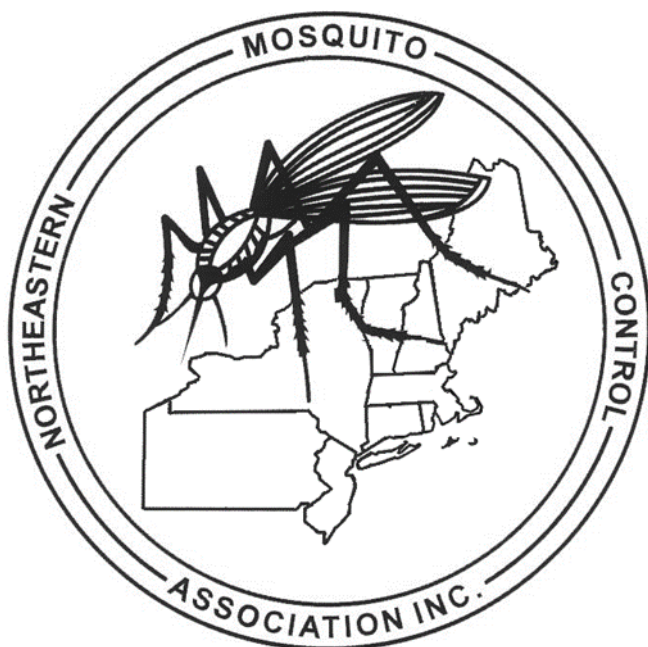


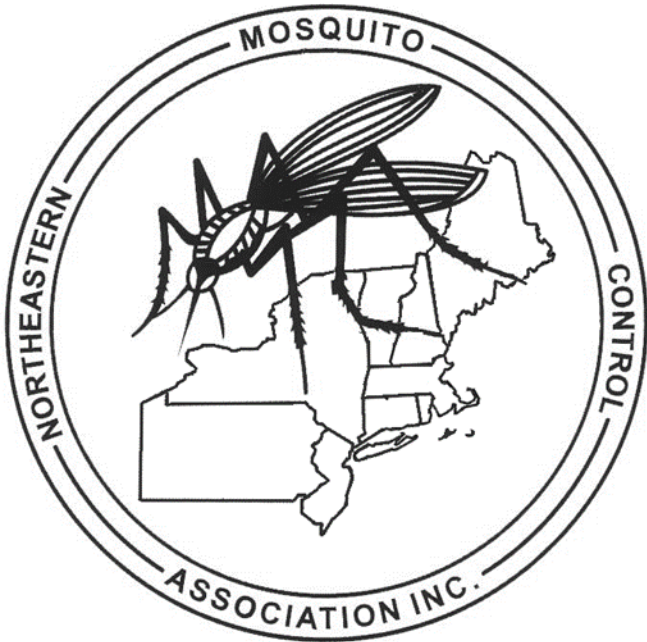
# **NORTHEASTERN MOSQUITO CONTROL ASSOCIATION, INC.**

*68th Annual Meeting*



**DECEMBER 5-7, 2022  
Cape Codder Resort and Spa  
Hyannis, MA**

Welcome to Hyannis NMCA members and  
friends



**WWW.NMCA.ORG INFO@NMCA.ORG**

**AMCA SUSTAINING MEMBER  
PESP PARTNER SINCE 2002**

*PO BOX 6522 HAMDEN, CT 06517*

# NORTHEASTERN MOSQUITO CONTROL ASSOCIATION, INC.

## The 2022 NMCA Executive Board:

### Officers

President:	Dave Lawson	MA
Vice President:	Chuck Lubelczyk	ME
2 <sup>nd</sup> Vice President:	Ellen Bidlack	MA
Secretary:	Priscilla Matton	MA
Treasurer:	John Shepard	CT

