't happened yet and it would be wise to be fully prepared to proceed on the assumption that the deadline will arrive without a public health exemption. You can be sure that those interests looking to litigate this will point to the opportunities afforded stakeholders over the last few years to review and comment on the proposed permit to rebut any arguments attempting to explain lack of proper paperwork. Both the EPA and AMCA have continually advised all stakeholders to prepare the paperwork for if/when the mosquito control dimension of the NPDES program comes to fruition. The courts are unlikely to show sympathy to districts that have had 2 years to prepare for the permit and simply chose not to take action - regardless of the reason.

Information on pesticides and the NPDES can be found at http://cfpub.epa.gov/npdes/home.cfm?program_id=410.

Submitted by Randy Buchanan.

What's that?



Answer on Page 5.

VMCA organizational mailing address

**Make sure you send all forms to the
proper address.**

Virginia Mosquito Control Association
Penelope Smelser, Secretary/Treasurer
2800 Tarrant Street
Norfolk, VA 23509
Phone (757) 683-8662

Email Penelope.smelser@norfolk.gov

Fairfax County Update

Things are moving in Fairfax County

Yes, things are moving in Fairfax County, and we (DCIP) are in the first wave of moves. Don't worry we have not moved far – as a matter of fact we moved up in the world and can now be found on the refurbished third floor of the Health Department Headquarters in Kelley Square. DCIP has moved into the space formerly occupied by our Health Department Lab. The new space consolidates almost all of our operation into one space. Lab space, individual lab rooms/offices, a break room, a meeting room, some much improved storage and a locker room. As I am writing this, I am surrounded by boxes and more boxes that are full of supplies, books and of course junk that we have gathered over the years. If this short story has pictures, it means someone found a camera and a computer. Feel free to come by and visit soon.

Medical Update from Fairfax County

Sure seems like the staff of the Fairfax County mosquito program has been busy visiting doctors, hospitals and rehab centers. Guess we have been working so hard that a few of us broke down or simply ran out of steam. The truth is we are all getting better!

Dr. Arias (a probable West Nile case from Prince William County) is now at the Arlington Hospital Rehab Center where he receives treatment and occupational/physical therapy at least once a day. A few of us paid him a visit in mid- September and he seems to be improving a bit. The recovery from this illness will take time and patience.

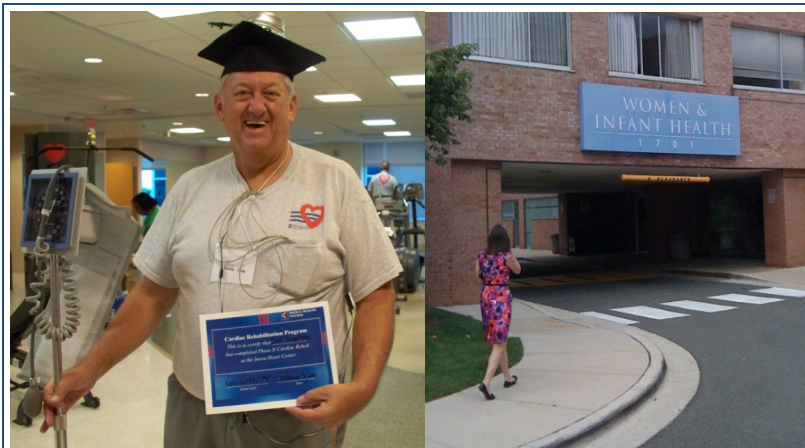
Carl Sivertsen is doing fine. As of mid-September he has lost 75 pounds and completed a 5K race on September 18, 2011. Carl has also registered for the Nags Head Half-marathon (November 2011) and plans to report to the VMCA meeting in February as a much thinner man.

Water Water everywhere!

If it is September it means rain and more rain and sometimes flooding in a few of our communities. This September was a wet one and several areas in Fairfax Count got flooded – 160 homes in the Huntington Community were filled with water. In the days following the flood DCIP was out in the mud and floodwaters looking for mosquitoes and providing area residents with Mosquito Dunks, repellents, and mosquito control information. Our contractor (Clarke Mosquito) provided great support to the community as they weaved their way through the woods to larvicide the flooded areas.

New Outreach item

This summer we reduced our number of educational brochures and developed a the three topic brochure. Yes, it was time to combine the Asian Tiger Mosquito, the *Culex* Mosquito and our Repellents into one comprehensive 4 panel fold out brochure. By combining the nuisance mosquito information along with the West Nile virus information we felt we could educate the community about the mosquitoes that were disrupting many backyard out-ings and inform residents about the risks associated with the *Culex* mosquito and WNV. The control and prevention information is the same no matter which mosquito is bugging you. Go to our webpage and see the new brochure and contact AMCA to have some customized for your community.



Graduation Day: Carl's last day of cardiac rehab, Oct. 3, 2011.

According to Carl, Jorge is in this part of the hospital.



Submitted by Carl Sivertsen

Virginia Beach Update

A Quirky Mosquito Season

Wow, summer 2011 has been a quirky one here in Virginia Beach. Not only have we been swamped with mosquitoes but we have found some really fascinating and odd specimens. We've had a few first finds for our city and some "mutant" mosquitoes. It's definitely been an adventure so far.

