Welcome to Plymouth
NMCA members and friends

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www.nmca.org
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PO Box 6522 Hamden, CT 06517
# NORTHEASTERN MOSQUITO CONTROL ASSOCIATION, INC.

## NMCA OFFICERS 2017

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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<tbody>
<tr>
<td>President</td>
<td>Gabrielle Sakolsky-Hoopes</td>
</tr>
<tr>
<td>1st Vice President</td>
<td>Chris Horton</td>
</tr>
<tr>
<td>2nd Vice President</td>
<td>David Lawson</td>
</tr>
<tr>
<td>Secretary</td>
<td>Emily DW Sullivan</td>
</tr>
<tr>
<td>Treasurer</td>
<td>John Shepard</td>
</tr>
<tr>
<td>Past President</td>
<td>Priscilla Matton</td>
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## NMCA BOARD OF DIRECTORS 2017

<table>
<thead>
<tr>
<th>Term</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Year</td>
<td>Teresa Duckworth</td>
</tr>
<tr>
<td>Two Years</td>
<td>Caroline Haviland</td>
</tr>
<tr>
<td>Three Years</td>
<td>Charles Lubelczyk</td>
</tr>
<tr>
<td>Industry Rep.</td>
<td>Wally Terrill</td>
</tr>
<tr>
<td>Comm. Director</td>
<td>Timothy Deschamps</td>
</tr>
</tbody>
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## NMCA HONORARY ASSOCIATION MEMBERS

<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard O. Hayes</td>
<td>Broomfield, CO</td>
</tr>
<tr>
<td>Malcolm C. Henry</td>
<td>Orr’s Island, ME</td>
</tr>
<tr>
<td>Norman R. Dobson</td>
<td>Peabody, MA</td>
</tr>
<tr>
<td>Bill Zawicki</td>
<td>Selbyville, NJ</td>
</tr>
<tr>
<td>Dr. Ernest Ruber</td>
<td>Mashpee, MA</td>
</tr>
<tr>
<td>Dr. Wayne J. Crans</td>
<td>Glen Gardner, NJ</td>
</tr>
<tr>
<td>Raymond Zucker</td>
<td>Scituate, MA</td>
</tr>
<tr>
<td>David Boyes</td>
<td>Barrington, RI</td>
</tr>
<tr>
<td>Walter Montogomery</td>
<td>Rockport, MA</td>
</tr>
<tr>
<td>James “Jake“ Jurgenson</td>
<td>W. Springfield, MA</td>
</tr>
<tr>
<td>John J. Smith</td>
<td>Plainville, MA</td>
</tr>
<tr>
<td>Robert Kent</td>
<td>N. Brunswick, NJ</td>
</tr>
<tr>
<td>Paul Capotosto</td>
<td>Largo, FL</td>
</tr>
</tbody>
</table>
NORTHEASTERN MOSQUITO CONTROL ASSOCIATION, INC.

NMCA COMMITTEES 2017

ADVISORY
Gabrielle Sakolsky-Hoopes: Chair
Patti Casey - VT
Anthony Falco - NY
Alan Gettman - RI
Mike Hutchinson - PA
Dave Lawson - MA
Chuck Lubelczyk – ME
Sarah MacGregor - NH
Tadhgh Rainey – NJ
Roger Wolfe – CT

ARCHIVE
Wally Terrill: Chair
Curtis Best
Bob Kent
Dave Lawson

AUDIT
David Lawson: Chair
Emily Sullivan

BY-LAWS
Chris Horton: Chair
Emily Sullivan

CHARITABLE
Priscilla Matton: Chair
Tadhgh Rainey
John Shepard
Roger Wolfe

EXHIBIT COORDINATORS
Joshua Nickerson
Priscilla Matton

LOCAL ARRANGEMENTS
David Lawson: Chair
David Boyes
Wally Terrill

NOMINATING
Gabrielle Sakolsky-Hoopes: Chair
Teresa Duckworth
David Henley
Wally Terrill

OUTREACH & EDUCATION
Priscilla Matton: Chair
Timothy Deschamps
Jeff O’Neil
Tadhgh Rainey

PROGRAM
Chris Horton: Chair
Ellen Bidlack
Jennifer Forman-Orth
Dave Henley
Alan Gettmann
Chuck Lubelczyk
Tim McGlinchy
Emily Sullivan
Roger Wolfe

PUBLICATIONS
David Lawson: Chair
Ellen Bidlack
David Boyes
Timothy Deschamps: NMCA Editor