### Directors

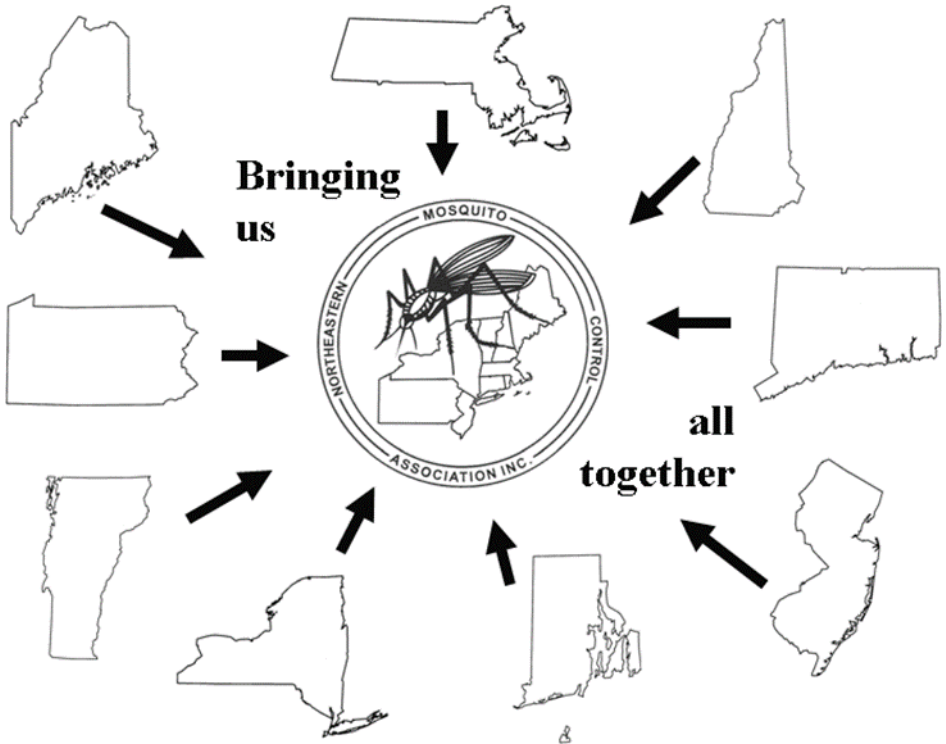
1 <sup>st</sup> Year Board Member:	Brian Farless	MA
2 <sup>nd</sup> Year Board Member:	Vicki Thompson	NJ
3 <sup>rd</sup> Year Board Member:	Frank Cornine III	MA
Industry Representative:	Ted Bean	PA/Northeast
Communications Director:	Nate Boonisar	MA
Past President:	Chris Horton	MA
Exhibits Coordinators	Caitie Barrett	MA

## NMCA HONORARY ASSOCIATION MEMBERS

Richard O. Hayes	Broomfield, CO
Malcolm C. Henry	Orr's Island, ME
Dr. Ernest Ruber	Mashpee, MA
Dr. Wayne J. Crans	Glen Gardner, NJ
Raymond Zucker	Scituate, MA
David Boyes	Barrington, RI
Walter Montgomery	Rockport, MA
James "Jake" Jurgenson	W. Springfield, MA
John J. Smith	Plainville, MA
Robert Kent	N. Brunswick, NJ
Paul Capotosto	Largo, FL
Sarah MacGregor	Stratham, NH
Norman R. Dobson	Peabody, MA
Bill Zawicki	Selbyville, NJ
Theodore Andreadis	New Haven, CT
Wally Terrill	Otis, MA