Our interesting collections began in June with an *Ochlerotatus trivittatus*. We have found a few of these in the past, but the last one was over 8 years ago, so she definitely would be considered a rarity for us. The next, and definitely most interesting, was finding our first gynandromorph. This was truly an exciting time! We had two other interesting catches, our first *Psorophora mathesoni* and three *Oc. hendersoni*. It's always a treat to spot species you don't usually see - it keeps you on your toes and makes slogging through thousands and thousands of mosquitoes much more interesting.



Left: *Oc. trivittatus*; Center: Our gynandromorph, a *Cx. salinarius* with female head and male tail; Right: *Ps. mathesoni*

Okay, here is where we start to mutate. We found *Oc. taeniorhynchus* with the tiniest band on the proboscis - it was there but was the smallest we have seen ever. Then the *Oc. sollicitans* followed with no longitudinal stripe on the abdomen, but just the hint of a few pale scales. However, our *Aedes vexans* started having a longitudinal stripe of scales down the middle of their abdomen. We have found variations in our mosquitoes later in the season, but usually it's only a few specimens, and not with the regularity that we are finding them this year. Perhaps the two species decided to trade markings for awhile! Actually, because we are collecting so many mosquitoes this season, we are probably catching more deviations.

Hurricane Irene hits and it gets crazy. Our mosquito catch numbers were through the roof. We were averaging 200% higher female per trap night counts compared to last year numbers. Our total mosquito count up to week 37 is 179,000, which is a record high for us. *Aedes vexans*, *Anopheles crucians/bradleyi*, *Cx. erracticus*, *Oc. atlanticus*, *Oc. canadensis* and *Ps. ferox* have been caught in higher numbers in the last 3 weeks than any other 3 week period during my tenure in Virginia Beach. Of course floodwater mosquitoes were also extremely numerous, but we have had some unusual seasonal lows also.

Our *Culiseta melanura* are exceptionally low this year - we've only collected 4,800 this season. This could explain the low EEE activity. We have only had one chicken seroconvert for EEE to date. Our WNV activity is a different story - to date we have collected 9 positive mosquito pools, and we were notified of one WNV positive blood donor. The first positive mosquito pool was in week 25, then 31, 32 and 33 respectively. It is interesting that our next three positives pools were in week 35, right after the hurricane. The most recent was in week 37.

As you can see, it has been a really quirky summer in Virginia Beach. Perhaps some of the tourists brought us these new species and delivered some of our "mutant" mosquitoes. Whatever the case, we are having an exciting year and looking forward to what the rest of the season will bring.

Submitted by Jennifer Pierce

What's that? Answer

That is a Verizon utility box. Did you notice anything about the top? Perhaps some cracks or holes that provide an entry/exit point for a mosquito?



Not all of these boxes are full of water, but if you're ever in a community where the residents like to irrigate (a lot), check it out. It is fairly typical for the tops to have an open hole where the bolt is supposed to be. You never know what you might find...yet another sneaky place for *Aedes albopictus*! Plenty of larvae were also observed. Submitted by Lane Carr.



York County Update

York County has unveiled its new and improved website. The front page is shown below.

Mosquito Control

Monday, October 03, 2011 Welcome!

York County VIRGINIA
Where a Future Starts

HOME Mosquito Control Online Services County Services County Government Doing Business Economic Development Tourism

...You are here: Mosquito Control

DIVISION OF MOSQUITO CONTROL

EDS HOME
[Site Map](#) - [Mosquito Control](#)
[Customer Satisfaction Survey](#)
[Frequently Asked Questions](#)

MOSQUITO COMPLAINTS

General Information
[All About Mosquitoes](#)
[Mosquito Complaints](#)
[Mosquito Threat](#)
[Pesticide labels / MSDS sheets](#)
[Problems Start at Home](#)

Controlling Mosquitos
[Adulticiding](#)
[Larviciding](#)
[Mosquito Fish](#)

Outreach Initiatives
[Monitor Volunteer Program](#)
[School Program](#)

Spraying Agreements
[Noted for Mosquito Control](#)
[Pesticide Discharge Management](#)

Environmental Assessments
[Aerial Spraying - Lower County](#)
[Aerial Spraying - NWS, Contracted Support](#)

WELCOME - ABOUT US

News Minute-Mosquito Attack - Controlling Them

SPRAYING FOR MOSQUITOS

For Monday, October 3, 2011 there will be no ground spraying.

There will be an **Aerial Spray Flight** for mosquitos on Monday, October 3, 2011 for all areas East of Route 17...weather permitting! The need for and timing of an aerial spray is important as it reduces the number of egg laying mosquitos for potential future infestations of public health concern. Beekeepers please take precautions to protect your bees.

Program Established -1951 by the Board of Supervisors

The Vision - To be a first class provider of mosquito control services by exceeding our customers expectations.

Our Mission - To effectively reduce the mosquito annoyance level and threat of associated vector borne diseases of public health importance in an environmentally conscious and cost effective manner.

Total Approach to Mosquito Control - An integrated mosquito management program cornerstone which entails a combination of surveillance, source reduction, judicious chemical treatment, and citizen interaction. It's a process and not a reaction. Maintaining a high standard care is a top priority.

