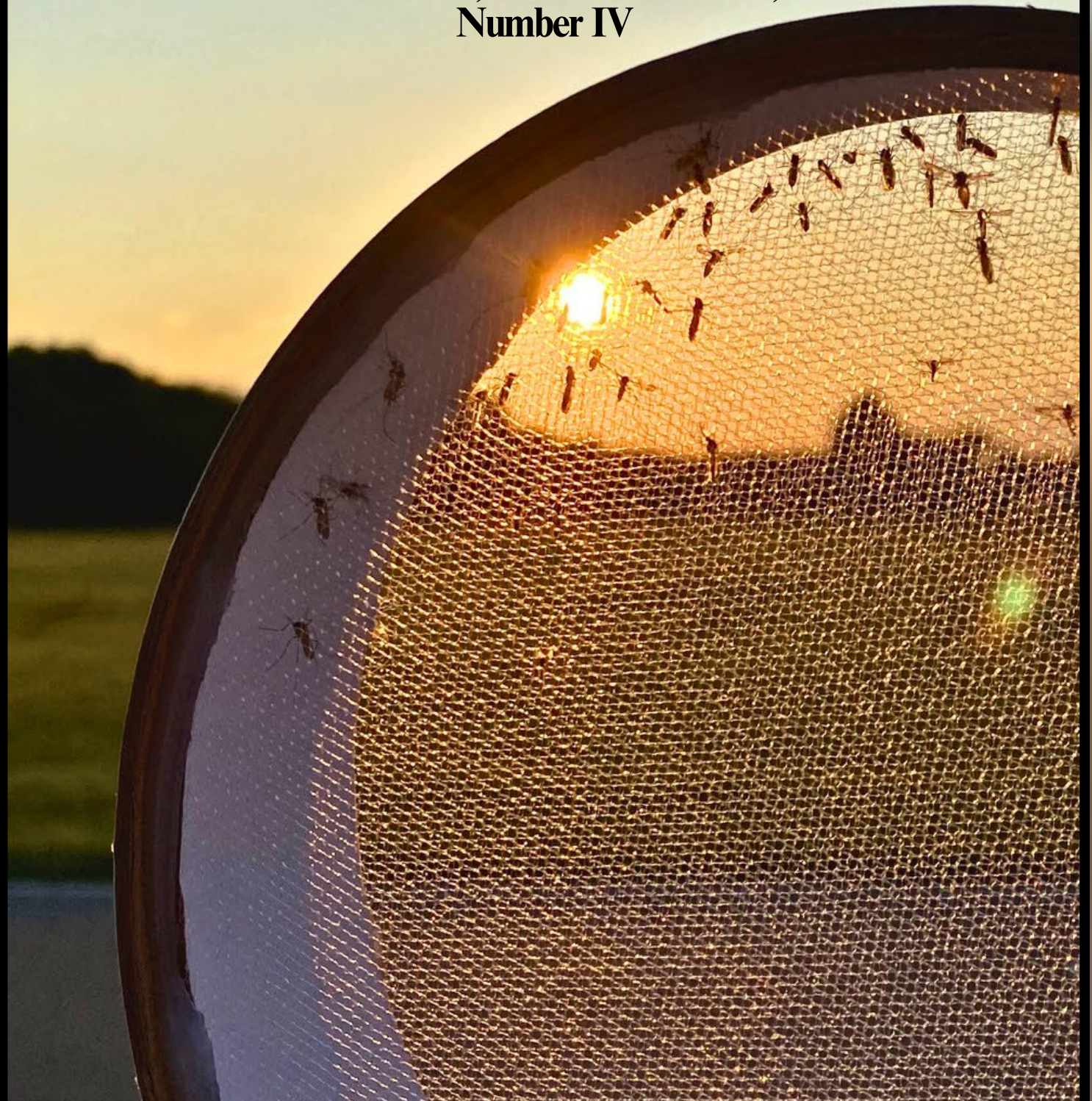


# *The Skeeter*

**The Official Newsletter of the Virginia  
Mosquito Control Association**

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**Volume 84, Winter 2024-2025,  
Number IV**





# PRESIDENTIAL ADDRESS

Winter Greetings and Happy New Year!

Hopefully everyone is having a pleasant chilly season and appreciating the break from active mosquitoes. It looks like much of Virginia saw snow in early January – first snow in 3 years I think, at least for Hampton Roads! I hope everyone was able to enjoy the beauty of the winter weather while staying safe and warm.

Coinciding with the winter storm, you may have seen the emails about [Virginia Senate Bill 911](#). Through the quick action of VMCA Legislative Chair Randy Buchanan, steps were taken to voice opposition for this legislation that would have had significant implications for aerial pesticide applications across Virginia. Thankfully, the bill failed, voted “passed by indefinitely” by the Senate Agriculture Committee. Thank you to Randy, AMCA Technical Advisor Dan Markowski, AMCA Local Legislative and Regulatory Subcommittee Chair Nina Dacko and her entire committee, and AMCA Mid-Atlantic Director Mike Doyle for their guidance and support! Please see the full article in this issue for more details.



As of the deadline for this newsletter, the [VMCA 2025 Recertification Course](#) will have taken place. Thank you to Education Committee Chair Katherine Reutt for organizing another great recertification training for VMCA members and to all the instructors who volunteered their time and expertise. Over the past few months, VMCA and MAMCA have been busy finalizing details for our [2025 Joint Conference](#). It's looking like a full program and over 120 attendees registered as of early January. A draft agenda is included in this issue and will be posted on our website with the digital conference packet. Recertification will be offered for Virginia commercial pesticide applicators, categories 8 and 60; **members must attend all day Wednesday, February 5 and complete all paperwork at the registration desk to qualify.** Thanks to MAMCA Representative Tim DuBois for securing recertification and keeping the VMCA Board informed.

Our 2025 Election is underway – all members were emailed a link to the ballot and their unique Voter ID number. Please take the time to vote! Candidate and voting information can be found in this issue and [online](#). **Voting will close at 5pm on February 5** and the results will be announced the following day at the VMCA Annual Business Meeting. Please note, all members are welcome to attend the annual business meeting, registered to the conference or not.

VMCA's 9th Annual [Student Poster Competition](#) results are in and we extend congratulations to this year's winners! We look forward to a presentation by first place poster, Chekeyl Harold, of Old Dominion University on February 5 and to speaking with all student poster authors in the Q&A session break that follows. Conference attendees are also invited to participate in the Student Competition Committee's 50/50 raffle and silent auction – raffle drawing and final bids on February 5. All proceeds directly benefit the student poster awards. Details for both events can be found in this issue as well as on our website.

Voting is open for the [2024/2025 Photo Contest](#). **Vote for your favorite in each category by February 3, 2025.** Best in Show will be voted on during the first two days of the conference and winners will be announced on Thursday, February 6.

With this my last address in *The Skeeter*, I want to thank you all for the opportunity to serve as 2024 VMCA President. Over the past couple years on the board, I have enjoyed learning much about our organization and tried my best to make meaningful contributions and keep things running smoothly. Though truly, massive thanks go to all board members, committee members, sustaining members, and active membership – the VMCA would not be possible without all of you. It takes interested and attentive people to keep this organization going and I sincerely appreciate everyone who has put forth their time and efforts into making VMCA better for all its members. If you're not already involved, please consider signing up for a committee and supporting the VMCA. Every helping hand is greatly appreciated! **As an extra incentive, sign up for any committee before the annual business meeting on February 6 and you'll be entered into a drawing to win a \$50 Amazon gift card.** [Sign up for committees here](#); a link will also be posted in the conference packet on our website.

As usual, the Information Committee with Chair Kaitlyn Price has done it again with lots of great articles in this issue. I hope everyone enjoys reading and I look forward to seeing you all at the conference!