SCHOLARSHIP & AWARDS
Gabrielle Sakolsky-Hoopes: Chair
Kristen Bartlett-Healy
Frank Cornine III
Chuck Lubelczyk
Cape Cod Mosquito Control Project
Established 1930

Commissioners:
J. Gregory Milne, Chairman
Jere Downing, Vice Chairman
Arthur Neill, Secretary
James H. Quirk
Rodney Collins

Best Wishes for a Happy, Healthy 2018!
The Commissioners and Employees at Cape Cod Mosquito Control

John Doane, Superintendent
Gabrielle Sakolsky, Assistant Superintendent
Paul Eldredge, Field Supervisor
Caitlin Slowik, Administrative Assistant
Please welcome Diana Brennan, new Wetlands Coordinator & new Commissioner Aaron Caswell to the NMCA!
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Key Component for Integrated Mosquito Management | Traps and Kills Adult Mosquitoes, Especially Aedes aegypti
Prevents Hatching of About 130 Eggs Per Female

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Kim Geissel - Northeast & Canada Regional Manager
kgeissel@catchmasterpro.com
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THE DUPLEX™-G ADVANTAGE

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2. Killing action within 24-72 hours
3. 28 days of control
4. Multiple brood control
5. Action on 1st-4th instar mosquito larvae

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Wally Terrill

(413) 441-4147

WTerrill@clarke.com

Natular G will be listed in the OMRI Products List, available at the OMRI website www.omri.org and circulated to subscribing certifiers and state programs. This granular formulation joins the other Natular products (excluding DT) that have successfully completed the OMRI Product Review process, complying with the OMRI Policy and Standards manual and the requirements of the USDA National Organic Program Rule.

What this means is use of these Natular formulations in and around organic crop production will not endanger organic certification: Natular XRG (listed in 2011 as Natular G30), Natular T30, Natular XRT, Natular 2EC and Natular G

Natular formulations meet the criteria that make them an excellent choice for not only labeled environmentally-sensitive habitats but also for the growing number of communities with green or sustainable practice guidelines.

ASK ME ABOUT THE CLARKE CARES FOUNDATION!

1. INNOVATION 2. COMMUNITY 3. SUSTAINABILITY
PROGRAM
63rd Annual Meeting
Northeastern Mosquito Control Association
December 4-6, 2017
Hotel 1620 at Plymouth Harbor

Sunday, December 3, 2017

3:00-7:00 PM  Exhibitor’s Set-Up          Atlantic Room
5:30 PM  Audit Committee Meeting          Halifax Room
6:00 PM  Executive Board Meeting          Halifax Room

Monday, December 4, 2017

8:00 AM  Registration Table Open          Lobby Foyer
8:00 AM  Exhibitor’s Set Up               Atlantic Room
9:00 AM  Exhibits Booths Open             Atlantic Room

First Session
Moderator: Gabrielle Sakolsky               Regency Ballroom

9:00 AM  Welcome to Plymouth
         State Senator Vinny deMacedo

9:20 AM  Presidential Address
         Gabrielle Sakolsky, President NMCA

9:30 AM  A Few Words from the AMCA North
         Atlantic Regional Director
         Robert Duryea, North Atlantic Regional
         Director AMCA

10:00 AM  Coffee Break                   Atlantic Room
Monday, December 4, 2017

Second Session
Moderator: Al Gettman

10:30 AM 2017 Massachusetts Arbovirus Season
Matthew Osborne, MPH, Zoonotic Project Coordinator and Arbovirus Surveillance Program Manager

Carolyn Fredette, NH Department of Health and Human Services

11:10 AM Arbovirus Activity in Connecticut, 2017
John Shepard, Center for Vector Biology and Zoonotic Diseases, The Connecticut Agricultural Experiment Station

11:30 AM Arbovirus Surveillance, Maine 2017
Charles Lubelczyk, Sara Robinson, and Kathy Murray, Maine Dept. of Health & Human Services

12:00 Noon Lunch - On Your Own

Third Session
Moderator: Timothy Deschamps

1:30 PM Pennsylvania State Report 2017
Michael Hutchinson, PA Bureau of Labs – Vector Management

1:50 PM Rhode Island Update 2017
Al Gettman, Rhode Island Dept. of Environment Management
Monday, December 4, 2017

2:10 PM 2017 Arbovirus Surveillance in Vermont
Eliza Doncaster and Judy Rosovsky, VT Dept. of Agriculture

2:30 PM 2017 Arbovirus and Adult Mosquito Activity in New Jersey
Lisa Reed and Dina Fonseca, Rutgers University Center for Vector Biology