Program Recognition - Recipient of 5 National Association of Counties Awards

- 1993 - Mosquito Volunteer Program - enabling citizen involvement in the mosquito control effort of prevention to promote a higher level of service at no additional costs.
- 1994 - Enhanced Mosquito Control for emphasis on mosquito prevention.
- 2001 - Mosquito Control Outreach to keep citizens well informed & involved in mosquito control prevention efforts by various means using civic education & public information.
- 2003 - Establishing a Fishery for mosquito fish for decreasing reliance on the usage of chemical pesticides for mosquito management.
- 2004 - Elementary School Mosquito Awareness to encourage 3rd grade students to become active as mosquito prevention beaters in their yards.

Reporting a Concern - If a citizen has a question about mosquito control or wish to report a mosquito problem , call weekdays from 7:00 a.m. to 3:30 p.m. or leave a message for a return call the next day. To report on line, please visit the [EDS CUSTOMER SERVICE](#) system. Your concern is our concern and will receive top priority.

TRANSLATION DISCLAIMER

[/HOME/](#) [/COUNTY SERVICES/](#) [/COUNTY GOVERNMENT/](#) [/DOING BUSINESS IN YORK COUNTY/](#) [/ECONOMIC DEVELOPMENT/](#) [/TOURISM/](#)

Transparency in Government
[WEB SITE FEEDBACK](#)
 For technical assistance contact [WEB SITE SUPPORT](#)

CONTACT:

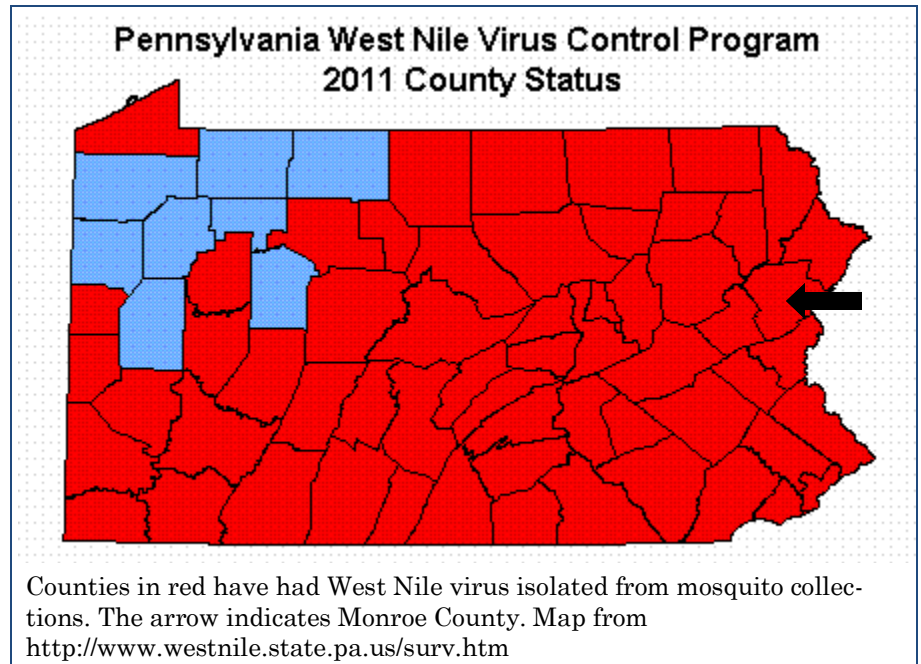
Mailing Address:
 Post Office Box 532
 Yorktown, VA 23690-0532

VOICE: 757-890-3790
FAX: 757-890-3794
SPRAY HOTLINE: 757-890-3793

EMAIL
[Locator Map](#)

Monroe County (PA) Update

What a busy spring and summer it turned out to be for just about all of Pennsylvania's 67 counties. Most had the third wettest spring on record, then about a month of dry weather, followed by two major tropical storms at the end of August and early September. Major flooding was reported statewide, but the majority of damage was caused by historic flooding of the Susquehanna River. The flooding caused heavy breeding in natural woodland areas and floodplains, which allowed many *Ochlerotatus trivittatus*, *Aedes vexans* and even *Oc. canadensis* to emerge producing many complaint calls to our office. The increase in rainfall also supplied *Culex restuans* with a variety of breeding sources, from artificial containers constantly filling to small woodland pools in which I found hundreds of egg rafts throughout the spring and summer. The increase in the number of *Cx. restuans* probably had a lot to do with the highest number of reported positive mosquito pools in the state since testing began in 2000. To date 1,468 positive West Nile pools have been reported from all but eight counties in PA; 42 bird, human, or veterinary samples have also come back positive.



In Monroe County, located in Northeastern PA, our vector control agency saw a substantial increase from past years. For 2011 to date we have had a total of 29 positive pools. This is the most since 2003, when there were nine positive pools. Twenty-two of these pools were *Cx. restuans* while only seven were *Cx. pipiens*. In total we collected over 47,000 adult mosquitoes, with 2,751 of them being *Cx. pipiens* and 17,858 *Cx. restuans*. For every year since 2000 our agency collected no more than 5,000 *Cx. restuans*, so this year's collection represents a very large increase over historic numbers. Some of the increase in collection numbers can be attributed to over 700 gravid traps placed in the county from May through September. We trapped four nights a week, every week. Lowering the water level in our gravid traps produced better collections. We filled our basins with only about 1-2 inches of water, far less than in previous years. I believe this helped to collect more mosquitoes that would have otherwise deposited an egg raft and left. We did not have 1 single egg raft in a gravid trap all year. So if you see egg rafts in your gravid basins when collecting, try to lower the baited water solution and see if you get better collections. Here's to a dry spring next season.