# ***NORTHEASTERN MOSQUITO CONTROL ASSOCIATION***

***\*MOSQUITO CONTROL FOR HELATH AND COMFORT\****



**IT'S YOUR ASSOCIATION - GET INVOLVED!!**

**VISIT US ON THE WEB AT  
[WWW.NMCA.ORG](http://WWW.NMCA.ORG)**

# EVENTS AT A GLANCE

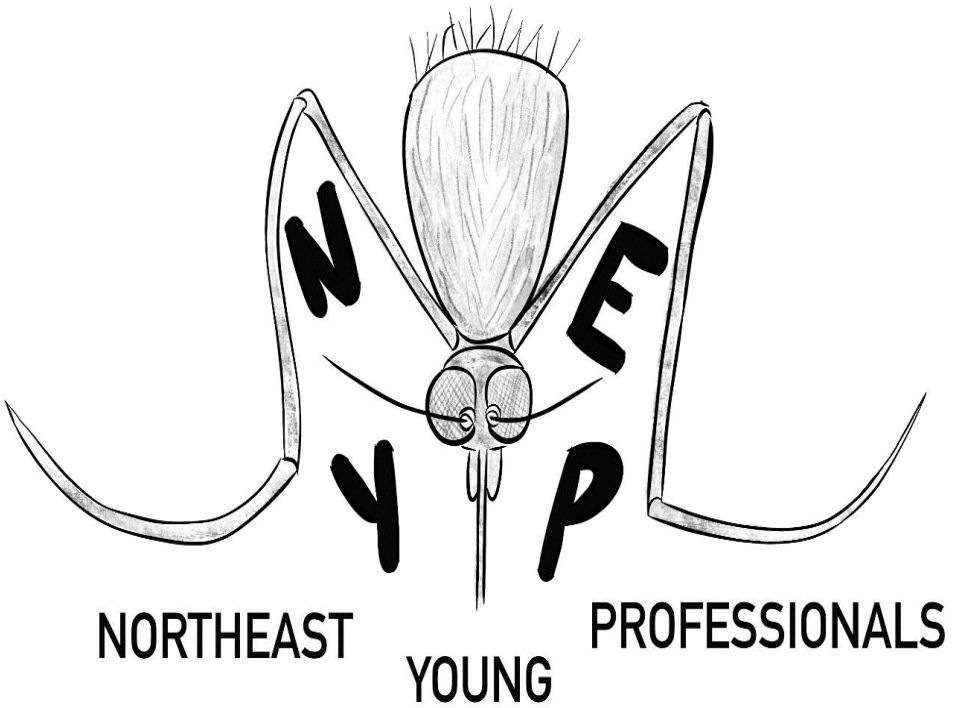
## **Monday December 9<sup>th</sup>**

<u>Registration table opens</u>	8:00 AM	Lobby
<u>NMCA Business Meeting</u>	5:00 PM	JFK Ballroom
<u>Presidents Reception &amp; Awards</u>	6:30 PM	Crystal Room

## **Tuesday December 10<sup>th</sup>**

<u>Vendor's luncheon</u>	12:00 PM – 1:30 PM	JFK Ballroom
<u>Poster Session</u>	4:30 PM	Lobby
<u>Reception &amp; Silent Auction</u>	6:30 - 7:30 PM	Emerald Room
<u>NMCA Banquet</u>	7:30 PM	Emerald Room

- The registration table is located in the Lobby and will be open each day after 8:00am
- Photo Salon Entries are due by Tuesday at noon. Fill out a sheet at the registration table with photos on a USB stick, or simply e-mail Nate at [nmca.photosalon@nmca.org](mailto:nmca.photosalon@nmca.org)
- Posters for the Poster Session are due to the registration table by Tuesday at noon.
- Silent auction items can be left at the registration table at any time up until noon on Tuesday.



The New Jersey Mosquito Control Association and the Northeastern Mosquito Control Association are excited to announce the introduction of the Young Professionals Committee! If you have been a member of NJMCA or NMCA for no more than 5 years and/or are a student with an interest in medical entomology, mosquito control/industry employees, research scientists/post docs in government/private institutions for less than 10 consecutive years, you qualify to become a YP!



