

NEW JERSEY MOSQUITO CONTROL ASSOCIATION, INC. NEWSLETTER

VOL. XVIII NUMBER 1 January, 2006

President's Message

It is now that time of the year again. Our annual meeting fast approaches; the budget is set; committee chairs are preparing their annual reports for the business meeting recapping their efforts through the year and encouraging support where members feel attention is needed (or at least they should be); speakers are drafting their talks; the program is well along; registration packets have gone out; and we are encouraging all who can to join us in Atlantic City for what we hope will be a very interesting and informative gathering of mosquito control professionals.

Should you require any information regarding our annual convention please feel free to access our website @ <http://www-rci.rutgers.edu/~insects/committe.htm> and or reach out to our office staff in Headlee Labs @ 732.932.9341. We will be happy to answer your questions as we are able or pass you along to someone who can.

Before packing your bags, don't forget to pick up an item for the silent auction, this revenue is dedicated towards our scholarships and our students very much appreciate this support for their research. For those of you who may not know, the old Rutgers Entomology Department building (John B. Smith Hall) has been demolished – yes the building is gone and the view from Headlee Labs is quite different. Should you have a soft spot for a little bit of mosquito control history, with any luck, we will have a few of the bricks ready to auction off.

Also take a scan through your digital photos and bring down a few good shots for everyone to enjoy during the banquet. Heck, if they didn't win at earlier meetings you may have entered them at give them a try at ours. Cash prizes await those few really good shots that impress our judges. (This, I am told, is not that hard to do!) Let's make sure we get several photos in every category this year!

Oh yes, if you have not already done so it is still not too late to join up. Jack Nunemaker @ the Camden County Mosquito Extermination Commission 856.566.2945, skeeters@co.camden.nj.us is still collecting NJMCA membership dues and yes we are still a bit behind. If you are not sure of your status give Jack a call, you might be surprised who has yet re-up, I certainly was.

You should find this information in the registration packet sent out earlier. If you have not received this information for whatever reason, again I urge you to visit our website, nearly all of the information you will need for the meetings can be found there.

I am drafting up the nominating committee for the upcoming elections, yes it is also time to choose our next slate of officers for the coming year. Should you have any feelings on the matter I urge you to reach out to any county mosquito control Superintendent / Program Director and make your feelings known. They can discuss your ideas during the nominating committee meeting which is held early in the morning on the first day of the convention.

I would like you all to know, it has been a pleasure representing NJMCA this past year and I will look forward to all the fine work we can do while I rotate off the executive committee in the next few years.

I will look forward to seeing you in Atlantic City.

Your President, *Scott C. Crans*

Reds

Edward "Reds" Hansen, husband of Judy Hansen, passed away on Wednesday, January 4, 2006 after a lengthy illness. Reds was a lifelong resident of Cape May County and retired as Police Chief of Middle Township after 28 years of service. He was very active in local civic organizations and had many hobbies, including fishing and hunting. Together, Judy and Reds raised 6 children who in turn blessed them with 11 grandchildren. Reds often accompanied Judy to mosquito control meetings and so doing became a friend to many of us in the industry. Reds' camaraderie and friendship will be deeply missed by all who were lucky enough to have known him.

Peter Bosak

Rutgers, The State University of New Jersey

New Jersey Agricultural Experiment Station, Cook College

List of Certified Mosquito Identification and Habitat Recognition Specialists

Name	Year Certified	Affiliation
Bill Jany	1997	American Cyanmid
Bill Reinert	1990	Atlantic County MCU
Dana Chort	1991	Atlantic County MCU
John D. Abdill, Jr.	2002	Atlantic County MCU
Herman Ehrenberg	1990	Bergen County MCD
Kim Holden	1990	Bergen County MCD
Victor DeSario	1999	Bergen County MCD
Warren Staudinger	2000	Bergen County MCD
Claudia O'Malley	1990	Burlington County MEC
William S. McCombs Jr.	1990	Camden County MEC
Jack Nunemaker	1991	Camden County MEC
Jim McNelly	1990	Cape May County MEC
Pat Conover	1997	Cape May County MEC
Edward Sokorai	1999	Cape May County MEC
Alan Frame	2004	Cape May County MEC
Diane McNelly	2004	Cape May County MEC
Matt C. Diem	2004	Cape May County MEC
Heather Lomberk	2002	Cumberland County MCD
Ron Tussel	2002	EcoScien. Solutions
Larry Ferchak	1999	Essex County MCD
Mark DeDomenico	1999	Essex County MCD
Eric Williges	2004	Essex County MCD
Don McIlwrath Jr.	2005	Essex County MCD
Raymond J. Keyes	1990	Essex County MEC
Robert May	1990	Essex County MEC
John Sweet	1991	Gloucester County MCD

