



NEW JERSEY  
MOSQUITO CONTROL  
ASSOCIATION, INC.

NEWSLETTER

VOL. XX NUMBER 2 May, 2008

President's Message

The 95th meeting of the New Jersey Mosquito Control Association held at Resorts International in Atlantic City was very successful and informative. Much credit is to be given to Doug Guthrie for his tireless role as president this past year. Many know that this concludes his third consecutive year in a presidential capacity, having served the two prior years as President of the Associated Executives. His committee selections and attention to detail allowed the annual meeting to flow seamlessly.

Special thanks must also be paid to the various committees and chairs whose combined efforts create the meeting. These include Convention Arrangements, Bill Reinert chair; Awards/Resolutions, Bob Outlaw chair; Commercial Exhibits, Mark Vlazny chair; Photo Salon, Doug Abdill chair; Program, Kristen Bartlett chair; Projection, Eric Willeges chair; and Registration, Paul McCall chair. Also, the training session before the actual meeting was very well organized, thanks to Heather Lomberg and that committee.

The meeting this year was a little unusual in that it was the last of three consecutive mosquito control meetings, including the Mid Atlantic and American Mosquito Control Association meetings preceding the New Jersey meeting. Some of our group also attended a Black Fly meeting prior to the mosquito meeting. Our additional thanks go out to the vendors, speakers and attendees of these meetings who had been continuously on the road for many weeks.

It is now nearly two months after the annual meeting as we turn our attention to the 96th NJMCA Meeting in 2009. We are only a few years away from our Centennial Meeting. The NJMCA has requested that New Jersey be considered as the location of that meeting in 2013. We trust that, as the first organization in the United States to meet this milestone, our request will be approved. In any event, our 100 year meeting will occur, whether as a joint meeting or not. We have only a few years to prepare. If any new ideas are proposed, we need to initiate and test them in advance.

The success of the annual meeting is largely due to the voluntary contribution of its members. As such, each member is encouraged to contribute an idea, author a paper, or serve on a committee. This level of cooperation will better allow us to focus upon the mosquito issues in all regions of our state as well as in the surrounding states.



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Most committees have a mix of individuals with many years of experience as well as new and highly motivated members, all of whom are open to suggestions.

A few other noteworthy items have occurred around the state. The U.S. Fish and Wildlife Service has begun taking steps to initiate a national policy for mosquito control. This will directly effect many of the counties in which the Service owns property. During an open comment period, many letters were written to the Service from both New Jersey as well as from the many surrounding states. We are now waiting to see what the results may be.

Also, the State Mosquito Control Commission has recently succeeded in filling the open position in their office. Mr. Anthony Becker received an under-graduate degree from Stockton University as well as a master's degree in biology and wetlands ecology from William Patterson University. With some experience in the field of private environmental consulting, he promises to be an additional source of help in procuring water management permits. With the many other duties assigned to him, including responsibilities in the equipment leasing program, Anthony will be a very helpful and busy person.

In closing, I would like to reiterate that the quality and content of the annual meeting is in the hands of its contributors. Participation is not only welcomed, but essential. Any new trials, discoveries, techniques or inventions unveiled over the course of the season could make for interesting presentations during the meeting.

I am very honored to have been chosen as the 96th President of the NJMCA, and wish everyone a very safe and successful mosquito season.

Sincerely,  
Richard Candeletti, President  
New Jersey Mosquito Control Assoc.

**NJMCA COMMITTEE ASSIGNMENTS  
2008-2009**

**CHAIRS AND MEMBERS**

**Annual Meeting**

**Convention Arrangements:** B. Reinert (Chair), M. Vlazny, S. Healy, H. Lomberk, P. McCall, J. Nunemaker and V. Thompson

**Awards/Resolutions:** B. Outlaw (Chair), B. Reinert, P. Conover, C. O'Malley, T. Candeletti, P. Pluchino and R. Schmidt