*NJ Mosquito Control Association's*

**110th Annual Meeting at Resorts Casino Hotel, March 15-17, 2023**

**Resorts Casino Hotel, 1133 Boardwalk, Atlantic City, NJ 08302**



Anything is possible in 2023.  
**Mosquitoes are for certain. We can help.**

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- Larval Mosquito Control
- Adult Mosquito Control

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Evan Pilcicki  
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Evan.Pilcicki@azelis.com



“

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- EverGreen
- Fyfanon
- PermaSease
- Trumpet

#### Miscellaneous

- Avesta
- Bifen
- BVA
- Cyzmic
- D-Fense
- Moskito Care
- Nuvan
- Sunset
- Wisdom

#### Technology & Equipment

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**PROGRAM**  
**68<sup>th</sup> Annual Meeting**  
Northeastern Mosquito Control Association  
December 4-7, 2022  
Cape Codder Resort and Spa, Hyannis, MA

**Sunday, December 4, 2022**

3:00 - 7:00 PM	<b>Exhibitor Set Up</b>	Crystal Room
5:30 PM	<b>Audit Committee Meeting</b>	Nantucket Boardroom
6:00 PM	<b>Executive Board Meeting</b>	Nantucket Boardroom

**Monday, December 5, 2022**

8:00 AM	<b>Registration Table Open</b>	Lobby Foyer
8:00 AM	<b>Exhibitor Set Up</b>	Crystal Room
9:00 AM	<b>Exhibit Booths Open</b>	Crystal Room
<hr/>		
First Session:	Dave Lawson, Moderator	JFK Ballroom
9:00 AM	<b>Presidential Address</b> Dave Lawson – President, NMCA	
9:10 AM	<b>Welcome to Hyannis</b> Paul Niedzwiecki – Cape Cod Chamber of Commerce	

## Monday, December 5, 2022

9:20 AM      **AMCA Update**  
Priscilla Matton – American Mosquito Control  
Association North Atlantic Regional Director

9:40 AM      **State Update - Vermont**  
Patti Casey & Eliza Doncaster  
VT Agency of Agriculture

**10:00 AM**

***Coffee Break***

***Crystal Room***

Second Session:    Victoria Thompson, Moderator    JFK Ballroom

10:20 AM      **State Update – Massachusetts**  
Matt Osborne – Massachusetts Department of  
Public Health

10:40 AM      **State Update – Maine**  
Charles Lubelczyk -  
MaineHealth Institute for Research

11:00 AM      **State Update – New Hampshire**  
Marco Notarangelo –  
New Hampshire Health & Human Services

11:20 AM      **State Update – New Jersey**  
Lisa Reed – Rutgers University

11:40 AM      **State Update – Connecticut**  
John Shepard - Connecticut Agricultural Experiment  
Station

**12:00 – 1:30**

***Lunch (on your own)***

## Monday, December 5, 2022

Third Session: Ellen Bidlack, Moderator                      JFK Ballroom

- 1:30 PM            **State Update - Pennsylvania**  
Maddie Metzger – Pennsylvania Department of  
Environmental Protection
- 1:50 PM            **The Impact of New Pesticide Regulations to  
Protect Endangered Species & AMCA Update**  
Daniel Markowski – American Mosquito Control  
Association
- 2:10 PM            **Mosquito Control and Flood Insurance Savings:  
The Community Rating System on Cape Cod**  
Shannon Hulst - Barnstable County Cape Cod  
Cooperative Extension & Woods Hole Sea Grant

**2:40 PM**

***Coffee Break***

***Crystal Room***

Fourth Session: Gabrielle Sakolsky, Moderator                      JFK Ballroom

- 3:00 PM            **NEVBD Program Update**  
Goudarz Molaei – Northeast Regional Center for  
Excellence in Vector-Borne Diseases
- 3:30 PM            **New England Center for Excellence Update**  
Stephen Rich – University of Massachusetts,  
Amherst
- 4:00 PM            **Cornell University: Pesticide Resistance  
Program Update – 2022 Season**  
Jake Angelico – Cornell University

## **Monday, December 5, 2022**

- 4:20 PM      **Operational research in public health entomology and vector control- where are we, and how can we do more?**  
Andrew Lover – Univ. of Massachusetts Amherst/  
NEWVEC Center of Excellence
- 5:00 PM      **NMCA Business Meeting**  
JFK Ballroom
- 6:30 PM      **President's Reception**  
Crystal Room
- 7:00 PM      **Scholarships and Awards**  
Crystal Room