2:45 PM New Jersey State Report, 2017
Scott Crans, NJ Office of Mosquito Coordination

3:00 PM Coffee Break
Atlantic Room

Fourth Session
Moderator: Ellen Bidlack
Regency Ballroom

3:30 PM New York State Report 2017
Alex Ciota, NY State Dept. of Health

3:50 PM Mosquito Control in the US: a Role for PMPs and Mosquito Control Districts
Joe Conlon, Technical Advisor AMCA

4:30 PM Professional Training: The Unmet Need
İşik Ünlü and Chuck Collins, Mercer County Mosquito Control, Center for Vector Biology, Rutgers University

4:45 PM Unlock the Power of Your GIS – Key Strengths and Planned Improvements
Linda Glover and Chad Minteer, Frontier Precision

5:30 PM NMCA Business Meeting
Regency Ballroom
Monday, December 4, 2017

6:30 PM President’s Reception Atlantic Room
7:00 PM NMCA Scholarships and Awards Atlantic Room

Tuesday, December 5, 2017

6:00 AM 10th Annual Fun Run / Walk
Meet in the Hotel Lobby

8:00 AM Registration Tables Open Lobby Foyer
8:00 AM Exhibits Open Atlantic Room

Fifth Session Regency Ballroom
Moderator: Doug Bidlack

8:30 AM Engaging School Nurses as Advocates and Educators for Tick and Mosquito IPM
Kathy Murray, Maine Department of Agriculture

8:50 AM EPA Update
Andrea Szylvian, US EPA, Region 1

9:10 AM The Northeast Center for Excellence in Vector-Borne Diseases
Theodore Andreadis, Center for Vector Biology and Zoonotic Diseases, The Connecticut Agricultural Experiment Station

9:30 AM The Basics of Shoreline Protection
Peter Hanrahan, CPESC, EJ Prescott

9:45 AM Coffee Break Atlantic Room
Tuesday, December 5, 2017

Sixth Session
Moderator: Jennifer Forman-Orth

10:00 AM  Remembering Daniel Manley Jobbins
Ernest Ruber, Professor Emeritus, Northeastern University

10:30 AM  Northern Range Expansion of the Asian Tiger Mosquito (Aedes albopictus): Analysis of Mosquito Data from Connecticut, USA
Philip M. Armstrong, Theodore G. Andreadis, John J. Shepard, Michael C. Thomas, The Connecticut Agricultural Experiment Station

10:50 AM  Aedes albopictus on the South Coast – An Update
Todd B. Duval and Priscilla Matton, Bristol County Mosquito Control Project

11:10 AM  The Influence of Climate Change and Socio-Economical Factors on Aedes albopictus in Northeastern US Cities
Eliza Little, Columbia University

11:30 AM  Vendor’s Luncheon
Regency Ballroom
Moderator: Priscilla Matton

12:00 PM  Commissioners and Superintendent Meet and Greet
Halifax Room
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 PM</td>
<td><strong>Rising Tick Populations and Changing Patterns of Tick-Associated Diseases in the Northeastern US</strong></td>
<td>Goudarz Molaei, Center for Vector Biology and Zoonotic Diseases, Department of Epidemiology and Microbial Diseases, The Connecticut Agricultural Experiment Station, Yale School of Public Health</td>
</tr>
<tr>
<td>1:15 PM</td>
<td><strong>Spatiotemporal Dynamics of <em>Borrelia burgdorferi</em> Infection in Black-legged Tick <em>Ixodes scapularis</em> in Connecticut</strong></td>
<td>Eliza Little, Center for Vector Biology and Zoonotic Diseases, The Connecticut Agricultural Experiment Station</td>
</tr>
<tr>
<td>1:30 PM</td>
<td><strong>Tick IPM Toolbox: An Update on Tick Control</strong></td>
<td>Kirby Stafford, Center for Vector Biology and Zoonotic Diseases, The Connecticut Agricultural Experiment Station</td>
</tr>
<tr>
<td>1:45 PM</td>
<td><strong>Charismatic and Complicit: Impacts of Increased Abundances of White-tailed Deer on Ticks and Tick-borne Diseases</strong></td>
<td>Scott Williams, Center for Vector Biology and Zoonotic Diseases, The Connecticut Agricultural Experiment Station</td>
</tr>
<tr>
<td>2:00 PM</td>
<td><strong>Effects of Host Diversity and Abundance on Dilution of <em>Borrelia burgdorferi</em> in Residential and Woodland Habitats</strong></td>
<td>Megan Linske, Department of Entomology, Connecticut Agricultural Experiment Station</td>
</tr>
</tbody>
</table>
Tuesday, December 5, 2017