**2024 VMCA President  
Karen Akaratovic**



# ANNOUNCEMENTS

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## UPCOMING EVENTS

**February 4 - 6, 2025**

VMCA/MAMCA Joint Conference

**March 3 - 7, 2025**

AMCA 91st Annual Meeting

**March 31 & April 1, 2025**

Invasive Species ID Course

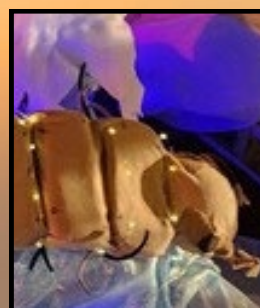
**May 12 - 14, 2025**

Washington Conference

**June 15 - 21, 2025**

Mosquito Control Awareness Week

## WHAT'S THAT?



Find the answer on page 15!

## DID YOU KNOW?

You are always able to reach out to us!



[virginiamosquito@gmail.com](mailto:virginiamosquito@gmail.com)



Virginia Mosquito Control  
Association

800 Carolina Road,  
Suffolk, VA, 23434

## WHAT'S ON THE COVER



The sun setting on field trial Culex species,  
taken by Kaitlyn Price in Suffolk, VA.

# 2025 JOINT ANNUAL CONFERENCE

More details can be found on our [website](#):  
registration, draft agenda, and hotel information.

**VMCA membership** is complimentary when registering for the annual conference. If you do not plan to attend the conference and would like to be a VMCA member, please sign up [here](#).

VMCA's 78th & MAMCA's 50th  
February 4-6, 2025

Newport News Marriott at City Center  
740 Town Center Drive  
Newport News, VA, 23606

## ANNUAL CONFERENCE AGENDA

### Tuesday, February 4, 2025

11:00 am **REGISTRATION**

*Presiding - Brian Prendergast*

1:00 pm **Welcome & Opening Remarks**

*Brian Prendergast*

1:10 pm **History of MAMCA**

*Timothy DuBois, Sue Fergusson*

1:30 pm **Mapping Our Way to Success**

*Robert Cartner*

1:50 pm **Sustaining Member Presentation**

1:55 pm **An Eight-Year Look at Mosquito**

*Pooling in Forsyth County, NC*

*Ryan Harrison*

2:05 pm **AMCA Update**

*Michael Doyle*

2:15 pm **Maricopa County and West Nile Virus**

*James Will*

2:35 pm **AMCA National Communication**

*Campaign for Mosquito Control*

*Dr. Dan Markowski*

2:55 pm **Sustaining Member Presentation**

3:00 pm **BREAK**

*Presiding - Jeff Hottenstein*

3:30 pm **Manatee Response to Outbreaks**

*Chris Lesser*

3:50 pm **Sustaining Member Presentation**

3:55 pm **History of Mosquito Control in**

*Connecticut*

*Roger Wolfe*

4:15 pm **Women and Yellow Fever**

*Benn Trask*

4:35 pm **Sustaining Member Presentation**

4:40 pm **Surveillance using AI**

*Brian Prendergast*

5:30 pm **ADJOURNMENT**

6:00 pm **SUPPLIERS SOCIAL ICE BREAKER**

7:15 pm **VMCA HOSPITALITY SUITE - ROOM 1034**

### Wednesday, February 5, 2025

**(Recertification Day)**

7:00 am **REGISTRATION & LIGHT BREAKFAST**

*Presiding - Adrianna Sharkey*

8:00 am **Virginia Arboviral Update**

*Joshua Bernick*

8:20 am **Communication with the Public**

*Jeff Hottenstein*

8:40 am **Sustaining Member Presentation**

8:45 am **Massachusetts Field Cage Resistance**

*Trial*

*Frank Cornine*

9:05 am **Temperature Differences related to**

*Urban Socioeconomic Gradients affect*

*Mosquito Population Growth*

*Dr. Sarah Rothman*

9:20 am **Mosquitoes as an Agent of History**

*Thomas Moran*

9:35 am **Sustaining Member Presentation**

9:40 am **BREAK**

*Presiding - Ture Carlson*

10:10 am **2024 Hurricane Response from**

*Chatham County, GA*

*Ture Carlson*

11:30 am **Sustaining Member Presentation**

10:35 am **Delaware Tick Update**

*Matthew Esposito*

10:50 am **Preventing Buzz Kills: Bee Biology and**

*Pollinator Protection*

*Dr. Jennifer Tsuruda*

11:10 am **Sustaining Member Presentation**

11:15 am **Wind Tunnel Resistance Study**

*Dr. Stephanie Richards*

11:35 am **Applying Pesticides in an MS4**

*Joshua Snyder*

11:50 am **MAMCA BUSINESS MEETING**

12:20 pm **LUNCHEON & AWARD CEREMONY**

TENTATIVE

TENTATIVE



# CONFERENCE AGENDA, CONT'D

Wednesday, February 5, 2025

(Recertification Day)

*Presiding - Matthew Esposito*

1:20 pm **NEVBD Pesticide Resistance Monitoring Program**

*Lindsay Baxter*

1:40 pm **Sustaining Member Presentation**

1:45 pm **VDACS Update**

*Robert Christian*

2:25 pm **Rewiring Gravid Traps**

*Tilde Hoff*

2:35 pm **Sustaining Member Presentation**

2:40 pm **VMCA Student Award Winner**

**Attachment Site Preferences of Various Tick Species on a Human Host: A Four-Year Observational Study**

*Chekeyl Harold*

3:00 pm **BREAK - STUDENT POSTER SESSION**

*Presiding - Tiffany Nguyen*

3:40 pm **La Crosse Encephalitis: Moving Towards Interventions**

*Dr. Brian Byrd*

4:00 pm **Sustaining Member Presentation**

4:05 pm **York County Outreach Update**

*Janice Pulver*

4:20 pm **Invasive Species and Ticks in PA**

*Christian Boyer*

4:35 pm **Looking at Arboviral Disease Risk of *Ae. aegypti* and *Ae. albopictus***

*Jamesia Henderson*

4:55 pm **Sustaining Member Presentation**

5:00 pm **VMCA 50/50 RAFFLE TICKET DRAWING**

5:00 pm **ADJOURNMENT**

5:10 pm **VMCA SILENT AUCTION FINAL BIDDING**

6:00 pm **VMCA HOSPITALITY SUITE - ROOM 1034**

Thursday, February 6, 2025

7:00 am **BREAKFAST BUFFET**

*Presiding - Jeanne Zastrow*

8:00 am **Tick-Tock: It's Time for Surveillance**

*Lily Withrow, Wes Robertson*

8:20 am **Invasive Species ID Course**

*Jay Kiser*

8:30 am **STATE REPORTS**

*Delaware - Matthew Esposito*

*Georgia - Dr. Tiffany Nguyen*

*Maryland - Jeanne Zastrow*

*North Carolina - Ryan Harrison*

*Pennsylvania - Christian Boyer*

*South Carolina - Dr. Chris Evans*

*Tennessee - Cheryl Clausel*

*Virginia - Timothy DuBois*

*West Virginia - Dr. Eric Dotseth*

10:00 am **BREAK - CHECKOUT TIME**

*Presiding - Ryan Harrison*

10:30 am **Collecting Immature Mosquitoes Outside the 'Mosquito Season'**

*Joshua Smith*

10:50 am **New Jersey Virus Activity 2024**

*Scott Crans*

11:10 am **VMCA 2024 Photo Contest Results**

*Wes Robertson*

11:25 am **Oropouche Virus Update**

*Dr. Tiffany Nguyen*

11:45 am **Skeeter: Origins**

*Alex Riley*

12:00 pm **VMCA BUSINESS MEETING**

12:30 pm **CONFERENCE DOOR PRIZES**

1:00 pm **ADJOURNMENT**

TENTATIVE

TENTATIVE

Signing up for the annual conference comes with VMCA and MAMCA membership. This membership provides updates on VMCA events, a subscription to the quarterly newsletter, *The Skeeter*, and priority access to training opportunities. Be sure to visit page 16 for the most recent training opportunity!



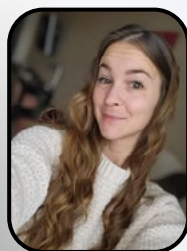
## 2025 ELECTIONS

The Virginia Mosquito Control Association is governed by a dedicated group of individuals on the Executive Board. Please take the time to vote in our 2025 Election.