Since the early 2000's, the NMCA has provided financial support in various amounts to AMREF (African Medical and Research Foundation, USA) through the Association's John Kuschke Memorial Fund. The donation is used to pay for laboratory training for individuals looking to further their career in the field of public health in which mosquito borne diseases play a large role. Individual recipients bring this knowledge directly back to their villages and contribute to the health care needs of their communities. With our support, AMREF is able to send laboratory professionals to the Medical Laboratory Practices and Management Course in Nairobi, Kenya. In 2022, NMCA donated \$3000 to AMREF. Information on AMREF, the Medical Laboratory Practices and Management Course, as well as thank you letters from recipients are available to the Association. AMREF remains very grateful for NMCA's continued long-term support, which students across Africa rely on greatly to attend this invaluable program.

**Tuesday, December 6, 2022**

8:00 AM      **Young Professionals Sponsored Breakfast**  
Invitation only – Grand Cru

8:00 AM      **Registration Table Open**                      Lobby Foyer

8:00 AM      **Exhibit Booths Open**                              Crystal Room

Fifth Session:      Frank Cornine III, Moderator              JFK Ballroom

9:00 AM      **Allen’s Pond Runnel Project: A Case Study**  
Diana Brennan – Bristol County Mosquito Control

9:20 AM      **Effectiveness of In2Care® Mosquito Station  
against Aedes and Culex mosquitoes**  
Cameron Renn – In2Care

9:40 AM      **Communication, Outreach and Technology for  
Northeast Massachusetts Mosquito Control and  
Wetlands Management**  
Kelsey Liakos - Northeast Massachusetts Mosquito  
Control

*10:00 AM                              Coffee Break                              Crystal Room*

Sixth Session:              John Shepard, Moderator              JFK Ballroom

10:20 am      **Jamestown Canyon Virus (Bunyavirales:  
Peribunyaviridae) Vector Ecology in a Focus of  
Human Transmissions in New Hampshire, USA**  
Joe Poggi – Cornell University

## Tuesday, December 6, 2022

- 10:40 AM     **Range Expansion of *Aedes albopictus*, *Anopheles crucians* and *Culex erraticus* through Connecticut: A Cause for Concern?**  
Tanya Petruff – Connecticut Agricultural Experimental Station
- 11:00 AM     **Holding Back the Horde: Salt Marsh Mosquito Control on Federal Lands**  
Gabrielle Sakolsky & Aubrey Paolino – Cape Cod Mosquito Control Project
- 11:30 AM     **Surveillance Trap Station Design and Evolution**  
Kimberly Foss – Northeast Massachusetts Mosquito Control

**12:00 PM – 1:30 PM     Vendors Luncheon     JFK Ballroom**

Seventh Session:     Kaitlyn O'Donnell, Moderator     JFK Ballroom

- 1:30 PM     **Prevalence of Avian Pox in Maine Mosquitos**  
Ben Godfrey & Peter Milligan – University of Maine, Augusta
- 2:00 PM     **Automation AI and Robotics for Mosquito Identification and Pooling**  
Patrick Keough – Senecio Robotics
- 2:30 PM     **Relationship between *Culiseta melanura* and Precipitation at Sites in Southern Maine**  
Molly Meagher & Chuck Lubelczyk– MaineHealth Institute for Research

**3:00 PM     Coffee Break     Crystal Room**

**Tuesday, December 6, 2022**

**Eighth Session:** Molly Meagher, Moderator      JFK Ballroom

3:30 PM **Update on the North Shore Greenhead Fly Control Project**  
Victoria Ambrifi - Northeast Mass. Mosquito Control Project

4:00 PM **Developing a structured Decision-Making Framework for Ticks and Tick-borne Disease Management**  
Tara-Kay Jones – University of Rhode Island

**4:30 PM                      Poster Session                      Lobby**

Please stop by the Poster Session and engage with the authors.

## P-1 ULV Efficacy Trials Using CDC and Novel BG-Counter Traps

Frank Cornine III, David Segal, and Christopher Swab.