Submitted by Michael Pula, Coordinator
Monroe County Vector Control
Stroudsburg, PA

VIRGINIA MOSQUITO CONTROL ASSOCIATION

2012 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 18, 2012. 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 9, 2011.**

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

NAME: _____ PHONE: _____

CERTIFICATE NUMBER: _____

AFFILIATION/ORGANIZATION: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

Please make check payable to VMCA.

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

Directions

Location: Hampton Library

Address: 4207 Victoria Blvd, City of Hampton, Virginia

Phone: (757) 727-1154 (Library)

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

Coming from I-64 West

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

Coming from I-64 East

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

Coming from I-664

Take exit 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.

2012 VMCA Annual Meeting Presentation Submission

Please return completed form to Lisa Wagenbrenner at lwagenbrenner@cityofchesapeake.net NO LATER than DECEMBER 2, 2011.

Presenter Information

Name:

Organization/Affiliation:

Address:

Phone:

E-mail:

Presentation Information

Title:

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

Audio/Visual Equipment Needed (if other than PowerPoint):

**VIRGINIA MOSQUITO CONTROL ASSOCIATION
PRE-REGISTRATION FORM
ANNUAL MEETING, FEBRUARY 1-3, 2012
Hilton Garden Inn, Suffolk**

NAME: _____

AFFILIATION: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____

WORK PHONE: _____ HOME PHONE: _____

EMAIL: _____

REGISTRATION FEE SCHEDULE

CHECK ONE

Regular Member	\$90.00	_____
Organizational 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, Interim 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 10, 2012.

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

**VIRGINIA MOSQUITO CONTROL ASSOCIATION
SUSTAINING MEMBERSHIP REGISTRATION/EXHIBITOR FORM
ANNUAL MEETING, FEBRUARY 1-3, 2012
Hilton Garden Inn, Suffolk**

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 3, 2012 to:
 Virginia Mosquito Control Association
 Penelope Smelser, Interim 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) _____

“Suburban Blood”

Written and performed by Andy Lima (a.k.a. MC Bugg-Z)

A hip-hop version of this song can be heard attached to the following mosquito control video, “Aerial Mosquito Control Operations in Western Kentucky” <http://www.youtube.com/watch?v=U->

Suburban blood flows / from hosts that don't know
About a foe / whose populations explode / as the economy
slows
And since the home's foreclosed / the vegetation's overgrown
But now the cover is blown / mosquito vector control

Inside the phylum Arthropoda / and the class Insecta lies
A group of flies / who bring demise / to human beings world-
wide
Culicids will occupy any niche / opportunist and specialists
3000 species of richness

Like *Aedes albopictus* / colonize containers with a quickness
The Asian tiger / human biter / poster larva or nuisance
Arrived in '85 / inside of tires they survive
Successfully urbanized / like mankind

Short flight / small size / jet black / bands white
Quite easy to recognize / silvery pinstripe
Swollen bites on the ankles? / always a bad sign
Of host-seeking females / inside of your fence line

The best method of control / is aggressive source reduction
Fairfax does it right / by informin' the public
Tip, pour, and toss / to avoid an eruption
Of a species steady creepin' since its introduction

Suburban blood flows / from hosts that don't know
About a foe / whose populations explode / as the economy
slows
And since the home's foreclosed / the vegetation's overgrown
But now the cover is blown / mosquito vector control

Inside the phylum Arthropoda / and the class Insecta lies
A group of flies / who bring demise / to human beings world-
wide
Culicids will occupy any niche / opportunist and specialists
3000 species of richness

Ochlerotatus japonicus / found with *albos*
Recently introduced / rock pool mosquitoes
Every passin' year / the native range grows
Expanding north and south / along the east coast

Golden “lyre” on the scutum / a dead giveaway
Thick white basal bands / contrast with dark legs
Relatively large / and attacking during the day
Their vector competence / is the subject of debate

Adult populations / tough to estimate
So larval infestations / are best to indicate
The presence of a pest / that's continued to propagate
Since it arrived in used tires / in 1998

Suburban blood flows / from hosts that don't know
About a foe / whose populations explode / as the economy
slows
And since the home's foreclosed / the vegetation's overgrown
But now the cover is blown / mosquito vector control

Inside the phylum Arthropoda / and the class Insecta lies
A group of flies / who bring demise / to human beings world-
wide
Culicids will occupy any niche / opportunist and specialists
3000 species of richness

Now *triseriatus* / got a lot of us / swattin'
For genus *Ochlerotatus* / feedin' on people is common
Mammal biter / from the woods / beneath the canopy rockin'
Whether it's daylight or dusk / hungry females are clocked-in

Larval stage initiated / in containers and treeholes
Eggs are inundated / in tea-colored H₂O
Safe from most predation / except for *Toxo*'s
Raptorial mouthparts / that attack from shadows

So look for tires on the treeline / that's your best bet
For these black-legged *Aedes* / pickin' up the scent
LaCrosse encephalitis vector / in Virginia's southwest
And like the aforementioned species / she demands respect

Suburban blood flows / from hosts that don't know
About a foe / whose populations explode / as the economy
slows
And since the home's foreclosed / the vegetation's overgrown
But now the cover is blown / mosquito vector control

Mosquito Vector Control...