There are two candidates running for Vice President and two candidates running for Secretary. The complete ballot including incoming President and President Elect were sent via email to membership. If you have recently registered to the 2025 Conference and/or did not receive an email ballot, please contact the Elections Committee: Penny Smelser ([penelope.smelser@norfolk.gov](mailto:penelope.smelser@norfolk.gov)) or Karen Akaratovic ([kakaratovic@suffolkva.us](mailto:kakaratovic@suffolkva.us)). **Voting will close at 5pm on Wednesday, February 5, 2025** with election results announced the following day at the annual business meeting.

### **Executive Board Offices in Progression:**

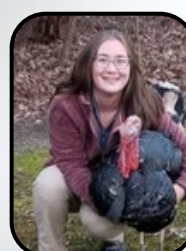
Our 2024 President will become Past President at the 2025 Conference and those currently holding the offices of President Elect and Vice President will advance to the next respective office as listed below.



*Past President: Karen Akaratovic*



*President: Lauren Lochstampfor*



*President Elect: Janice Pulver*

### **Candidates for Vice President: Joshua Bernick and Rachel Kempf**



**Joshua Bernick** is an accomplished entomologist with over a decade of experience dedicated to understanding and managing arthropods of medical importance. Starting his career in 2013 with mosquito surveillance in Virginia, he worked under the mentorship of Dreda Symonds, where he gained invaluable field experience in collecting mosquitoes and caring for research animals.

Joshua furthered his expertise by attending Virginia Tech in 2014, where he studied mosquitoes and their associated viruses under Dr. Sally Paulson. In 2018, he transitioned to public health, honing his focus on ticks and tick-borne illnesses with the guidance of Dr. David Gaines. His deep-rooted passion for entomology drives him to educate others about the risks posed by these creatures.

During the COVID-19 pandemic, Joshua took on the role of Data Analyst at the Virginia Department of Health, ensuring the accuracy of laboratory data while also serving as the Tick Surveillance Coordinator. In this dual role, he identified areas with significant human-tick interactions and developed standardized tools for data entry, all while raising public awareness about tick-borne diseases.

Currently, Joshua is the Rabies and Vector-Borne Epidemiologist with the Vector-Borne Disease (VBD) Team at the Virginia Department of Health. With a focus on public health, he leads initiatives to enhance tick surveillance, oversees case

reviews, and manages important rabies-related data. Joshua collaborates closely with federal partners, including the CDC's Division of Vector-Borne Diseases and the Rickettsial Zoonoses Branch, to address vector-borne health challenges. He is also dedicated to partnering with academic institutions to research and disseminate knowledge about vector-borne diseases in Virginia. Throughout his academic and professional journey, Joshua has made significant contributions to several publications in the field. Joshua is a dedicated public servant who enthusiastically embraces the motto of his alma mater, "Ut Prosim" ("So that I may serve"). With a strong commitment to community engagement, he is eager to apply this guiding principle in his role as Vice President and member of the Virginia Mosquito Control Association board.

Degrees: Bachelors of Biological Science at Virginia Tech, Minor in Animal and Poultry Science at Virginia Tech.



## 2025 ELECTIONS

### Candidates for Vice President: Joshua Bernick and Rachel Kempf, continued



**Rachel Kempf** is a senior Environmental Health Specialist with the Fairfax County Health Department's Disease Carrying Insects Program (DCIP). After graduating from the University of Oklahoma with a B.S. in biomedical zoology and a B.A. in anthropology in 2007, she began her vector control career as a seasonal technician with DCIP in 2009.

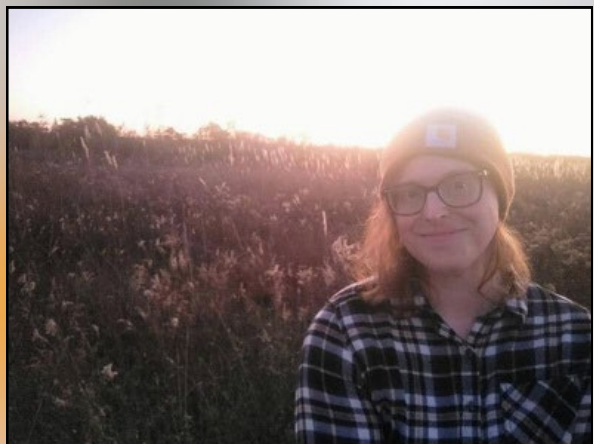
After two summers trapping mosquitoes and ticks, she was hooked and obtained a permanent position with Prince William County's Mosquito and Forest Pest Management Program in 2011, where she spent the next nine years immersing herself in all aspects of an IPM program, with a particular emphasis on the outreach and education efforts of the branch. She took numerous graduate courses in Environmental Science at George Mason University and served on a variety of VMCA committees.

As the co-chair of the information committee, she designed and helped to publish the Skeeter for several years. In 2020 she returned to Fairfax County DCIP and was promoted to a senior EHS role in 2024, where she currently oversees the inspection and larviciding efforts of the program.

When she's not in the DCIP lab or out in the field, she can be found teaching aerial hoop classes at a local studio, photographing insects with her macro lens, walking

her two unruly rescue greyhounds, Nixie and Patches, and spending time with her partner, Michael. She also adores scuba diving, metalsmithing, shooting portraiture and event photography, traveling, graphic design, and getting lost in the forests of Northern Virginia.

### Candidates for Secretary: Alexandra Riley and Michael Rollins



**Alexandra Riley** has been the Crew Leader for Suffolk's technician team for the last two years. As crew leader Alex looks after the techs, manages the city's Mosquito Dunk & tire recycling programs, and keeps track of the operations inventory & small fleet of trucks. She also redesigned the department's publicity materials and created a program for Suffolk's annual Farm Days educational event. Prior to becoming the lead tech she spent a dozen years in the trenches as a regular technician herself, also in Suffolk. Though she doesn't have a degree, she does have a few decades of experience with computers, the internet, and document organization, so if elected she'd be reasonably well suited for the secretary position.

After her promotion to crew lead (and some prodding from her coworkers) Alex decided to get more involved with the VMCA, which she'd been quietly a member of since 2010. She presented at the last two conferences, winning the lightning round contest in 2023. For the last year she's been on the VMCA's Historical & Communications committees, and has written several articles for the Skeeter. In her free time she likes camping, travel, research, art projects, and, conveniently, writing autobiographical blurbs that will be preserved in organizational archives for all time.



## 2025 ELECTIONS

### Candidates for Secretary: Alexandra Riley and Michael Rollins, continued



**Michael Rollins.** As a 6-year member of Virginia's Mosquito Control Association I believe it is time to give back to an organization that has taught me so much. I hope that working as the secretary I can work to keep the organization running efficiently.

My passion for IPM and Vector Control stems from my desire to be outside and in nature. That's why I pursued my bachelor's degree at George Mason University in Environmental Science and Policy. I concentrated on Aquatic Ecology, sampling macros and looking at fish diets in the Potomac River. Low and behold, as I finished my degree, I would never have thought mosquitoes would be the aquatic invertebrate I would begin my career with, having only really looked at benthic organisms. I started as a

technician for Prince William County (PWC) and worked running trapping routes and sorting mosquitoes from by-catch. I lucked into someone leaving as the season ended and received my first full time job. After 6 years with PWC I have recently taken a job with Fairfax County's Disease Carrying Insect Program, where I am leaving the world of forest pests behind for tick surveillance. To no surprise, mosquitoes are still here but now with a familiar species that is found much more frequently than I would have guessed, *Aedes aegypti*. Unfortunately, I have caught the weird "obsession" disease the *aegypti* spreads to all who come across it.

I hope by gaining this opportunity I will be able to spread my interest in IPM and vectors, as well as continue to grow and learn from some of the brilliant members and presenters here at VMCA.

## 2024/2025 PHOTO CONTEST

The 2024/25 Joint Photo Contest has concluded, and it looks like a few of you had some fun and interesting things going on this past year. We would love for you to take a few minutes to please access the voting form using the QR code on the accompanying flyer. I would also like to remind each of you that voting for the "Best Mosquito Photo" and the "Overall Best in Show" will be done during the first 2 days of the conference and announced on Thursday February 6, 2025, during the photo contest presentation. Thanks to all who participated and helped make this event possible.





