

**PROGRAM**  
**69<sup>th</sup> Annual Meeting**  
Northeastern Mosquito Control Association  
December 4-6, 2023  
Hilton Mystic, Mystic CT

**Sunday, December 3, 2023**

3:00 PM – 7:00 PM	Exhibitor's Set-up	Clipper
5:30 PM	Audit Committee Meeting	Soundings
6:00 PM	Executive Board meeting	Soundings

**Monday, December 4, 2023**

8:00 AM	Registration table, exhibitor set up/ booths open	Prefunction Hallway
<b>First Session</b>	<b>Moderator: Charles Lubelczyk</b>	<b>Schooner</b>

9:00 AM    **Welcome address**  
Patrick McCormack – Dir. of Health at Uncas Health District, New London County. Connecticut

9:20 AM    **Presidential Address**  
Charles Lubelczyk – President NMCA

9:35 AM    **In Memoriam to William Zawicki**  
Jeff Hottenstein and Wally Terrill – Clarke Mosquito Control Products

10:00 AM	Coffee Break	Clipper
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<b>Second Session</b>	<b>Moderator: Patti Casey</b>	<b>Schooner</b>
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10:30 AM    **AMCA Update**  
Priscilla Matton – AMCA North Atlantic Regional Director

10:45 AM    **Massachusetts Arbovirus Season 2023**  
Matthew Osborne – MA Department of Public Health

11:05 AM    **New Jersey Regional Report**  
Autumn Angelus and Scott Crans - NJ State Mosquito Control Commission, NJDEP Fish and Wildlife Office of Mosquito Control Coordination

11:20 AM

**Arbovirus Activity in Connecticut, 2023**

John Shepard, Tanya Petruff, Angela Bransfield, Michael Misencik, Andrea Gloria-Soria, and Philip Armstrong - The Connecticut Agricultural Experiment Station

11:40 AM **Rhode Island 2023 Report**  
Miranda Fuller and Alex Ahlquist - RI Department of Environmental Management

12:00 PM Lunch (on your own)

**Third Session** Moderator: **Tadhgh Rainey** Schooner

1:30 PM **Maine 2023 Report**  
Haris Sohail, Charles Lubelczyk and Hillary Peterson – Maine Centers for Disease Control and MaineHealth Institute of Research

1:45 PM **2023 Arbovirus and Surveillance in Vermont**  
Patti Casey and Eliza Doncaster - Vermont Agency of Agriculture, Food and Markets

2:00 PM **New Hampshire 2023 Report**  
Marco Notarangelo – New Hampshire Dept. of Health and Human Services

2:15 PM **Pennsylvania State Update**  
Maddie Metzger – Department of Environmental Protection

2:35 PM **Evaluating the Capacity of Vector Control Agencies to Implement Public Health Tick Management Programs in the United States**  
James C. Burtis, Erik Foster, Lars Eisen, Rebecca J. Eisen - Centers for Disease Control and Prevention, Division of Vector-Borne Diseases

3:00 PM Coffee Break Clipper

**Fourth Session** Moderator: **Matthew McPhee** Schooner

3:15 PM **Pesticide Environmental Stewardship Program Partnership Update**  
Gabrielle Sakolsky – Cape Cod MCP

3:30 PM **Programing and Research Updates from the Northeast Regional Center for Excellence in Vector-Borne Diseases**  
Emily M. Mader, Lindsay Baxter, Elisabeth Martin, Aine Lehane, Nia Clements, Laura C. Harrington

4:00 PM **Evaluation of New Trapping Sites Established after the EEE Outbreak of 2019**

Tanya Petruff, Philip Armstrong and John Shepard - The Connecticut Agricultural Experiment Station  
 4:20 PM **PFAS and Implications for Vector Management in Maine**  
 Charles Lubelczyk - MaineHealth Institute for Research  
 5:00 PM NMCA Business Meeting Schooner  
 6:30 PM President's Reception Cutter  
 NMCA Scholarships and Awards

**Tuesday, December 5, 2023**

7:30 AM Young Professionals Sponsored Breakfast - The Irons  
 invitation only  
 8:00 AM Registration Table Open Prefunction  
 Hallway  
 Exhibit Booths Open Clipper

**Fifth Session:**  
**Mosquitoes and Moderator: Douglas Bidlack Schooner**  
**climate change**

9:00 AM **Observations on how climate change is impacting the mosquitoes of Massachusetts**  
Douglas Bidlack and Ellen Bidlack – East Middlesex MCP and Plymouth County MCP

9:20 AM **How species composition of mosquitoes is changing in New Jersey**  
Tadhgh Rainey and Mike Senyk - Hunterdon County Mosquito and Vector Control and Ocean County Mosquito Commission

9:35 AM **A flood of mosquitoes: recent changes in floodplain mosquito population outbreaks in Norfolk County, MA**  
Kaitlyn O'Donnell – Norfolk County MCP

9:50 AM Questions and Discussion

10:00 AM Coffee Break Clipper

**Sixth Session Moderator: Kaitlyn O'Donnell Schooner**

10:30 AM **Pesticide Resistance in Culex mosquitoes – Maine, 2023**  
Elizabeth Schneider, Molly Meagher, Rebecca Robich, - MaineHealth Institute for Research

10:45 AM **Genomic approaches to better understand insecticide resistance in *Culex pipiens***