Spotted on the web by Adam Shew.

Proposed changes to the by-laws of the Virginia Mosquito Control Association

The executive board has submitted the following proposed changes to the by-laws of the VMCA for consideration by the membership. A summary of changes, along with rationale for each, is presented first, followed by the by-laws. Changes are highlighted in red, bold for **additions**, stricken through for **deletions**. The current, unedited by-laws may be found at: <http://www.mosquito-va.org/index.htm>

Summary of proposed changes to the by-laws

1. Article 1 Name – first line: add period after VMCA. Rationale: minor grammatical error, punctuation probably left off on accident or dropped off in format revision.
2. Article IV Membership and Dues – first paragraph: add “Executive”. Rationale: need to have consistency within the paragraph when describing the Executive committee. First paragraph: make “C” in committee lower case. Rationale: minor grammatical error.
3. Article IV Membership and Dues, Section 1, part A Regular Member, second paragraph: change “service” to “serve.” Rationale: minor grammatical error.
4. Article IV Membership and Dues, Section 1, part B Associate Member, second paragraph: add word annual dues “set” by the... Rationale: minor grammatical error.
5. Article IV Membership and Dues, Section 1, part B Associate Member, last sentence: omit “or serve on a committee.” Rationale: The VMCA should not restrict associate membership from taking an active part in serving on a committee.
6. Article IV Membership and Dues, Section 1, Part D Sustaining Members: replace “Sustaining members shall receive and be listed in the VMCA newsletter and in the program at the annual meeting” with “Each sustaining member qualifies for a display area at the annual meeting, one (1) full meeting registration, and a listing in all publications. This membership is entitled to one Active Membership and one vote.” Rationale: The VMCA could not survive without the support of the sustaining membership. Sustaining members should have the same rights as regular members.
7. Article V Officers and Committees, Section 1, part c: add “The secretary/treasurer will serve a two-year term.” Rationale: this was added to reflect what has been done in the past few decades.
8. Article V Officers and Committees, Section 1 Part c becomes part d: add “In the case of a vacancy or if an officer is unable to fulfill the duties of the office of President or President Elect, the next officer in progression would ascend to the vacated office as decided by the executive committee. The Executive committee shall notify the membership in writing of any changes.” Rationale: The board is charged with making executive decisions that are in the best interest of the organization. This change is intended to provide transparency to the process and make sure that the membership is provided proper notice of any changes.
9. Article V Officers and Committees, Section 3 Other committees, Designation and Appointment part a, first sentence: change word “be” to “are” Rationale: minor grammatical error.
10. Article VI Duties of Officers and Committee Members, Section 1, part a: change to “Attend and preside at executive and annual meetings of the VMCA.” Rationale: minor point of clarification of officer duties.

11. Article VII Nomination of Officers: change to “Nomination and Election of Officers.” Rationale: this part of moving the election of officers out of the annual meeting section to Nomination of Officers.

12. Article VII Add section 3 to this article, which is currently Article VIII Annual Meeting and Election of Officers Section 2. Rationale: this eliminates election of officers from Article VIII leaving Article VIII Annual Meeting. Article VII will become Nomination and Election of Officers.

13. Article VII Section 3 Part D: eliminate “Be placed in a sealed ballot envelope and contain member’s printed name and signature on the back of the ballot envelope.” Rationale: this eliminates the need for mailing ballots and allows the board to use technology to help with elections.

Items to be deleted from the by laws.

14. Article IV Membership and Dues, Section 1, part F Organizational Member: delete the category of organizational membership. Rationale: Organizational membership was originally created to allow municipalities to participate in the Joint Pesticide Purchasing plan. Deleted in 2000 as the Joint Pesticide Purchasing plan was no longer utilized. In 2006 the Organizational Membership was reinstated in an effort to help prioritize attendance for education sessions and to provide a point of contact for different mosquito organizations thus increasing communication, aiding in the dissemination of information and obtaining feedback. We no longer have a need to limit participation in education training opportunities and our current membership e-mails have proven far more effective in reaching our membership as a whole, thus eliminating the need for the Organizational Member category.

15. Article VIII Section 2: eliminate section. Rationale: this Section has been moved to Article VII as section 3 to combine with the appropriate section.

16. Article XII Parliamentary Authority: Delete Section 1 and Section 2. Rationale: both of these sections are part of changing the Bylaws and are covered word for word in Article XIII Amendments to the Bylaws

VMCA By-laws

(Note: minor editorial changes have been made for presentation purposes only. They do not reflect changes to the by-laws.)

Article 1: Name

The name of the association is the Virginia Mosquito Control Association, hereinafter referred to as the VMCA.

Article II: Purpose

The purpose of the VMCA is to promote environmentally sound mosquito control practices in Virginia; to keep abreast of developments and methods; to disseminate information and provide training to association members and other interested parties, to educate the general public and unite com-

mon interests and objectives to further professionalism in the control of mosquitoes.