2024 Winner



2024 Winner



2024 Winner





# VOTE HERE

**2024/2025 Central Life Sciences  
MAMCA/VMCA Photo Contest**

1. Scan the Code
2. View the categories & photos
3. Place your votes using the drop down menu

Signing into an existing Google account may be necessary



Submitted by: Wes Robertson  
Photo Contest Committee Chair



# STUDENT POSTER COMPETITION

Preparing for the Joint MAMCA / VMCA conference in 2025, VMCA's Student Competition Committee (SCC) invited students from colleges and universities from all MAMCA represented states. In the fall of 2024, SCC emailed over 400 professors and staff members from 148 schools to advertise its competition. Expanding throughout the Mid-Atlantic States allowed the SCC to reach an even broader level of vector borne research. In response to the invitation, SCC received eight posters from six universities within four states (including Washington DC).

In December of 2024, SCC's generous team of judges diligently graded the posters and chose the winners for 2025. In the table below, the top five poster submissions are listed with the awards and prizes they will receive: First place will receive the Dr. Jorge Arias Award and \$500, second place will receive a \$300 prize, third place will receive a \$200 prize, and the top five posters will receive free student registration to the annual conference. All eight posters will be displayed at the 2025 MAMCA / VMCA Joint Conference. There will also be a question and answer session taking place during the afternoon break on Wednesday (2/5/2025). The SCC invites you all to come, take a look, and talk with the students.

Place	Award	Student	School	Poster Title
1st	\$500 Free registration	Chekeyl Harold	Old Dominion University	Attachment Site Preferences of Various Tick Species on a Human Host: A Four-Year Observational Study
2nd	\$300 Free registration	Benjamin Burgunder	University of Maryland, College Park	Untangling West Nile viral prevalence, look-alike mosquitoes, and unreliable models in Chicago, IL
3rd	\$200 Free registration	Mara Heilig	Georgetown University	Knockdown of a lipid storage gene impacts triglyceride provisioning and desiccation resistance during overwinter dormancy in the vector mosquito <i>Aedes albopictus</i>
4th	Free registration	Christina Espada	Old Dominion University	Phenology and Host Associations of The Gulf Coast tick ( <i>Amblyomma maculatum</i> ) in Southeastern Virginia
5th	Free registration	Almudena Sanz Gutiérrez	Virginia Tech	Spatial exploration of the impact of livestock on malaria transmission using data from a cluster randomized clinical trial

**I would like to thank everyone for their hard work this year**, not only the students that put so much effort into their posters and research, but also to my committee members that are always there to help. I want to send a special thanks to our poster judges: Wes Robertson, Stephen Panossian, and Katherine Reutt. We appreciate all the effort you put into grading these posters.



**2025 MAMCA/VMCA Joint Conference****Please Support, All Proceeds Benefit VMCA Student Poster Competition**

# Silent Auction!

## Please Donate Items

- New, gently used, or created
- Mosquito/insect/vector swag
- Artwork and crafts
- Gift cards or themed baskets
- Trinkets and doodads
- Anything that may peak the interest of your colleagues



**Final bidding on items will take place after presentations  
on second day of the conference, February 5, 2025**

**Please drop off items at conference registration desk by noon, February 4, 2025.**

**Newport News Marriott City Center**

**Contact [Jkiser@suffolkva.us](mailto:Jkiser@suffolkva.us) for more information**

# 50/50 Raffle!



## Tickets available at the Conference

- 1 ticket for \$1 or 6 tickets for \$5
- Winning ticket drawn at end of second day of conference
- Winner receives half of ticket sales



# CURATION & PRESERVATION COMMITTEE

## THE VMCA PRESERVATION & CURATION COMMITTEE



## NEEDS YOUR MOSQUITO SPECIMENS

*ALL MOSQUITO LARVAE AND ADULTS ARE ACCEPTED AND CAN BE GIVEN TO WES ROBERTSON  
([ROBIO6@HENRICO.GOV](mailto:ROBIO6@HENRICO.GOV)) AT THE 2025 JOINT ANNUAL CONFERENCE*

The Curation and Preservation Committee would like to remind members to bring any adult and/or larval specimens to the conference that they want to submit to the universal VMCA collection! If you are unsure of which specimens are still needed feel free to check out the curations [page](#) on the VMCA website or reach out to me directly at the email provided on the flyer. Thanks, and I look forward to seeing you all soon.

Submitted by: Wes Robertson  
Curation and Preservation Committee Chair



# LEGISLATIVE AWARENESS

## 2025 Virginia General Assembly SB911

On January 8th a notification went out to VMCA membership alerting them to a bill that was being introduced to the Virginia General Assembly that could have potential impacts across our industry as they pertain to aerial pesticide applications.  
The previous notification alert read:

*Dear VMCA Membership,*

*Our Legislative Committee Chair was notified of a bill introduced to the Virginia General Assembly that impacts aerial pesticide applications. Please see the email below from VDACS requesting any comments be submitted today by 12pm. There is not enough time for the VMCA Board to draft an official comment but if anyone is interested in submitting on behalf of their jurisdiction, I would send your comments directly to Nicole Wilkins ([Nicole.wilkins@vdacs.virginia.gov](mailto:Nicole.wilkins@vdacs.virginia.gov)).... note that the General Assembly is not meeting today due to the water crisis in Richmond so that may or may not affect VDACS formulation of a position. Huge thanks to the Legislative Committee for the quick notification! I hope anyone potentially affected by this is able to submit comments. The full bill with highlighted changes can be viewed here: <https://lis.virginia.gov/bill-details/20251/SB911/text/SB911>*

This notification started a quick succession of events, as follows:

- SB911 was referred to the Committee on Agriculture, Conservation and Natural Resources.
- This Committee meets on Tuesday, after the General Session adjournment.
- Several VMCA members provided comments to VDACS as well as multiple groups with similar concerns with SB911.
- AMCA (American Mosquito Control Association) was able to produce a position paper which they delivered to the "Committee", in short order, and was also shared with VDACS. Our VMCA BOD was able to produce a position paper, also in short order, which was delivered to the "Committee".
- After a few days of a plethora of e-mail communications with multiple contacts with similar interest in SB911 and getting folks introduced to Virginia's web based Legislative Information System (LIS), we felt cautiously optimistic of a favorable outcome on the upcoming Committee's vote.

Ultimately SB911 did not make it out of "Committee" despite a large number of supporting speakers. A sincere thanks to the many groups that presented their opposing rationalization of why they opposed this proposed legislation.

Virginia Mosquito Control Association and our American Mosquito Control Association were able to submit position papers to the Committee. AMCA Technical Advisor, Dan Markowski appeared and spoke in opposition to the bill, virtually.

A super thank you to all that stood up for science-based rationalization.

Special thanks to AMCA Technical Advisor Dan Markowski, AMCA Local Legislative and Regulatory subcommittee including Nina Dacko and our AMCA representative Michael Doyle and our VMCA BOD and membership. Additional thanks go out to VDACS, Office of Pesticide Services, the Virginia Agribusiness Council, the Virginia Farm Bureau, Matt Crabbe and his leadership in the Aviation Industry, Virginia Cooperative Extension and many others with common, but often unrecognized, interests.

Note: this should be a call to strengthening our relationships with the above-mentioned organizations and taking it upon ourselves to formulate ways, as an industry, to help increase collaboration and communication with the uniformed groups with well-intentioned but misguided objectives.

To learn more about the Virginia Legislative Information System (LIS) please visit LIS web site at <https://help.lis.virginia.gov/start/index.asp>

Please visit the VMCA Web Site for legislative updates and information.

<https://mosquito-va.org/legislative-news>

### HISTORY

1/5/2025 Senate Prefiled and ordered printed; Offered 01-08-2025 25102048D

1/5/2025 Senate Referred to Committee on Agriculture, Conservation and Natural Resources

1/14/2025 Senate Passed by indefinitely in Agriculture, Conservation and Natural Resources (12-Y 1-N)





## What You Need to Know about the 2025 Annual Meeting

### San Juan Puerto Rico

AMCA is thrilled to be heading to Puerto Rico for the AMCA's 91st Annual Meeting! The annual meeting will convene in San Juan, Puerto Rico from March 3rd to March 7th, 2025. Puerto Rico is a territory of the U.S. and it's at the forefront of the United States' ongoing battle to protect the public from invasive and expanding mosquito species and vector-borne disease threats.