2:15 PM  Current Status for Vaccination of Lyme Disease  
          Sam Telford, Cummings School of Veterinary Medicine, Tufts University

2:30 PM  Changing Distribution and Overwintering Potential of *Ixodes scapularis* and *Amblyomma americanum* in New England  
          Charles Lubelczyk, Maine Medical Center Research Institute

2:45 PM  Distribution of *Ixodes uriae* and *Borrelia garinii* in the Gulf of Maine and Maritime Canada  
          Margaret Welch, Maine Medical Center Research Institute  
          2016 Jobbins Scholarship co-recipient

3:00 PM  Coffee Break  
          Atlantic Room

Eighth Session  Regency Ballroom  
Moderator: Tim McGlinchy

3:30 PM  Regulation of Salt Marsh Mosquito Populations by the 18.6-year Lunar-nodal Cycle  
          Ilia Rochlin, Tom Iwanejko, and James T. Morris, Division of Vector Control, Suffolk County DPW

3:50 PM  Mosquito Control for the Pioneer Valley  
          Greg Lewis, Franklin Regional Council of Governments
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>4:10 PM</td>
<td>Mosquito Diversity at Four Southern Maine Coastal Sites – York and Sagadahoc Counties, 2017</td>
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<td></td>
<td>Elizabeth Henderson, Sara Robinson, and Charles Lubelczyk, Maine Medical Research Center Institute</td>
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<tr>
<td>4:30 PM</td>
<td>Poster Session</td>
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<td></td>
<td>Regency Ballroom</td>
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<tr>
<td>4:30 PM</td>
<td>Early Season Treatments Using Natular™ G30 – 2017 Update</td>
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<td></td>
<td>Frank H. Cornine III and David Mullins, Central Mass. Mosquito Control Project</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Drain and Fill or Wetland Restoration?</td>
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<td></td>
<td>Roger Wolfe and Michael Krueger, CT DEEP WHAMM Program</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Incidence of Avian Pox DNA in Mosquitoes from South and Central Maine</td>
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<td>Peter Milligan, Aaminah Ameen, Tiffany Labbe, Tonia Roberson, Nallie Thor, and Charles Lubelczyk, University of Maine at Augusta, ME Medical Research Center</td>
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<tr>
<td>4:30 PM</td>
<td>Wetland Restoration Projects and Beaver Deceivers</td>
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<td>Katrina Proctor, Wetlands Project Coordinator, Central Mass. Mosquito Control</td>
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<tr>
<td>4:30 PM</td>
<td>Evaluating the Impact of Hydrological Alterations on Salt Marsh Sustainability in a Changing Climate</td>
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<td>Megan Tyrell and Tonna-Maire Surgeon-Rogers, Waquoit Bay National Esturine Reserve. Presented by Gabi Sakolsky, Cape Cod Mosquito Control Project</td>
</tr>
</tbody>
</table>
Tuesday, December 5, 2017
4:30 PM  Poster Session (cont.)  Regency Ballroom

The Impact of a Common Parasitic Infection in *Aedes aegypti* on its Control
Using *Bacillus thuringiensis israelensis*
HeeJung Ko and Dawn Wesson, Tulane University

Tire Teeth
Tim Welch & Ed Storonsky, Central Mass. Mosquito Control Project

6:30 PM  Silent Auction / Reception  Regency Ballroom Reception Area

7:30 PM  NMCA Banquet  Regency Ballroom

Wednesday, December 6, 2017

Ninth Session  Regency Ballroom
Moderator: Emily Sullivan

9:00 AM  Tigers Undercover: Controlling *Aedes albopictus* larvae in corrugated extension spouts
Nick Indelicato and Işık Ünlü, Mercer County Mosquito Control

9:20 AM  Source Reduction and the EPA’s WasteWise Program in Central Massachusetts.
Timothy D. Deschamps, Central Mass. Mosquito Control Project

9:40 AM  Using Natular™ to Control *Coquillettidia perturbans*, a Potential Bridge Vector of EEE Virus in the Northeast
Derek Drews, Clarke Mosquito
Wednesday, December 6, 2017

10:00 AM   Coffee Break
            Regency Ballroom reception area

Tenth Session  Regency Ballroom
Moderator: Chris Horton

10:30 AM   Development of an Effective Novel Copepod-Based Mosquito Ovitrap
            Sophie Wang, Waterford High School