Article III: Geographical Scope and Principal Office

Section 1. Geographical scope:

The VMCA shall serve all counties and municipalities in the Commonwealth of Virginia.

Section 2. Office:

The principal office of the VMCA shall be designated annually by the executive committee.

Article IV: Membership and Dues

The VMCA shall be a membership-based association. The Executive committee shall make provision for membership and provide for the eligibility standards, dues payment schedules and methods, termination process, honorary memberships and other provisions as deemed appropriate. The **Executive** committee shall reserve the right to reject an applicant whose interests are not in keeping with those of the VMCA. Rejection of an applicant will be upon the recommendation of the Executive committee and on approval by two-thirds of the members present at the annual meeting.

Section 1. Membership categories are based on entitlements and fee requirements.

A. Regular Member – Anyone concerned with or interested in mosquito control and related work or desiring to participate in the promotion and improvement of such work, may become a member of the VMCA by filing an application and paying any dues owing.

Regular members shall pay annual dues set by the Executive committee, receive the VMCA newsletter, be exclusively entitled to hold office, may ~~serve~~ **serve** on committees, propose motions, vote, and participate at officially called business meetings.

B. Associate Member – Anyone concerned with or interested in mosquito control and related work or desiring to participate in the promotion and improvement of such work, may become an associate member of the VMCA by filing an application and paying any dues owing.

Associate members shall pay annual dues **set** by the Executive committee, receive the VMCA newsletter and enjoy the same privileges as regular members, except they shall not have voting privileges; **or** hold office; ~~or serve on a committee~~

C. Student Member – An undergraduate or graduate student enrolled in an accredited college or university and taking at least one-half full schedule, is eligible for student membership. A student must be certified as meeting these requirements by the department head or major advisor. This must be done at the time of application and at each renewal date.

Student members shall pay annual dues as set by the Executive committee, receive the VMCA newsletter and enjoy the same privileges and carry the same responsibilities as regular members, with the exception of holding office and voting.

D. Sustaining Members – Any agency, company, or individual interested in furthering the efforts of the VMCA may become a sustaining member upon an annual lump sum payment set by the Executive committee. **Sustaining members shall receive and be listed in the VMCA newsletter and in the program at the annual meeting. Each sustaining member qualifies for a display area at the annual meeting, one (1) full meeting registration, and a listing in all publications. This class of membership is entitled to one Active Membership and one vote.**

E. 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. *Amended February 6, 2009.*

~~F. Organizational Member – Any Virginia tax agency or commission at a state or local level with a vested interest in mosquito control or interested in furthering the efforts of the VMCA may become an organizational member upon payment of annual dues set by the Executive Committee. Organizational Members: shall receive and be listed in the VMCA newsletter, be listed in the Annual meeting program of the State, may send at least one individual (at Regular Membership rate) to each and all VMCA sponsored training courses after paying any required fees, and be listed on the VMCA website. Deleted February 4, 2000. — Amended February 10, 2006~~

Section 2. Fiscal Year and Dues

A. The fiscal year shall be from January 1 to December 31.

B. Membership dues are payable on or before the annual meeting date. Any unpaid dues shall be declared in arrears, and the delinquent member shall not be in good standing.

Article V: Officers and Committees

Section 1. Officers

A. The association officers shall consist of the president, president elect, vice president, first vice president, secretary treasurer, and current past president. The MAMCA representative and TMVCC chairperson are special non-voting officers. *Amended Feb. 14, 1997.*

B. The president, president elect, vice president and first vice president shall serve until elections the following year. *Amended Feb. 14, 1997.*

C. The secretary/ treasurer will serve a two-year term.

In case of a vacancy **or if an officer is unable to fulfill the duties of the office in the office** of President or President Elect, the next officer in progression would ascend to the vacated office **as decided by the Executive committee. The Executive committee shall notify the membership in writing of any changes.**

Section 2. Executive Committee

Members of the Executive Committee shall consist of the president, president elect, vice president, first vice president, secretary/treasurer and the current past president. The MAMCA representative and the TMVCC chairperson are special non-voting members. *Amended Feb. 14, 1997.*

The committee will conduct a business meeting at least every three months as scheduled by the chairperson (president). At such meetings the members present shall exercise all of the powers of the VMCA between annual meetings. At least one-half of the members of the committee shall be present to constitute a quorum for an executive meeting.

Section 3. Other Committees, Designation and Appointment

Committees, whether they ~~be~~**are** standing or ad hoc, shall be designated by the president with the approval of the executive committee to carry on the affairs of the VMCA. They shall include but may not be limited to the following committees with specified responsibilities: Information (VMCA Newsletter), Public relations (Poster Contest/Science Fair), Photography (Special activities and awards), Education (Certification and Recertification), Chemical Review (Joint Pesticide Purchase), Audit (Financial Records), Historian (Significant events), Awards and Decorations (Recognition), Annual Meeting (Facility and Arrangements), Program (Annual Meeting Agenda), Commercial Planning (Annual Meeting Vendors) and Nominating (Officers), Membership Committee (Enhance membership) and Standing Advisory Committee (Dispense advice). *Amended February 4, 2000.*

The Chairperson for each committee shall be appointed by the president and that individual shall choose its members from the VMCA membership. The only exception is that all nominating committee members shall be appointed by the president and approved by the majority of the executive committee. The current past president shall be its chairperson.