Our annual meeting of public health and mosquito control professionals allows our membership to engage for a week of learning, collaboration, and networking. Next year is no exception. We look forward to seeing everyone!

### Meeting Location & Accommodations

The meeting headquarters will be at the San Juan Convention Center, a state-of-the-art facility offering spacious meeting rooms, exhibition halls, and convenient amenities.

We have secured discounted room blocks at two convenient hotels located directly at the Convention Center:

- **Sheraton Puerto Rico Resort:** Conveniently located across from the convention center, the Sheraton provides a full-service option as our host including a variety of restaurants. Rates starting at \$249 per night.
- **Aloft San Juan:** This modern hotel provides stylish accommodations, a vibrant atmosphere, and convenient access to the Convention Center. Rate at \$189 per night.

Booking information and a link to reserve your room will be provided later this year, no later than early fall. So check back soon.

### Why should you attend AMCA's annual meeting in Puerto Rico?

Each year our annual meeting has a program designed to highlight the various research, collaborations, and innovations impacting our programs throughout the US. Meeting in Puerto Rico will give our members a new perspective in the battle against mosquito-borne diseases. The island's warm, humid climate and abundant rainfall create ideal breeding grounds for a variety of mosquito species. In recent years, there have been local outbreaks of Dengue fever, Zika virus, and Chikungunya virus in this U.S. Territory.





Meeting in Puerto Rico provides a unique opportunity to:

- Discuss innovative solutions for mosquito control in a tropical environment. Attendees will have the chance to learn about the latest advancements in mosquito control methods and techniques that can be used to combat invasive Aedes as they expand their range throughout the continental U.S.
- Learn about the unique challenges faced by Puerto Rican vector control professionals. Through presentations and discussions, attendees will gain valuable insights into the specific challenges faced by mosquito control professionals working in Puerto Rico, such as limited resources, diverse terrain, and a high population density. In many ways these insights are applicable to many of our member's districts, as we all struggle to balance limited budgets and ever-changing mosquito and human population structures.
- Collaborate on research and development of new mosquito control methods. The meeting will foster collaboration between researchers, industry professionals, and public health officials to develop and implement new strategies for more effective mosquito control throughout the U.S. including many tropical regions.

## Traveling to Puerto Rico

San Juan is a major travel hub with Luis Muñoz Marín International Airport (SJU) offering numerous flights daily between the mainland U.S., Canada, the Caribbean, and Europe.

As a U.S. territory, Puerto Rico offers a convenient travel experience for U.S. citizens:

- **No Passport Needed:** Pack your standard-issued government ID and you're ready to go! Since Puerto Rico is a U.S. territory, U.S. citizens are not required to carry a passport.
- **Language:** Feel free to brush up on your Spanish, but it's not essential. Both English and Spanish are widely spoken throughout the island, so communication is easy.
- **U.S. Currency:** Leave your currency converter at home. The U.S. dollar is the official currency in Puerto Rico, so no need to exchange money.
- **Familiar Outlets:** No need for adapter plugs. The electrical outlets in Puerto Rico are the same standard as in the mainland U.S..

## Estimated Travel Costs

Travel costs will vary depending on your location and travel preferences. Here's a breakdown of some ballpark figures to help you budget:

- **Airfare:** Roundtrip flights from major U.S. cities to San Juan is consistent with other major cities from the U.S. and most locations will offer flights from \$200 to \$700, roundtrip.
- **Accommodations:** We have secured discounted rates at the conference hotels with rates as low as \$189 (see above) which offer a range of amenities and dining options to suit your needs.
- **Transportation:** San Juan has a good public transportation system, including buses and a light rail system. Additionally, taxis and ride-sharing services are readily available for convenient travel throughout the city.
- **Food:** San Juan offers a wide range of dining options, from budget-friendly local eateries serving delicious Puerto Rican cuisine to upscale restaurants featuring international dishes. You can find everything to suit your taste and budget.

**Registration rates increase on February 3, 2025.** Visit the AMCA Annual Meeting web page (<https://amca2025.eventscribe.net/>) to register, view the agenda, and more.



## WHAT'S THAT ANSWER

### “Keep Frosty on Ice!”

Chesapeake Mosquito Control Commission participated in their second year joining the Chesapeake Rotary Christmas Parade.



The giant mosquito model made its debut appearance in the 2023 parade, by pulling the CMCC Argo and Tire Christmas Tree. How could they possibly top that?

The float design this year matched the “Magic of Christmas” theme. CMCC teamed up with the magical snowman himself to remind everyone to, “Keep Frosty on Ice! Don’t let your yard become a mosquito wonderland.”



The melting snowman was turning into a breeding ground for mosquito larvae - specifically the new giant mosquito larva model. You can watch the 2024 Chesapeake Rotary Christmas Parade on the [City of Chesapeake YouTube channel](#).





## INVASIVE MOSQUITO SPECIES ID COURSE

MARCH 31 – APRIL 1, 2025  
Suffolk Virginia

Registration Opens  
January 28 at 8am  
for VMCA Members

- Free Registration
- Seating is limited
  - Only 1 or 2 students per organization
- More details can be found at <https://mosquito-va.org/invasive-species-course>

### Course Topics Will Include

- Invasive mosquito species identification
  - 15 invasive species
  - Adult and some larvae
- Mounting and preservation of specimens
- Operational Integrated Mosquito Management
- .... and more





# UPDATES FROM THE NEVBD TEACHING & EVALUATION CENTER

## 2025 NEVBD Summer Undergraduate Internship Program

**Applications for the NEVBD Summer Undergraduate Internship Program open on Tuesday January 21, 2025.** Within this program, undergraduate students from regional community colleges and universities are paired with vector surveillance and control units across the Northeast for a period of 10 weeks. All interns are supported with a stipend through NEVBD-TEC via Cornell University.

For 2025, students can apply to work with vector surveillance and control professionals in Connecticut, Delaware, Massachusetts, Maryland, New Jersey, New York, Pennsylvania, and Virginia; full descriptions are available [here](#).

Interested undergraduate students should apply by February 21 for consideration. Visit <https://www.neregionalvectorcenter.com/internships.php> to learn more!

## 2025 Vector Biology Boot Camp

**Applications for the 2025 Vector Biology Boot Camp open on Monday February 3, 2025.** This no-cost program provides hands-on training in tick and mosquito biology, behavior, ecology, taxonomy, and more.

Ideal program applicants include non-academic professionals whose job duties specifically involve vector surveillance and/or control. They should have limited experience in key components of tick or mosquito surveillance and/or control.

Applications are required. Lodging and meals provided. Attendees responsible for own travel; assistance may be available on an individual basis.