**Commercial Exhibits:** M. Vlazny (Chair), D. Brown, B. Kent, M. Senyk and B. Smith

**Photo Salon:** D. Abdill (Chair), T. Rainey, T. Duckworth and S. May

**Program:** K. Bartlett (Chair), S. Healy, B. Kent, M. Slaff, A. Farajollahi, M. Romanowski and S. Semple

**Projection:** E. Willeges (Chair), K. Bartlett and M. Vlazny

**Registration:** P. McCall (Chair), H. Emerson, K. Emerson and D. Mundt

**Other Committees**

**Archives:** J. Kranz (Chair), K. McMorland, P. McNulty, T. Verna, D. Sutherland, S. May, and T. Duckworth

**Auditing:** T. Candeletti (Chair), B. Zawicki, G. Levinson and V. Thompson

**Editorial Board:** T. Rainey, (Chair), P. Bosak, M. Slaff and G. Williams

**Education:** T. Duckworth (Chair), K. McMorland, J. Gruener, H. Lomberk, J. O'Neill, P. McCall and M. Romanowski

**Legislative:** V. Thompson (Chair), T. Candeletti, C. O'Malley, J. Hansen and J. Rigolizzo

**Membership:** J. Nunemaker (Chair), S. Healy (Secretary), B. Duryea (Newsletter), P. McCall (Registration), J. Kranz and S. Crans



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Other Committees Cont'd

**Newsletter:** B. Duryea (Chair), A. Aquaviva, D. Abdill, A. Farajollahi, B. Kent, P. McCall, T. Rainey and S. Healy

**PESP:** E. Green (Chair), H. Emerson, C. Musa, B. Reinert and K. Bruder

**Professional Training:** H. Lomberk (Chair), D. Abdill, S. Crans, W. Evans, J. Gruener, J. Kranz, L. Lynch, D. McIlwrath, V. Poulsen, E. Williges, W. Wurtz and M. Vlazny

**Public Relation:** M. Romanowski (Chair), K. McMorland, P. Bosak, C. Frame, S. Healy, C. Mayer and M. Senyk

**Research and Development:** G. Levinson (Chair), T. Aquaviva, M. Romanowski, P. Bozak and T. Rainey

**Scholarship:** T. Aquaviva/S. Healy (Chair), J. Hansen, J. Kuschke and M. Slaff

**University Liaison:** T. Rainey (Chair), P. Bosak, J. Hansen, S. Semple, G. Williams and A. Bilgrami

**By-Laws/501C (3):** S. Crans (Chair), V. Thompson, C. Musa and M. Slaff

**Professional Education Committee:** C. Musa (Chair), B. Kent, S. Crans, H. Lomberk and R. Candeletti

*New Jersey Mosquito Control Association, Inc.*

RESOLUTION

*Whereas, these annual meetings could not take place without the cooperation and effort of various committees, and;*

*Whereas, speakers from around the state and from across the country bring us the fruits of their labor and thinking, and;*

*Whereas, manufacturers and suppliers come to these meetings, some as regulars and some new this year, and exhibit the current materials and equipment for mosquito control, and;*

*Whereas, the association members and the management of Resorts Atlantic City have completed their Third year together with an outstanding meeting*

*Now, Therefore Be It Resolved that the New Jersey Mosquito Control Association, Inc. offers its thanks to all who contributed to the success of this, our ninety fifth Annual Meeting.*

*March 13, 2008*

**People News**

Dr. Marc Slaff (AKA Dr. X) will be “retiring” from Morris County at the end of June. Marc will be going to start as an Associate Professor at the Center for Vector Biology at the beginning of August. His primary focus will be on coordinating the Asian Tiger mosquito project. He will teach Medical and Veterinary Entomology in the spring semester if the demand is there.





NEWSLETTER

**Jamie Scott Becomes District Manager in Clear Lake County California**

Jamie Scott received her Ph.D. from Rutgers University in 2003 where she worked with *Aedes japonicus*. Jamie's research with *Ae. japonicus* included biological studies on the diel rhythm of oviposition behavior, developmental rates for each of the life stages, a PCR technique for the identification of blood meals, identification of blood meal hosts from wild caught specimens and virus isolation rates in nature.

Jamie is the new District Manager/ Research Director at Lake County Vector Control. Jamie had previously been employed as Vector Ecologist at the Placer County Mosquito Abatement District in California.

Lake County is in the Coastal Range, about 2 hours north of San Francisco and two hours northwest of Sacramento. The two most notable features are Clear Lake (the largest freshwater lake entirely in California) and Mount Konocti (an extinct volcano, rising nearly 3,000 above the Lake). It's a moderately sized county (1,258 sq. mi.) by California standards, with a small population (65,933 residents), and much of the land in the Lake County is national forest land.