6:30 PM **Silent Auction/Reception**  
Emerald Room

7:30 PM **NMCA Banquet**  
Emerald Room



**Wednesday, December 7, 2022**

8:00 AM                      **Exhibits Open**                      Crystal Room

Ninth Session:              Todd Duval, Moderator              JFK Ballroom

8:30AM              **Evaluating the Capacity of Vector Control Agencies to Implement Public Health Tick Management Programs in the United States**  
James Burtis – U.S. Centers for Disease Control

9:00 AM              **Experiments with Thin Layer Sediment Placement to Enhance Salt Marsh Resilience to Climate Change: Results from Waquoit Bay National Estuarine Research Reserve and Seven Other Research Reserves**  
Megan Tyrrell – Waquoit Bay National Estuarine Research Reserve

9:20 AM              **Prehatch Larval Control Program in Central Massachusetts**  
John C. Briggs Jr. & Timothy R. Hackley – Central Massachusetts Mosquito Control Program

9:40 AM              **Use of a Miniature Optical Engine for Age Classifying Wild-Caught *Coquillettdia perturbans* in the Short-Wave Infrared (SWIR) Region**  
Christopher Swab – Tufts University

**10:00 AM                      Coffee Break                      Crystal Room**

## Wednesday, December 7, 2022

Tenth Session: Chris Horton, Moderator      JFK Ballroom

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- 10:30 AM      **Tick Management Strategies in a Northeastern Park**  
Dan Markowski – American Mosquito Control Association
- 11:00 AM      **Analysis of *Aedes japonicus* populations and bloodmeals in rural, suburban, and urban land-use Condictions in Southern Maine**  
Catherine Miller – University of Southern Maine
- 11:30 PM      **Distribution and Abundance of Significant Hard Tick Vector Species within Rhode Island**  
TK Wallace – University of Rhode Island
- 12:00 PM      **Closing Remarks**  
Chuck Lubelczyk, President NMCA

The NMCA Executive Board would like to thank the presenters, the exhibitors and the entire NMCA membership for their support in making this another great conference. We would like to wish everyone and their families a safe and happy holiday season.

We look forward to seeing everyone again next year for the NMCA's 69<sup>th</sup> annual meeting, place and time are TBD.

# Bristol County Mosquito Control Project

38R Forest Street, Attleboro, MA 02703

Tel: (508) 823-5253



Superintendent

Priscilla Matton, M.S.

Commissioners:

Joseph Barile, Chairman

Christine A. Fagan      Gregory D. Dorrance

Dr. Henry Vaillancourt

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## Berkshire County Mosquito Control Project

**Christopher Horton, Superintendent**

Commission:

Wally Terrill, Chairman

Ryan W. Grennan

James R. McGrath

19 Harris Street, Pittsfield, MA 01201

Phone: 413-447-9808 • Fax: 413- 447-7185

<https://www.berkshiremosquito.org/>

# CENTRAL MASS. MOSQUITO CONTROL PROJECT

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[www.cmmcp.org](http://www.cmmcp.org)

Timothy D. Deschamps, *Executive Director*

Timothy E. McGlinchy, *Director of Operations*

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**PROUD SUPPORTER OF THE NMCA**

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**DAVID A. LAWSON, Director**

**CAROLINE E. HAVIAND, Field Operations Manager**

**144 Production Road, Suite C  
Walpole, MA 02081  
(781) 762-3681**

**COMMISSIONERS:**

**Robin L. Chapell   Norman P. Jacques   Richard J. Pollock, PhD  
Linda R. Shea   Kylee C. Sullivan**

**Congratulations to Nate Boonisar for 20 years of service!**

# **Plymouth County Mosquito Control Project**

***Serving Plymouth County Since 1957***  
Commissioners:

John Sharland – Chair  
Ann Motyka – Vice Chair/Secretary  
Tom Reynolds  
Michael F. Valenti

---

Ross Rosetti – Superintendent  
Ellen Bidlack – Entomologist  
Denise Deluca – Admin Assistant