**WHEN:** Wednesday May 28 – Friday May 30, 2025

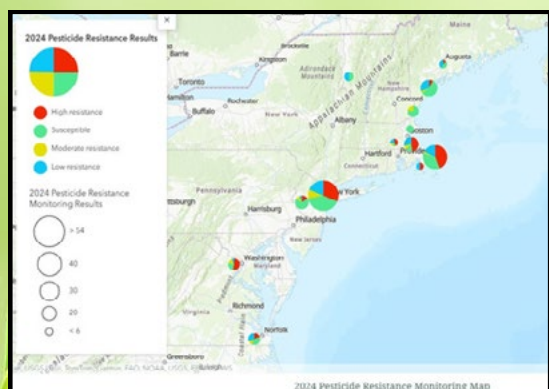
**WHERE:** Cornell University Campus, Ithaca, New York 14853

**HOW TO APPLY:** Apply by March 1, 2025. There is no fee to apply or register.

You can access the application form at <https://bit.ly/2025-VBBC-Apply> or visit our Vector Biology Boot Camp website at <https://www.neregionalvectorcenter.com/vector-biology-boot-camp>



## Pesticide Resistance Monitoring Program Updates



### Results from the 2024 Season

In the summer of 2024, the NEVBD-TEC Pesticide Resistance Monitoring Program received and tested a record number of mosquito submissions from regional mosquito control agencies. From June to September, we received 40,561 mosquito specimens from 19 agencies across 7 states. Species tested this year included *Culex pipiens*, *Culex restuans*, *Aedes albopictus*, and *Culiseta melanura*. Complete 2024 results for the Northeast can be viewed using our [interactive map](https://www.neregionalvectorcenter.com/resistance) at [neregionalvectorcenter.com/resistance](https://www.neregionalvectorcenter.com/resistance)

*Continued on next page...*



# UPDATES FROM THE NEVBD TEACHING & EVALUATION CENTER

## Pesticide Resistance Monitoring Program Updates

### Results from the 2024 Season continued...

Our team performed adult mosquito assays for sumithrin, etofenprox, and malathion, among other active ingredients. We continue to see widespread but patchy pyrethroid resistance in *Cx. pipiens*. We did not find resistance in any *Ae. albopictus* adults tested. We performed larval assays with *Bti*, Methoprene, and *L. sphaericus*. We again observed widespread low-level methoprene resistance in *Cx. pipiens*. To date, we have not detected resistance to *Bti* or *L. sphaericus* in the region. A subset of adult mosquitoes from each summer submission was reserved for enzyme activity testing. These samples were processed and analyzed with microplate resistance enzyme assays throughout the fall and early winter. Final enzyme assay results will be shared with submitters in February 2025.

This was our fourth year testing *Cx. pipiens* and *Cx. restuans* collected at the same time and location in parallel. To date, CDC bottle bioassay diagnostic times have not been developed for *Cx. restuans*, so these assays are informative only in comparison to *Cx. pipiens* results. In these paired assays, we continued to observe higher mortality in *Cx. restuans* than *Cx. pipiens* at diagnostic times.

Work is underway to develop topical assay susceptibility curves to common active ingredients used for *Cs. melanura* control. In 2024, we tested field-collected *Cs. melanura* from two locations (Cape Cod, MA and Voluntown, CT) using the permethrin LC99 we have developed for a susceptible colony. Both locations appeared fully susceptible, with 100% mortality at the diagnostic dose.



Topical assays performed in laboratory

### Plans for the 2025 Season

Updates about the 2025 submission season will be shared via email and on our website in the coming months. This year, we will be scheduling one-on-one pre-season meetings with agencies that plan to submit mosquitoes for resistance testing who wish to review the process. As always, we will make mosquito collection and submission supplies available to submitters; these can be ordered via our pre-season registration form, which will open mid-spring and will be linked on our [website](#). To receive updates about the Pesticide Resistance Monitoring Program, please [sign up for our mailing list](#).

Submitted by: Emily Mader  
NEVBD Program Manager

## SUBMISSIONS WANTED!

WE'RE EXCITED TO INVITE SUBMISSIONS FOR THE SKEETER! DO YOU HAVE A STUNNING SNAPSHOT, INNOVATIVE RESEARCH, OR A QUIRKY ARTICLE THAT MADE YOU SMILE? WE WANT TO HIGHLIGHT YOU! YOUR INCREDIBLE CONTRIBUTIONS ARE WHAT MAKE THIS NEWSLETTER SPECIAL, AND WITHOUT YOUR INPUT, WE'D MERELY BE AN EMPTY PAGE!

## SUBMISSIONS WANTED!

CLICK HERE TO SUBMIT  
YOUR IDEAS

OK

Submitted by: Kaitlyn Price  
Information Committee Chair



## HISTORICAL FLASHBACK

# EIGHT DECADES OF THE SKEETER PART IV

*presented by the  
Historical Committee*

When I started on this project I was going by just the Skeeter issues corresponding to the date I was publishing on, which gave me a snapshot of each decade but not the full picture. I kept meaning to take a look at the whole archive, but the season kept me pretty busy. Now that it's winter I've had a chance to look at the whole thing, and it's given me a better idea of the changes the paper went through over the years. The last entry in particular has a few assumptions I made that I don't think are right. C'est la vie! I've tried to correct them here in a little catchup before I get into the rest of the lookback.

Also, I'll be doing a talk in a few weeks at the joint VMCA/MAMCA conference about the MCWA-era Skeeter of the mid 1940s. So, if you found that period as interesting as I did, there's something to look forward to.

A final sad bit of business: after I'd written the majority of this piece I found that Tom Gallagher passed away last month. He was editor of the Skeeter for many years and twice the VMCA's president. We hope to run a proper commemoration next issue, but since he's featured in this article I felt remiss not mentioning it.

- Alex Riley, Historical Committee

## THE NEW MILLENNIUM

### VIRGINIA MOSQUITO CONTROL ASSOCIATION

Greetings from Virginia!

The Virginia Mosquito Control Association is a nonprofit organization founded in 1947. The VMCA consists of individuals and organizations dedicated to the control of mosquitoes and to help prevent diseases.

#### Our Mission

Mosquitoes are not just a nuisance, but a major threat to public health and welfare through the diseases that they carry. Thus, the VMCA's mission is to advance the cause of responsible mosquito control.

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

[Table of contents](#)

Feedback: You can make comments, suggestions or ask questions by email through [vmca@mosquito-va.org](mailto:vmca@mosquito-va.org)

[vmca@mosquito-va.org](mailto:vmca@mosquito-va.org)

The internet was still in its infancy in the 1990s, and it had already radically changed how media was propagated and consumed. By the year 2000 only about half of the country was online; by 2010, this had jumped to three quarters. Over the following decade smartphones would shift the Internet from a place *on the computer* to *in your hand*, and by 2020 almost all of America was online.

In 1998 the VMCA debuted its website, proudly advertised in the pages of *The Skeeter*. Select pages were published on that early web page, allowing readers to experience the newsletter, for the first time, in full color—albeit at the speed of a 56k modem. Just seven years later the spread of broadband internet access saw entire issues uploaded for the first time.

ABOVE: The VMCA's web page as it appeared in 1999. From [archive.org](http://archive.org).



## PREVIOUSLY ON THE SKEETER

R. E. Dorer himself—namesake of the VMCA's award and longtime dean of Virginia's mosquito control community—appears to have stewarded *The Skeeter* from its relaunch as the VMCA's official newsletter in 1947, though further research is needed to verify this. In 1978 he was in a serious car wreck and retired from public life. From 1980 on *The Skeeter* seems to have been adrift: our archive only has records of 24 issues for the ensuing decade. (This is why there was no issue for the fall of '84 to present in the last flashback.)

In the early 90s the *Skeeter* was revived by York County's Jim Rindfleisch, who would soon be joined by fellow York County biologist Tom Gallagher. Together they revived the *Skeeter* as a quarterly publication, now published tabloid-style (meaning on single sheets of 11x17 paper, folded like a folio). Jim and Tom's *Skeeter* kept up the freewheeling, informal feel of the previous decades, turning to the nascent Internet for syndicated news reports and cartoons which were published alongside original reporting, VMCA news and reader submissions.

Volume XXIII

January -

### ORGANIZATIONAL PANDEMONIUM OR

#### WHY NO SKEETER FOR NEARLY A YEAR

Going on the assumption that any excuse is better than no excuse and bearing in mind the adage "when it rains, it pours," the following is submitted as an explanation for the *Skeeter's* tardiness:

1) In October 1977, Mr. R. E. Dorer, editor and guiding light of the *Skeeter*, was in a serious automobile accident.

ABOVE: Vol 23 No 1. BOTTOM LEFT: The cover to Vol 64 No 4.

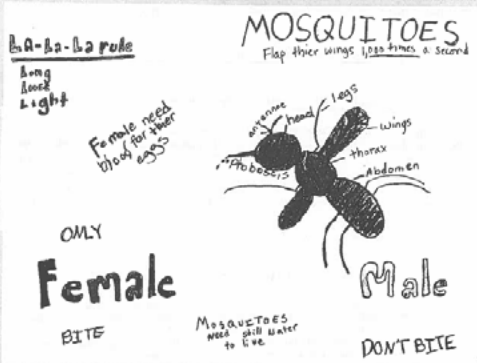
BOTTOM RIGHT: Tom Gallagher and the lucky winner.