Lake County is an exciting place to work. The Lake County Vector Control District is an unusual agency, and was founded in the 1950s to deal with a *Chaoborus astictipus* problem. Much of the economy of Lake County depends on tourism and recreation around Clear Lake. The "Clear Lake gnat" as it's locally known, emerged in such tremendous numbers that their depth was measured in inches on the streets and in feet under lights! You can imagine how that affected tourism! The District has made some applications to the lake that were successful in reducing the number of emerging *Chaoborus*, and we continue to monitor the *Chaoborus* numbers in the lake.

In the 1960s the District added mosquito control to its services, and today most of the control work is for mosquitoes. They also monitor a couple of alkaline lakes that produce biting *Culicoides* and provide control as needed.

Lake County VCD has a strong research history, largely because they have many uncommon or unique vector problems that require us to find our own solutions. The staff has published more than 70 articles in the last 40 years on a diversity of topics, most recently on *Aedes sierrensis*, *Orthopodomyia signifera*, *Ixodes pacificus*, *Culicoides*, WNV, and dog heartworm infection rates. Jamie is very pleased to have the opportunity to do some more container mosquito work. California lacks New Jersey's diversity of container-dwelling mosquitoes, but in Lake County, treehole mosquitoes are among the greatest problems, and there are some reliable *Orthopodomyia signifera* sources, which she hopes to do some work with in the future.

The District Office is right on the Lake, and we have our own dock, and the view is hard to beat! Jamie hopes that if any of you have the opportunity to come out to Northern California, you'll give her a call. Lake County is off the beaten path, but worth a side trip. It's a beautiful place, and biologically fascinating!

Her new contact information is below. Please note that email from Placer Mosquito account is not being forwarded to her new email address because of spam problems.

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District Manager/ Research Director  
Lake County Vector Control District  
P.O. Box 310  
410 Esplanade  
Lakeport, CA 95453  
Tel: (707) 263-4770  
FAX: (707) 263-3653



## NEWSLETTER

### Establishment of a RAMP Working Group in New Jersey

In house testing for West Nile Virus has been taking place in various county agencies throughout New Jersey utilizing RAMP (Rapid Analyte Measurement Platform). The results from these tests have not recorded anywhere in a common place, nor has there a means to discuss the testing process or address questions and problems that have arisen with the in house use of this system. As a result, a call went out to all mosquito agencies in New Jersey to see if people were interested in getting together to look into some of these issues.

An inquiry went out on July 13, 2007 but at that time there was little response due to the demands of the active mosquito season. Later in the year, on November 13<sup>th</sup> another call went out and many more responded. The first meeting of this group met on November 29<sup>th</sup> and was represented by 9 counties, Rutgers Center for Vector Biology and the Office of Mosquito Control Coordination. As of the third meeting on April 10, 2008 the group participants now include 38 individuals from 16 counties, Rutgers CVB, NJ OMCC, NJ DHSS and Suffolk Co. NY and Pa DEP.

An early activity undertaken by the group was to survey all the NJ counties to find out what the extent of the use was across the state (Joe Pezillo, Passiac County, took on this task). Sixteen counties currently have a RAMP system and it is used to varying degrees. How often it is used, what samples are tested and when, which are sent for confirmation at the state lab etc. were determined through the survey. Another initiative (taken on by Doug Abdill, Cumberland County) was to present a poster at the NJMCA Annual Meeting to describe what the focus of this group was and share information received to date. Another early activity was to establish a common reporting form for the data that each agency records on the samples being tested with RAMP. Eric Williges, Mercer County spearheaded the work on these related Excel files which are currently being provided to Dana Price at Rutgers, Center for Vector Biology for inclusion into a database.

In addition the follow topics have been or are being addressed/considered but is not necessarily all inclusive:

- Standardized list of supplies and equipment including replacement parts found to be better than that received with the kit itself. *Jenn Gruener, Sussex County, put together a list that can be expanded.*
- JAMCA articles on comparison of tests with RAMP vs. other methods, RAMP pool sizes etc.
- Comparison of RAMP readers using lot card and cartridge pairs tested on multiple readers. This will hopefully show a high level of consistency. *Tony Acquaviva, Monmouth County, was working on this and Louise Lynch, Essex County, is currently coordinating a comparison exercise.*
- Review of county lab set up and procedure protocol to be done by reviewing digital photos from each county that wishes to participate. *Lisa Reed, Rutgers CVB is assembling these photos for review by the group.*
- Address hygiene and safety issues by establishing agreed upon protocol and safety measures.
- Keeping a list of problems and solutions to assist others when they encounter the same situations. *Doug Abdill, Cumberland/Salem Counties, is maintaining this list.*
- Investigating causes of possible RAMP false positive, including exploring the possibility of an investigation into how much blood in a mosquito is too much to interfere with the RAMP results.
- Develop training for RAMP users. *Tadhg Rainey & Scott Crans were pursuing this initiative.*

Recording data in a common area and establishing a means for counties to provide the necessary information for entering it into that database. Rutgers was approached to allow the group to utilize RASP (Rutgers ArboSurveillance Platform) for this purpose. Dr. Gaugler agreed to offer the RAMP group use of this system on a trial basis for 2008. RASP can also serve as a means of providing the information noted above to all interested parties via posting pertinent information online.