272 South Meadow Rd. Plymouth, Ma  
02360

# Cape Cod Mosquito Control Project

*Established 1930*



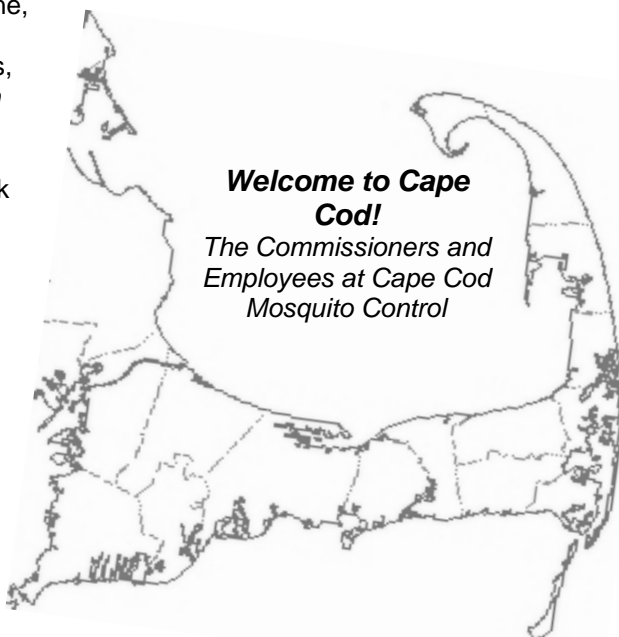
## **Commissioners:**

J. Gregory Milne,  
*Chairman*

Rodney Collins,  
*Vice Chairman*

Arthur Neill,  
*Secretary*

James H. Quirk  
Emily Beebe



Gabrielle Sakolsky, Superintendent  
Barton Morris, Assistant Superintendent  
Aubrey Paolino, Entomologist  
Caitlin Barrett, Admin. Assistant