## VOL 64 NO 4: DECEMBER 2004

By December of 2004 the Gallagher-Rindfleisch era was winding down. The issue of that quarter was shorter than many, though still a respectable 15 pages. The majority of it was given over to West Nile and EEE reports and meeting minutes; the highlight was the young winner of a poster contest, who'll be able to cash in her savings bond prize in another ten years. (Maybe we'll reach out to her in 2034 for a special commemorative Flashback and see what she spent it on.) This issue also had a timeline-style lookback at "The 'Skeeter' [of] Yesteryear," underscoring how dipping into the archives has always been a reliable source of last-minute content.

## The Skeeter

Newsletter of the Virginia Mosquito Control Association Vol 64 No.4 December 2004



### In This Issue:

Virginia Arboviral Update  
Category 8 recertification - programs, directions, and forms  
The Mosquito Invitational - VMCA's First Annual Golf Tournament  
Annual Meeting Pre-registration form, MAMCA update, and more...

"MERRY CHRISTMAS and a HAPPY NEW YEAR"

-From the Skeeter-

### VMCA's SPONSORED SCHOOL SAVINGS BOND PROGRAM

Each year the VMCA offers a \$50 savings bond for mosquito control agencies who are involved with school student mosquito projects and want to recognize a deserving student with a bond. If interested contact the VMCA Sec/Treas as to the proper procedure for the purchased bond compensation.

This year York County and Chesapeake participated in the program by being involved with school presentations and bestowing a \$50 savings bond to a student.



AND THE WINNER IS...  
Waller Mill Elementary third-grader Casey Morrison was awarded first place in the 2004 Virginia Mosquito Control Association poster contest. The first-place prize was a \$50 savings bond. Pictured is Morrison with Tom Gallagher of York's Mosquito Control.



# VOL 75 NO 1: JANUARY 2015

In March of 2005, *The Skeeter* changed hands again, with George Wojcik taking over as chair of the Information Committee. Under his guidance the newsletter completed its transformation into an electronic publication: by the end of that year it was primarily distributed as a tidy, searchable PDF file (though physical copies would still be mailed out for a little while).

George would step back from the chair a few years later into a more advisory role, leaving Henrico's Jennifer Welch and Olivia Hall and then Radford University's Justin Anderson to steer the paper. The ensuing decade saw the *Skeeter* transform gradually into the format we still stick with today, exemplified by the January issue of 2015. It's much more focused on VMCA business than earlier iterations: bylaw changes, meeting announcements, and contact information alongside county reports and other updates, spiced with recurring features such as "What's That?", which was introduced by Justin in April of 2011.

"What's That?" has appeared in nearly every issue since then, and the edition in this issue is so relatably last-minute that I had to include it:

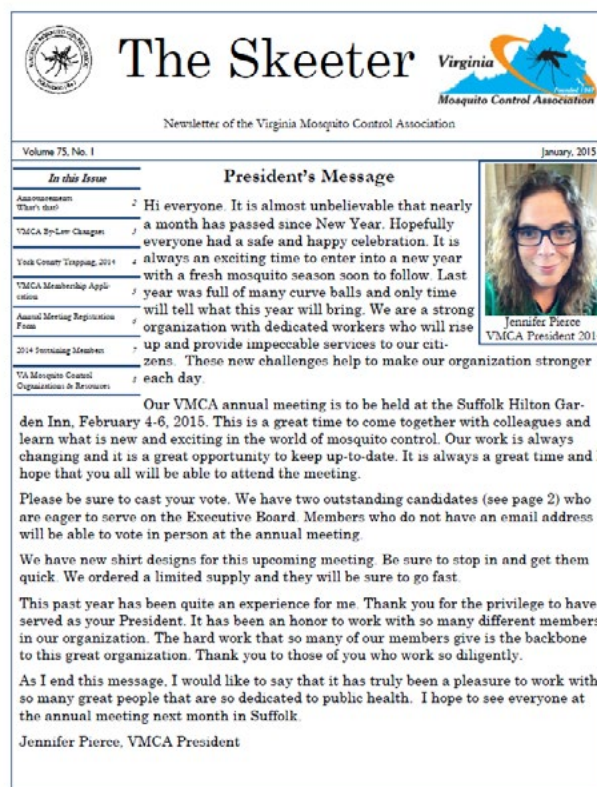


## What's That? Answer

That is Japan, Tokyo specific

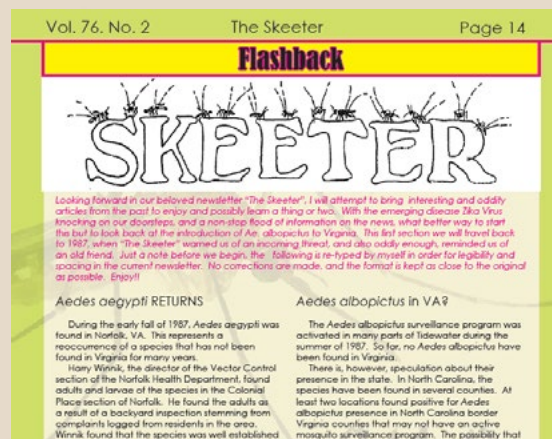
(Apologies to whoever submitted this—believe me, I feel you!)

TOP RIGHT: Vol 75 No 1. ABOVE: A mendaciously cropped screengrab of that issue's "What's That." RIGHT: Vol 76 No 2's Flashback.



In 2016 Suffolk's Karen Akaratovic took *The Skeeter's* reigns and brought some much needed color to its traditionally black and white pages, and though this was almost ten years ago(!) it brings us, more or less, to today. Prince William County's Rachel Kempf (now with Fairfax) introduced a glossy magazine-style cover in 2018, but *The Skeeter* hasn't changed much since then otherwise—with one very important exception.

Though (as we've seen) *The Skeeter's* writers have always taken time to look back, 2016 also debuted the very first edition of the History Flashback, presented by Tim DuBois (then of Hampton), the Historical Committee's chair:





## WHY THE SKEETER?

The August-September 1979 issue of *The Skeeter* was mailed to 413 different addresses across 26 states and 4 foreign countries. Today, email reminders are sent to maybe a quarter that number. Twenty years into the modern internet, many of the the functions the Skeeter used to provide have been made redundant by modern telecommunications. Email, social media, group chats: keeping in touch is simple, and "print" doesn't hold the sense of mystique that it used to. Anyone can start their own blog or newsletter on a dozen different platforms. There's a cute entry in one of the Skeeters from the 70s or 80s written by a technician, who says his kids wanted to see their dad's name in print. There was a sort of mystique in the printed word that doesn't quite carry over to the electronic version.

So why the *Skeeter*, still? Obviously we all enjoy making it, and it's still a very useful way to gather & distribute information to the VMCA's membership. But there's one aspect that I think is invaluable about it that I keep thinking about as I comb through the archives for this article series: it's a place to preserve information for the future.

Just a decade ago it was taken for granted that the Internet is forever, but in fact information held online is shockingly ephemeral, and increasingly difficult to archive. Hyperlinks rot as URLs are shuffled around; hosts go bankrupt and shut down their servers; even the venerable Internet Archive has come under threat of lawsuits in the last few years. On top of all this, the rise of generative AI this decade has resulted in a torrent of slop that's inundating search engines with useless noise—and these search engines themselves, already crippled by SEO and advertising, are embracing these hallucinatory language models and making digging through all the garbage more difficult than ever.

*The Skeeter*, on the other hand, is archived both electronically and on paper: whatever the state of the Internet in ten or twenty or forty years, all of that information, all of that *history* will still be sitting intact and inviolate in our archives for as long as the VMCA exists—and even, possibly, beyond.

And it's not just the institutional or organi-

zational knowledge that I've found so fascinating: just as interesting to me is the way that the close-knit community of Virginia mosquito control responds, often obliquely but sometimes very directly, to the changing world around it. Flip to an issue in the early 70s and you'll find a piece on Norfolk hiring women as inspectors for the first time; flip to the issue from the end of 2001 for fevered speculation that WNV could be an Iraqi bioweapon.