10:50 AM   Exploring Bladderwort Predatory Plants as a Novel Biocontrol Method for Northeastern Vectors
            Nelle Couret, Department of Biological Sciences, University of Rhode Island

11:10 AM   Drain and Fill or Wetland Restoration
            Roger Wolfe, CT DEEP, WHAMM Program

11:30 AM   “Swords to Plowshares” Using Federal Surplus for Mosquito Control
            Chris Horton, Berkshire County Mosquito Control Project

12:00 Noon  Closing Remarks, Gabrielle Sakolsky, 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 64th annual meeting at the Crowne Plaza Nashua in Nashua, NH from December 3-5, 2018.
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STORMWATER
MANAGEMENT

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CUSTOMIZE SOLUTIONS
EMPOWER PUBLIC HEALTH PROFESSIONALS
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Would you bet your life on it?
Would you bet your child’s life on it?

- Ticks carry many diseases that can seriously impact our lives and health.
- Tick-borne disease incidence rates in Plymouth county are potentially 130x the reported national average!
- Disease rates are only climbing each year.

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- Learn the facts about ticks and prevention methods.
- Get the answers to your questions about ticks.
- Go back to enjoying life in New England!

Contact Blake Dinius for more information:

Contact Information:
Phone: 774.773.3404
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Sr. Business Development Manager
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800.413.4445 | www.vdci.net

The 64th Annual NMCA Meeting will be held at the Crowne Plaza Nashua in Nashua, NH from December 3-5, 2018. Room cost for NMCA start at $109 per night (single; plus tax) – please specify the “Northeastern Mosquito Control Association Annual Meeting” when you book your room. The reduced room rate is only available until Nov 9, 2018.

Crowne Plaza Nashua
2 Somerset Pkwy, Nashua, NH 03063
Tel: 603.886.1200 | Fax: 603.595.4199
Reservations: 1.800.962.7482
Website: http://www.cpnnashua.com/

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NMCA SCHOLARSHIP & AWARD INFORMATION

The NMCA Executive Board wants to remind everyone that it's never too early to begin thinking about the various scholarships, grants and awards that the NMCA offers to the membership each year:

- **The Bob Armstrong Award**: is given to a NMCA member for meritorious service to NMCA and mosquito control.

- **The McColgan Grant-in-Aid**: will go to an individual whose work is directly related to the advancement of operational mosquito control: for example, Surveillance technology, Spray technology, Biological control, Physical control, Data processing.

- **The Jobbins Scholarship**: The Jobbins Scholarship will go to a student whose work is in an area relevant to mosquito, biting fly control or other vectors in the Northeast related to disease transmission; for example, wetlands biology-ecology, entomology or vector parasitology. Studies may range in nature from purely ecological to strict vector control.

- **The Dave Scott Memorial Award**: This award is dedicated to the recognition of the fact that many advancements in our work come from the rank-and-file as a result of their time spent on the job, their experience and common sense. It may acknowledge an improvement in a procedure, a practice, any of the many operational strategies that we perform in mosquito control on a day-to-day basis.

- **The David H. Colburn Award**: This award is dedicated to David H. Colburn, charter member of NMCA, in recognition of his service to mosquito control and his perfect attendance for the first 50 NMCA Annual Meetings. NMCA members in good standing for at least 2 years and with 20 years consecutive or cumulative in mosquito control are eligible.

For more information on these awards, please contact the current NMCA President at president@nmca.org or check this link: [http://www.nmca.org/Scholarship.htm](http://www.nmca.org/Scholarship.htm)
mosquito control for health and comfort

It’s your Association – get involved!!

VISIT US ON THE WEB AT
www.nmca.org
NMCA ANNUAL DUES FORM

RENEWAL □ NEW MEMBER □ PAYMENT ENCLOSED □
PLEASE CONTACT ME □ DELETE MEMBER □ ADDRESS CHANGE □

NAME: ___________________________________________

ADDRESS: _______________________________________

CITY/STATE/ZIP: ___________________________________

AGENCY/BUSINESS: _________________________________

PHONE: __________________________________________

E-MAIL: __________________________________________

Annual NMCA dues are $30.00/year – PLEASE NOTE: REGISTRATION AT ANY ANNUAL MEETING INCLUDES NMCA DUES FOR THE FOLLOWING YEAR

PLEASE REMIT COMPLETED FORM & PAYMENT TO: John Shepard
PO Box 6522
Hamden, CT 06517
<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1955-56</td>
<td>Joseph F. Pannone</td>
<td>Amherst, MA</td>
<td>February 2 - 3, 1955</td>
</tr>
<tr>
<td>1956-57</td>
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