***Congratulations to Greg Baker and  
Andy Fletcher for 20 years with  
Cape Cod Mosquito Control  
Project!***



## PAST PRESIDENTS AND ANNUAL MEETINGS

1955-56	Joseph F. Pannone	Amherst, MA	February 2 - 3, 1955
1956-57	Joseph F. Pannone	Waltham, MA	January 19 - 20, 1956
1957-58	Lewis F. Wells, Jr.	Providence, RI	February 14 - 15, 1957
1958-59	Lewis F. Wells, Jr.	Waltham, MA	January 30 - 31, 1958
1959-60	Dr. Hugo Jamnback	Boston, MA	February 19 - 20, 1959
1960-61	Robert L. Armstrong	Boston, MA	March 27 - 30, 1960
1961-62	Robert L. Armstrong	Waltham, MA	February 15, 1961
1962-63	Cmdr. John W. Rehn	Natick, MA	February 14 - 15, 1962
1963-64	Cmdr. John W. Rehn	Waltham, MA	February 19 - 20, 1963
1964-65	Robert W. Spencer	Bridgewater, MA	November 18 - 19, 1964
1965-66	Robert W. Spencer	Seekonk, MA	November 3 - 5, 1965
1966-67	Joseph F. Pannone	Seekonk, MA	November 2 - 4, 1966
1967-68	Joseph F. Pannone	Seekonk, MA	October 4 - 6, 1967
1968-69	Leroy Kinsey	Seekonk, MA	October 23 - 25, 1968
1969-70	Leroy Kinsey	Seekonk, MA	November 15 - 17, 1969
1970-71	Frederick J. Danos	Boston, MA	November 16 - 18, 1970
1971-72	Robley W. Nash	Danvers, MA	November 15 - 17, 1971
1972-73	Robley W. Nash	Danvers, MA	November 13 - 15, 1972
1973-74	Robert Ostergaard	Framingham, MA	October 29 - 31, 1973
1974-75	Robert Ostergaard	Bedford, NH	October 29 - 31, 1974
1975-76	John J. McColgan	Danvers, MA	October 15 - 17, 1975
1976-77	John J. McColgan	Danvers, MA	October 20 - 22, 1976
1977-78	Eugene Marx	Danvers, MA	October 12 - 14, 1977
1978-79	Eugene Marx	Grossinger, NY	November 1 - 3, 1978
1979-80	David H. Colburn	Pittsfield, MA	October 10 - 12, 1979
1980-81	David H. Colburn	Sturbridge, MA	October 29 - 31, 1980
1981-82	Norman R. Dobson	Newport, RI	November 2 - 4, 1981
1982-83	Norman R. Dobson	Hyannis, MA	September 27 - 29, 1982
1983-84	Joseph Sanzone	Southampton, NY	October 17 - 19, 1983
1984-85	Joseph Sanzone	Worcester, MA	October 15 - 17, 1984
1985-86	John Kuschke	Portsmouth, NH	October 21 - 23, 1985
1986-87	John Kuschke	Sturbridge, MA	October 6 - 8, 1986
1987-88	Malcolm C. Henry	Mystic, CT	October 5 - 7, 1987
1988-89	Malcolm C. Henry	Topsfield, MA	September 13, 1988
1989-90	David Scott	Pittsfield, MA	October 2 - 4, 1989
1990-91	David Scott	Burlington, VT	October 29 - 31, 1990
1991-92	Kenneth W. Ludlam	Plymouth, MA	November 4 - 6, 1991
1992-93	Kenneth W. Ludlam	Newport, RI	November 16 - 18, 1992
1993-94	Walter G. Montgomery	Salem, MA	November 15 - 17, 1993
1994-95	Walter G. Montgomery	Portsmouth, NH	December 5 - 7, 1994
1995-96	Robert Kent	Hyannis, MA	November 13 - 15, 1995
1996-97	Robert Kent	Mystic, CT	December 9 - 11, 1996
1997-98	Paul Capotosto	Sturbridge, MA	December 8 - 10, 1997
1998-99	Paul Capotosto	Lincoln, NH	December 7 - 9, 1998
1999-00	Sarah MacGregor	Plymouth, MA	December 6 - 8, 1999
2000-01	Sarah MacGregor	Newport, RI	December 4 - 6, 2000
2001-02	John J. Smith	Salem, MA	December 3 - 5, 2001
2002-03	John J. Smith	Mystic, CT	December 2 - 4, 2002
2003-04	Curtis Best	Hyannis, MA	December 1 - 3, 2003
2004-05	Curtis Best	Newport, RI	December 6 - 8, 2004
2005-06	Timothy Deschamps	Northampton, MA	November 28 - 30, 2005
2006-07	Timothy Deschamps	Saratoga Springs, NY	November 27 - 29, 2006
2007-08	Emily DW Sullivan	Plymouth, MA	December 3 - 5, 2007
2008-09	Emily DW Sullivan	Providence, RI	December 8 - 10, 2008
2009-10	Wally Terrill	Sturbridge, MA	December 2 - 4, 2009
2010-11	Wally Terrill	Hyannis, MA	December 6 - 8, 2010
2011-12	Roger Wolfe	Plymouth, MA	December 5 - 7, 2011
2012-13	Roger Wolfe	Mystic, CT	December 3 - 5, 2012
2013-14	Timothy McGlinchy	Hull, MA	December 9-11, 2013
2014-15	Timothy McGlinchy	Cambridge, MA	December 8-10, 2014
2015-16	Priscilla Matton	Newport, RI	December 7-9, 2015
2016-17	Priscilla Matton	N. Falmouth, MA	December 5-7, 2016
2017-18	Gabrielle Sakolsky	Plymouth, MA	December 4-6, 2017
2018-19	Gabrielle Sakolsky	Nashua, NH	December 3-5, 2018
2019-20	Chris Horton	Milford, MA	December 8-11, 2019
2020-21	Chris Horton	Webinar	January - Feb., 2021
2021-22	Dave Lawson	Webinar	December 6-8, 2021
2022-23	Dave Lawson	Hyannis, MA	December 5-7, 2022