Anyone interested in participating in this group, please contact Christine Musa, Warren County Mosquito Commission: [cmusa@nac.net](mailto:cmusa@nac.net) or 908.453.3585



NEWSLETTER

**NJMCA Nominating Committee  
Report - 2008**

In accordance with the Association Bylaws, the nominating committee was appointed by President Guthrie prior to the annual meeting. The NJMCA nominating committee met prior to the start of the Annual Meeting on Wednesday, March 12, 2008. A quorum was reached with 14 of the 25 named nominating committee members present. A slate of NJMCA members was developed for Officers, Trustees at Large and Executive Committee members and voted on. These individuals' names were then presented to the general membership at the business meeting later that same morning and were elected as follows:

**OFFICERS:**

President:	Rich Candeletti
1 <sup>st</sup> Vice-President:	Kris McMorland
2 <sup>nd</sup> Vice-President:	Heather Lomberk
Secretary:	Sean Healy
Treasurer:	Vicki Thompson

**EXECUTIVE COMMITTEE:**

(selected from Board of Trustees including Trustees at Large members below):

<i>Officers*</i>	<i>See Above</i>
<i>Past President*</i>	<i>Doug Guthrie</i>
Trustee:	Shereen Semple
Trustee:	Bob Outlaw
Trustee:	Bill Reinert

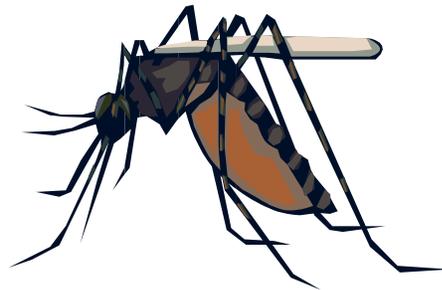
**TRUSTEES AT LARGE:**

(from General Membership in addition to "one regular member from each county (normally the Superintendent or equivalent), the Director or designated representative of the New Jersey Agricultural Experiment Station, one representative of the Mosquito Research and Control Unit, the Chair or designated representative of the State Mosquito Commission, one representative of the Office of Mosquito Control Coordination, the current officers and 2 immediate past Presidents"\*:

Member:	Shereen Semple
Member:	Bob Outlaw
Member:	Doug Abdill
Member:	Tom Verna
Member:	Ed Sokorai

*\* As defined in Association Bylaws*

Submitted on behalf of the 2008 Nominating Committee,  
Christine Musa, Chair





NEWSLETTER

**J. B. Smith Golf Fundraiser**

The Department of Entomology's Center for Vector Biology, at Rutgers University is hosting the first annual J. B. Smith Golf Fundraiser. The purpose of the fundraiser is to raise money for student travel to annual meetings for graduate students in the Entomology Department. The golf outing will take place on July 18, 2008 at the Princeton Country Club.

There will be a 30 minute presentation by George Hamilton at the end of the outing. Those staying for the presentation will receive one core credit. Additional details on the event, as well as online registration, can be found at the following website:

<http://vectorbio.rutgers.edu/golf.php>

Please register soon, as the date is approaching quickly. Thank you.

Kristen Bartlett  
Center for Vector Biology  
180 Jones Ave  
Rutgers University  
New Brunswick, NJ 08901  
krisb@rci.rutgers.edu  
7329329341



**25 Year Service Awards**

The following 25 year Service Awards were presented at the 95 NJMCA Annual Meeting in Atlantic City





NEWSLETTER

2008-2009 NJMCA Officer Induction



From Left: Heather Lomberk, Second Vice President, Sean Healy, Secretary, Vicki Thompson, Treasurer, Rich Candeletti, President, Kris McMorland, First Vice President. Peter Bosak administering the oath of office

NJMCA

Upcoming meeting dates for 2008

Meetings will be held at the Monmouth County Mosquito Commission, at 10:00 am unless otherwise noted.