The President is an ex-officio member of all committees except the nominating committee.

Article VI: Duties of Officers and Committee Members

Section 1. The President of the VMCA shall be chairperson of the executive committee and shall have the usual responsibilities and powers of supervision and management and such other powers as are specified in the bylaws. The following are specific duties:

- A. **Attend and** preside at all executive and annual meetings of the VMCA
- B. Present questions concerning policy for the consideration of the committee
- C. Serve as the official spokesperson for the VMCA

- D. Call special meetings and initiate special actions by correspondence or other means
- E. Establish association goals for attainment

Section 2. The President Elect shall preside in the absence of the President and shall assist the President whenever requested.

Section 3. The Vice President and First Vice President shall assist the President and President Elect with duties of their offices as directed. *Amended Feb. 14, 1997.*

Section 4. The Secretary/Treasurer shall have the following duties:

- A. Record and maintain all meeting minutes
- B. Prepare and submit expenditure reports as required
- C. Record all monies paid and disbursed by the VMCA
- D. Submit to the membership an annual financial statement for the current year together with the audit report.
- E. Expend funds for routine operations with the approval of the President
- F. Prepare, with input from the executive committee, a proposed budget for the next fiscal year and perform other duties relating to the office as may be necessary.

Section 5. The Past President shall assist the President in any other capacity as requested.

Section 6. The VMCA representative to the MAMCA will serve as the liaison for the state association on matters of mutual concern.

Article VII: Nomination and Election of Officers

Section 1. Nominating Committee. The nominating committee shall be established annually and will be chaired by the current or serving past president.

Section 2. The nominating committee shall submit to the executive committee its nomination(s) for each office to be filled in the ensuing year. All nominations, including write-in candidates, shall carry the consent of the nominee and assurance that they will serve if elected.

Section 3. The nominating committee chairperson shall prepare an election ballot containing the names of the nominees for offices with space for write-in candidates for each office. The ballot shall:

- A. **Be reviewed and approved by the VMCA executive board and sent to all voting members at least six weeks prior to the annual meeting.**
- B. **Automatically contain the name of the President Elect as a nominee for the office of the President.**
- C. **Contain at least two qualified candidates for the office of First Vice President.**
- D. ~~Be placed in a sealed ballot envelope and contain member's printed name and signature on the back of the ballot envelope.~~
- E. ~~Be returned by-~~ **D. Voting must be completed before 5:00 PM the day before the annual business meeting.**

New voting members or voting members **who have not completed the voting process will be able to do so at the annual meeting, whose ballot has been returned due to an incorrect mailing address; a ballot will be made available at the annual meeting registration table.**—In the case of a tie vote for any elected office, the election shall be decided by the majority vote of the voting members present at the annual meeting. There will be no nominations from the floor during the business meeting.

Article VIII: Annual Meeting and Election of Officers

Section 1. Annual Meeting. The VMCA shall hold an annual meeting at a place and date which shall be determined by the executive committee. It will be announced through the VMCA newsletter not less than six months before the established date. The meeting shall be open to registrants; however only VMCA members in good standing shall be eligible to attend business meetings.

~~Section 2. The nominating committee chairperson shall prepare an election ballot containing the names of the nominees for offices with space for write-in candidates for each office. The ballot shall:~~

- ~~— A. Be reviewed and approved by the VMCA executive board and sent to all voting members at least six weeks prior to the annual meeting.~~
- ~~— B. Automatically contain the name of the President Elect as a nominee for the office of the President.~~
- ~~— C. Contain at least two qualified candidates for the office of First Vice President.~~
- ~~— D. Be placed in a sealed ballot envelope and contain member's printed name and signature on the back of the ballot envelope.~~
- ~~— E. Be returned by 5:00 PM the day before the annual business meeting.~~

~~New voting members or voting members whose ballot has been returned due to an incorrect mailing address; a ballot will be made available at the annual meeting registration table. In the case of a tie vote for any elected office, the election shall be decided by the majority vote of the voting members present at the annual meeting. There will be no nominations from the floor during the business meeting.~~

Article IX: Publications

Section 1. Publications. The VMCA shall publish the newsletter “Skeeter” as its official publication. The newsletter shall be published quarterly or more often as circumstances dictate or as the executive committee may authorize.

Section 2. Editor. The President, with approval of the executive committee, shall appoint the editor of the VMCA newsletter.

Article X: Funds

Section 1. Funds are necessary for the routine operation of the association. The Secretary/Treasurer, with the approval of the President, may expend up to \$100 for needed administrative supplies. Any expenditure exceeding this amount must be approved by the executive committee.

Section 2. Non-routine expenditures of association funds may be made with the approval of the executive committee.

Section 3. In the event that the VMCA is dissolved, the funds remaining after payment of all debts will be given to an appropriately recognized (by the Internal Revenue Service) non-profit organization to be determined by a majority of the last executive committee.

Article XI: Audit

Section 1. The financial records of the VMCA will be audited by the audit committee on an annual basis prior to the annual business meeting.

Section 2. The President will appoint a committee of three voting members not presently serving on the executive committee to conduct the audit of the association financial records.