In that vein...

## TOMORROW, AND TOMORROW, AND TOMORROW

The sole 1978 issue of *The Skeeter* features a column by Bill Robinson. In it he expresses anxiety about the state of public health in America, and talks about how he feels he's living in "a time of indifference, a time of increasing self-interest;" collective long-term goals, he laments, have fallen away in favor of "a much stronger interest in personal gain." He also opens the column with a joke about inflation. This was 48 years ago.

It's a comfort, in a way, to look back on someone grappling with worries similar to those someone might have now. I write this on January 22, and I think it's fair to say things are bleaker than they were even during that late-70s era of malaise. I'm not comfortable being as openly political as my forebears sometimes were, but I don't think it will be hard for readers (or future archivists ) to piece together what I'm talking about.

What I will say is this: the last eighty years have seen progress both social and technological unlike almost any other period in human history. It's made it tempting to see this as inevitable. I think history shows us otherwise. Progress breeds reaction. We seem to be in a period as reactionary as any in the last century. It's less clear than ever what tomorrow brings.

Whatever happens, though: *The Skeeter* will be there.

*Politics is a bummer, but this project was fun. I'm not sure what's up next. Thanks for sticking with me!*  
— Alex



# 2024/2025 SUSTAINING MEMBERS

The VMCA gratefully acknowledges the support of the following sustaining members for 2024/2025. 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!



## Amguard Environmental Technologies

Derek Wright  
(941) 737-9883  
derekw@amvac.com



## Clarke

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



## Azelis

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## Veseris

Steve Artman



## Vectech

Tristan Ford  
(408) 438-7733  
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# JURISDICTIONS, ORGANIZATIONS, AND RESOURCES

## VIRGINIA MOSQUITO CONTROL JURISDICTIONS

- [Alexandria Health Department](#)
- [Boykins, Town of](#)
- [Chesapeake Mosquito Control Commission](#)
- [Chincoteague Mosquito Control](#)
- [Fairfax County Health Department](#)
- [Gloucester County Mosquito Control](#)
- [Hampton Environmental Sciences](#)
- [Henrico County](#)
- [Joint Base Langley-Eustis](#)
- [Newport News Vector Control](#)
- [Norfolk Vector Control](#)
- [Poquoson Mosquito and Drainage](#)
- [Portsmouth Mosquito Control](#)
- [Prince William County Mosquito & Forest Pest Management](#)
- [Suffolk Mosquito Control](#)
- [Virginia Beach Mosquito Control](#)
- [Williamsburg Public Works](#)
- [York County Mosquito Control](#)

## NEIGHBORING, REGIONAL, & NATIONAL MOSQUITO CONTROL ORGANIZATIONS

- [American Mosquito Control Association](#)
- [Mid-Atlantic Mosquito Control Association](#)
- [Delaware Department of Natural Resources and Environmental Control](#)
- [Maryland Department of Agriculture](#)
- [New Jersey Mosquito Control Association](#)
- [North Carolina Mosquito and Vector Control Association](#)
- [Northeastern Mosquito Control Association](#)
- [South Carolina Mosquito Control Association](#)
- [Georgia Mosquito Control Association](#)
- [Florida Mosquito Control Association](#)

## OTHER RESOURCES

- [Virginia Department of Health](#)
- [Centers for Disease Control & Prevention](#)
- [Fairfax County Education and Outreach Materials](#)
- [Northeast Regional Center for Excellence in Vector-borne Diseases](#)
- [VMCA Employment Opportunities](#)
- [AMCA Career Center](#)

**Know of another jurisdiction or resource to add?**

**Please submit them to the [Editor](#)**



# 2024 VMCA COMMITTEES

Committee Name	Chairperson	Current Members
Annual Meeting - Hospitality Room	Carol LaLiberte <a href="mailto:lalibertec@portsmouthva.gov">lalibertec@portsmouthva.gov</a>	
Annual Meeting - Local Arrangements	Charles Abadam <a href="mailto:cabadam@suffolkva.us">cabadam@suffolkva.us</a>	Joshua Snyder, Joshua Smith, Carol LaLiberte, Jay Kiser, Tim DuBois, Katherine Reutt
Annual Meeting - Program	Lauren Lochstampfor <a href="mailto:lauren.lochstampfor@fairfaxcounty.gov">lauren.lochstampfor@fairfaxcounty.gov</a>	Joshua Smith, Katherine Reutt
Annual Meeting - Vendor Planning	Steve Molnar <a href="mailto:steve.molnar@target-specialty.com">steve.molnar@target-specialty.com</a>	Addie Weddle, Janice Pulver
Audit	Penny Smelser <a href="mailto:penelope.Smelser@norfolk.gov">penelope.Smelser@norfolk.gov</a>	Amber Rymer, Joshua Snyder
Bylaws	Jay Kiser <a href="mailto:jkiser@suffolkva.us">jkiser@suffolkva.us</a>	Charles Abadam, George Wojcik, Josh Smith
Curations & Preservation	Wes Robertson <a href="mailto:rob106@henrico.us">rob106@henrico.us</a>	Lauren Lochstampfor, Ciro Monaco, Gina Serge
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Information	Kaitlyn Price <a href="mailto:kcprice@vbgov.com">kcprice@vbgov.com</a>	Tim DuBois, Jay Kiser, Katherine Reutt, Alex Riley, Wes Robertson, Gina Serge, Addie Weddle
Legislative	Randy Buchanan <a href="mailto:buc06@henrico.us">buc06@henrico.us</a>	Katherine Reutt, Stacie Blackwell
Membership	Katherine Reutt	Jay Kiser
Merchandise	Penelope Smelser	Tilde Hoff, Rachel Kempf, Lauren Lochstampfor, Katherine Reutt, Alex Riley, Lisa Wagenbrenner
Nominating	Carla Caulkins <a href="mailto:ccaulkins@cityofchesapeake.net">ccaulkins@cityofchesapeake.net</a>	Tim DuBois
Photo Contest	Wes Robertson	Gina Serge, Janice Pulver, Rachel Kempf
Photography	Gina Serge <a href="mailto:ser089@henrico.us">ser089@henrico.us</a>	Janice Pulver, TJ Carner, Carla Caulkins
Public Relations	Katherine Reutt	Penny Smelser
Special Awards	Jennifer Barritt <a href="mailto:jbarritt@vbgov.com">jbarritt@vbgov.com</a>	LaToya White
Student Competition	Jay Kiser	Ann Herring, Alex Cumbie, Tim DuBois, Wes Robertson, Ciro Monaco, Kaitlyn Price
Technical Support	Charles Abadam	Janice Pulver
Website	Wes Robertson	

**THE SKEETER**

OFFICIAL NEWSLETTER OF THE  
VIRGINIA MOSQUITO CONTROL  
ASSOCIATION

**Skeeter Production Team****Committee Chair/  
Newsletter Contact**

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**Jay Kiser**  
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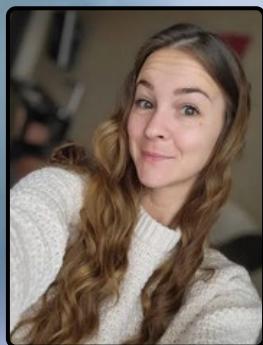
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**2024 VMCA EXECUTIVE BOARD**

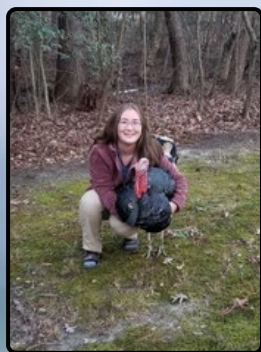
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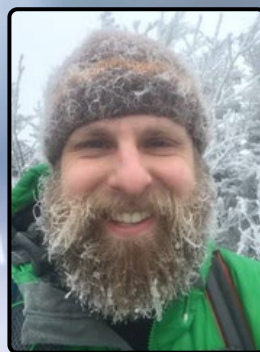
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