19 June 2008 NJMCA BOT (general update, all committee chairs)

23 October 2008 NJMCA Executive Committee Meeting (pre-budget planning)

13 November 2008 NJMCA BOT (budget preparation)

18 December 2008 NJMCA BOT (budget vote if not finalized at November Meeting)

An agenda and previous minutes will be available before each meeting for review. If you have any issues to be put on the agenda, please let Rich Candeletti know (Email: [ocmosquito@comcast.net](mailto:ocmosquito@comcast.net), Phone: 609-698-8271).

In Memoriam

Larry Ferchak, Director of Essex County Mosquito Commission passed away on May 31 after a long illness. Larry had been named director in 2000 and had been employed for Essex County Mosquito Control for 37 years.

FROM THE MOSQUITO ARCHIVES....

"An inspector cannot thoroughly cover more than 480 acres in one day." Miller, F. Proc. NJMEA 19:74. 1932.

FROM THE MOSQUITO ARCHIVES....

Student essay from Atlantic City High School, 1919.

"In almost every case our property is the breeding place of these enemy soldiers, and our backyards, their training grounds, where they learn to use their bayonets, so skillfully on their part and so much to our discomfort. Their favorite breeding place is the Tin Can House of Baked Beans, Corn, Crisco, and Tomato Soup variety, which is located on a Back Yard, Vacant Lot, and Dump-no-Rubbish Streets..." Culbert, E. Proc. NJMEA 6:82-84. 1919.



NEWSLETTER

**AMCA RESOLUTION**

Designating the week in June each year that includes June 26th as

**“NATIONAL MOSQUITO CONTROL AWARENESS WEEK”**

WHEREAS, mosquito borne diseases (including Malaria, Yellow Fever, Encephalitis, Dengue Fever and Dog Heartworm) have historically been a source of human and animal suffering, illness and death in the United States and worldwide; and

WHEREAS, excess numbers of mosquitoes also diminish enjoyment of the outdoors, public parks and playgrounds, hinder outdoor work, decrease livestock productivity and reduce property values; and

WHEREAS, mosquitoes can disperse or be transported long distance from their sources (locally and internationally) and are, therefore, a public nuisance and health risk throughout the United States and the world; and

WHEREAS, since 1900, mosquito control professionals in the United States have recognized the need to develop and encourage effective and environmentally safe mosquito control activities in order to protect the health and welfare of the public, the environment and wildlife; and

WHEREAS, the American Mosquito Control Association (AMCA) was established on June 26, 1935 to provide a nationally organized network to help mosquito control professionals pursue these goals; and

WHEREAS, professional mosquito control based on scientific research has made great advances in reducing mosquito populations and the diseases that they transmit; and

WHEREAS, the AMCA is an active partner in the Pesticide Environmental Stewardship Program, working closely with the U.S. Environmental Protection Agency and the U.S. Department of Health and Human Services to reduce pesticide risk to humans, animals and the environment while protecting human health from mosquito borne diseases and nuisance attacks; and

WHEREAS, the public’s awareness of the health benefits associated with safe, professionally applied mosquito control methods will support these efforts as well as motivate the public to eliminate mosquito breeding sites on their own property; and

WHEREAS, educational programs are being developed to include schools and civic programs in order to meet the public’s need for information about mosquito biology and control; and

WHEREAS, students are encouraged to pursue an interest in biological and health sciences, to participate in science fairs, and to learn about mosquito biology and contribute to the reduction of mosquito populations; and

WHEREAS, “National Mosquito Control Awareness Week” would increase the public’s awareness of the activities of the various mosquito research and control agencies within the United States and around the world and highlight the educational programs currently available:

NOW, THEREFORE BE IT RESOLVED THAT the American Mosquito Control Association designates the week in June each year that includes June 26th as “National Mosquito Control Awareness Week”.

**New Jersey Mosquito Control Association Inc.**

**President**

Richard Candeletti, Ocean County Mosquito  
Extermination Commission

**1st Vice President**

Kris McMorland, Morris County Mosquito  
Extermination Commission

**2nd Vice President**

Heather Lomberk, Cumberland County Mosquito  
Control Division

**Secretary**

Sean Healy,  
Monmouth County Mosquito Extermination Commission

**Treasurer**

Vicki Thompson,  
Monmouth County Mosquito Extermination Commission

**Newsletter Committee**

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Doug Abdill  
Tadhg Rainey  
Ary Farajollahi  
Bob Kent  
Sean Healy  
Paul McCall  
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