Article XII: Parliamentary Authority

The rules outlined in Roberts “Parliamentary Law” and Roberts “Rules of Order” shall be govern VMCA procedure in all instances where they are applicable.

~~Section 1. Any proposal to amend the Bylaws shall be submitted to the President at least four months prior to the date of the annual meeting. The President will subsequently submit this to the members of the executive committee for review. The recommendation report will be sent to each VMCA member at least thirty days prior to the annual business meeting. A two-thirds vote of the members present shall be needed for approval.~~

~~Section 2. An existing Bylaw may be repealed by passing a Bylaw to this effect.~~

Article XIII: Amendments to the Bylaws

Section 1. Any proposal to amend the Bylaws shall be submitted to the President at least four months prior to the date of the annual meeting. The President will subsequently submit this to the members of the executive committee for review. The recommendation report will be sent to each VMCA member at least thirty days prior to the annual business meeting. A two-thirds vote of the members present shall be needed for approval.

Section 2. An existing Bylaw may be repealed by passing a Bylaw to this effect.

Article XIV: Joint Pesticide Purchase Plan Deleted February 10, 2006.

The joint pesticide purchase plan is not longer used. Pesticides can be purchased off the state bid (www.eva.state.va.us/contracts/contracts.htm)

Article XV: Permanent Sub Organization

The Tidewater Mosquito and Vector Control Council (TMVCC) is a permanent sub-organization of the VMCA. As such its officers are required to be regular members of the VMCA. The VMCA will provide funding for administrative supplies, postage, and luncheon for guest speakers.

*Amended February 6, 2009 VMCA Annual Meeting

2011 Sustaining Members

The VMCA gratefully acknowledges the support of the following sustaining members for 2011. 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>Don Botkin (919) 549-2534 don.botkin@bayer.com</p> 	<p>Charlie Pate (706) 338-4734 cpate@central.com</p> 
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2011 Organizational Members

<p>Chesapeake Mosquito Control Commission Joe Simmons 900 Hollowell Lane, Chesapeake VA 23320 jsimmons@cityofchesapeake.net (757) 382-3450 http://www.cityofchesapeake.net/Government/Boards-Commissions/Full-Listing/Mosquito.htm</p>	<p>City of Emporia Linwood Pope 201 S. Main Street Emporia, VA 23841 publicutilities@telpage.net (434) 634-4500</p>	<p>City of Hampton Timothy DuBois 419 N. Armistead Ave. Hampton, VA 23669 tdubois@hampton.gov (757) 727-2807 http://www.hampton.gov/publicworks/mosquito/index.html</p>
<p>City of Newport News Marcus Leeper 513 Oyster Point Rd. Newport News, VA 23602 jleeper@nngov.com (757) 269-2884 http://www.nngov.com/public-works/storm/resources/stwvector</p>	<p>City of Richmond Horace Todd 400 Jefferson Davis Hwy Richmond, VA 23224 tiffany.patron@richmondgov.com (804) 646-5271</p>	<p>City of Suffolk Charles Abadam 866 Carolina Rd Suffolk, VA 23507 cabadam@city.suffolk.va.us (757) 514-7609 http://www.suffolkva.us/pub_wks/mosquitoe/s/program.html</p>
<p>Fairfax County Health Department Jorge Arias 10777 Main St., Suite 100 Fairfax, VA 22030 Jorge.arias@fairfaxcounty.gov (703) 246-8474 http://www.fairfaxcounty.gov/hd/westnile/</p>	<p>Fort Eustis Yardley Butt 733 MSG Civil Eng. Bldg 1407 Fort Eustis, VA 23604 yardley.butt@us.army.mil (757) 237-3721</p>	<p>Gloucester County James Diggs P. O. Box 329, Gloucester, VA 23061 jdiggs@gloucesterva.info (804) 693-5250 http://www.gloucesterva.info/PublicWorks/MosquitoControl/tabid/838/Default.aspx</p>
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<p>Virginia Department of Health Dr. David Gaines 109 Governor Street Richmond, VA 23218 david.gaines@vdh.Virginia.gov (804) 864-8112 http://www.vdh.state.va.us/</p>	<p>York County Thomas Gallagher P.O. Box 532 Yorktown, VA 23690 Gallagher@yorkcounty.gov (757) 890-3791 http://www.yorkcounty.gov/Default.aspx?alias=www.yorkcounty.gov/mosquitocontrol</p>	<p>Town of Boykins Richard Edwards, Jr. P.O. Box 363 Boykins, VA 23827 boykins@townofboykinsva.com (757) 654-6361</p>

Are you a director, manager, lead mosquito control person in your area? Consider signing up as an organizational member, the cost is only \$20 and includes one regular membership.

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: **December 15, 2011.**

The Skeeter
Newsletter of
The Virginia Mosquito
Control Association

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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.

2011 Virginia Mosquito Control Association Officers

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President Elect: Lisa Wagenbrenner	(757) 673-3932 lwagenbrenner@cityofchesapeake.net
Vice President: Joe Simmons	(757) 382-3450 jsimmons@cityofchesapeake.net
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Secretary / Treasurer: Penelope Smelser	(757) 683-8662 Penelope.smelser@norfolk.gov
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*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.

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