	<u>David Giesbrecht</u> , Skylar Arent, Tanya Petruff, Rachel Pellegrini, John Shepard and Andrea Gloria-Soria - The CT Agricultural Experiment Station and Albertus Magnus College	
11:00 AM	<b>IDX - An A.I. based Imaging and Identification Tool for Diverse Vector Identification</b>	
	<u>Roy Faiman</u> , Autumn Goodwin, Jewell Brey, Sanket Padmanabhan, Ghnana Madineni, Thomas Jenkins, Sameerah Talafha, Jaykob Cave-Stevens, Tristan Ford - Vectech Inc.	
11:15 AM	<b>Genomic Surveillance of Eastern Equine Encephalitis in the Northeast – <u>Aaron Hentoff</u> – MA Department of Public Health</b>	
11:30 AM	<b>A day in the Life of a Service Request</b>	
	<u>Chad Minter</u> - Frontier Precision	
11:45 AM	Questions and discussion	
12:00 PM	Vendors Luncheon	Clipper

**Seventh Session:**

**Jamestown Canyon Virus**

**Moderator: John Shepard**

**Schooner**

1:30 PM	<b>An Overview of Jamestown Canyon Virus: Epidemiology and Ecology of an Emerging Arbovirus</b>	
	<u>Philip Armstrong</u> and John J. Shepard – The Connecticut Agricultural Experiment Station	
1:45 PM	<b>Jamestown Canyon Virus: Key Mosquito Species in the Northeast</b>	
	<u>John Shepard</u> , Tanya Petruff, Angela Bransfield, Michael Misencik, Andrea Gloria-Soria, and Philip Armstrong - The Connecticut Agricultural Experiment Station	
2:00 PM	<b>An Overview of JCV Surveillance in New Jersey, 2019 - 2023</b>	
	<u>Scott Crans</u> - NJ State Mosquito Control Commission, NJDEP Fish and Wildlife Office of Mosquito Control Coordination	
2:15 PM	<b>Jamestown Canyon Virus Update – Maine, USA</b>	
	<u>Charles Lubelczyk</u> , and Elizabeth Schneider – MaineHealth Institute for Research	
2:30 PM	<b>Prevalence of Jamestown Canyon Virus Antibodies in Hunter-Harvested Deer, New Hampshire 2021</b>	
	<u>Marco Notarangelo</u> , Rebecca Lovell, Denise Bolton, Abigail Mathewson - New Hampshire Dept. of Health and Human Services	

2:45 PM **JCV Vector Ecology in a focus of human transmission in New Hampshire**  
Joseph D. Poggi, Colin Conery, Abigail Mathewson, Denise Bolton, Rebecca Lovell, Laura C. Harrington, Marco Notarangelo – Northeast Center for Excellence in Vector-Borne Disease, New Hampshire Department of Health and Human Services

3:00 PM Coffee Break Clipper

**Eighth Session Moderator: Ellen Bidlack Schooner**

3:30 PM **A Moving Target; Spring Larval Control in Berkshire County MA**

Christopher Horton – Berkshire County MCP

3:45 PM Questions and Discussion about JCV

4:00 PM **AMCA Legislative Update**

Dan Markowski – AMCA

4:15 PM **Hyperparasitism, polymelia and other oddities and anomalies in hard ticks, Maine and New Hampshire**

Molly Meagher – MaineHealth Institute for Research, Vector-borne Disease Laboratory

4:30 PM Poster Session Prefunction Hallway

P-1 **Saltmarsh Ditching: History Deep in a Vernacular Landscape**  
Ethan Berriault and Roger Wolf - CT Dept. of Energy and Environmental Protection, Wetland Habitat and Mosquito Management Program

P-2 **Integrated Marsh Management in Connecticut**  
Roger Wolfe - CT Dept. of Energy and Environmental Protection, Wetland Habitat and Mosquito Management Program

6:30 PM Silent Auction/Reception Clipper

7:30 PM NMCA Banquet - ticket required Schooner

### **Wednesday, December 6, 2023**

8:00 AM Exhibit Booths Open Clipper

**Ninth Session: Moderator: Todd Duval Schooner**

9:00 AM **Great Meadows Marsh Restoration Project**

Jack Matthias – Audubon Connecticut

9:15 AM **Wolbachia incompatible males for control of *Aedes aegypti***

Jacob E. Crawford – Verily Life Sciences

9:30 AM **Leveraging Entomological Technical Assistance (Central Life Sciences)**

Tony H. Hughes PhD – Central Life Sciences

9:45 AM **Saltmarsh Mosquitoes in Maine**

Gary Jensen and Michael Morrison– SWAMP Inc.

10:00 AM Coffee Break

Prefunction  
Hallway

**Tenth Session**

**Moderator: Roger Wolfe**

**Schooner**

10:30 AM **ReMoa Tri - Novel Modes of Action in Action**

Leanne Lake – Valent BioSciences

10:45 AM **Sex Differentiation Across Genera via Sexual Dimorphism in Pupae**

Nathan Morales – MA Department of Public Health

11:00 AM **The history of Mosquito Control in Connecticut**

Roger Wolfe - CT Dept. of Energy and Environmental Protection, Wetland Habitat and Mosquito Management Program

11:30 AM **Closing Remarks** Charles Lubelczyk – NMCA President