Wayne Wurtz Jr.	2000	Gloucester County MCD
Anthony Vallone	1991	Hudson County MCD
James George	2002	Hudson County MCD
Gary Donato	2001	Hunterdon County M&VC
John M. Phelps III	2003	Mercer County MCD
Rod Schmidt	1990	Middlesex County MEC
Kristian McMorland	1997	Middlesex County MEC
Vicki Thompson	1997	Monmouth County MEC
Chris Norton	2002	Monmouth County MEC
Dawn M. Brown	2002	Monmouth County MEC
Jeff Donnelly	1990	Morris County MEC
Bill Zawicki	1997	Northeast Vector Mgt.
Mike Romanowski	1990	Ocean County MEC
Rich Candeletti	1990	Ocean County MEC
Tom Candeletti	1990	Ocean County MEC
Taryn N. Crepeau	2002	Ocean County MEC
Sean McManus	2001	OMCC
Steve Csorgo, Jr.	2001	OMCC
Mark Vlazny	2005	OMCC
Mike Senyk	2002	Passaic County MCD
Donald Cornelius	1993	Rutgers University
Jamel Bishop	1999	Rutgers University
Jamesina J. Scott	1999	Rutgers University
Julee Mark	1999	Rutgers University
Tadhgh Rainey	1999	Rutgers University
Ary Farajollahi	2001	Rutgers University
Priscilla Collins	2001	Rutgers University
Jennifer Scigliano	2003	Rutgers University
Shaoming Huang	2003	Rutgers University
Kristen Bartlett	2004	Rutgers University
Patty Mulligan	1991	Salem County MEC
Barbara McKelvey	1997	Salem County MEC
Karen Fogg	2001	Salem County MEC
Michael Hajek	1999	SMCC
Henry Rupp	1990	Somerset County MEC
Scott C. Crans	1991	Sussex County MCD
Jeffrey S. Riker	1999	Sussex County MCD
Carolyn Vollero	1997	Union County MCD
Otha Holmes	1997	Union County MCD
Sean Devaney	2001	Union County MCD
Thomas Pareso	2005	Union County MCD
Robert Duryea	1990	Warren County MEC
Sara D. May	2001	Warren County MEC

Certification list as of 11 November 2005 and subject to change without notice

Martin Chomsky Remembered

On January 12, 2006, Martin S. Chomsky passed away unexpectedly of a heart attack at the Lakewood Atlantic Coast Rehab Center where he had been successfully undergoing extensive physical therapy as part of his 1 ½ year recovery from a life threatening infection.

Marty served as a Commissioner of the Monmouth County Mosquito Extermination Commission from February 1, 1975 to April 1, 1982; where he served with distinction as Vice-President and

President. He served as Superintendent and Executive Secretary of the Commission from December 1, 1985 to May 1, 2002.

Marty brought forty years of public health experience to the Commission. Under his pro-active leadership and guidance the Commission excelled in its performance to become a world class mosquito abatement program. During his tenure as Superintendent, Marty accomplished many great things and was a true advocate for mosquito control around the world.

Marty served as a leader in State and international mosquito control organizations and he interacted with academia, legislative and administrative officials on a State and national level.

Marty was instrumental in spearheading the legislative initiative to allow county mosquito commissions to assume leadership in tick assessment and management.

Because of his vision, the Tick-Borne Disease Program was established at the Monmouth County Mosquito Extermination Commission as a regional center for tick-borne disease prevention.

Marty often told me that his two passions in life were mosquito control and his family.

As great as his professional accomplishments were, his devotion and love for his family were far greater. Marty will be greatly missed by his wife Annette, his children Anita, Ronald, and Debra, his six grandchildren and friends.

As a lasting tribute to former superintendent Martin S. Chomsky, the Commission's Tick Program will be named in his honor. Additionally, consideration is being given to have a portrait of Marty painted and placed with honor in the Commission's Carmen Stoppiello Conference Room.

In respect and final tribute to Superintendent Martin S. Chomsky, the flag at the Commission building was flown at half-mast for 30 days. A resolution of the Commissioners in Marty's memory was presented to his family; and its contents spread upon the official record of the Monmouth County Mosquito Extermination Commission.

Doug Guthrie

UPDATE ON THE ACTIVITIES OF THE PROFESSIONAL TRAINING COMMITTEE

The members of the Professional Training Committee have been meeting on a monthly basis since August of 2005, working hard to prepare for the March recertification training courses. A few changes have been made to the program this year, which we hope will be met with audience approval. One of these changes involves the afternoon session. We have decided to put the Mosquito Jeopardy game to rest for awhile, and go back to a full day of speakers. It has been quite difficult, to say the least, to find willing participants to play the game. We hope that maybe in a few years we can revisit Mosquito Jeopardy with some renewed vigor!

Since last year's training sessions, various people have given us ideas, so we have tried to include them in this year's program. The 2006 training sessions will contain a variety of topics with expert speakers. A new feature to our program is a water management talk, and we hope to continue incorporating this topic every year. There will be something for everyone too, with talks ranging from purely technical in nature to very practical information that can be utilized by all of us in our daily operations, both in the office and out in the field. We are confident that you will enjoy this year's program, and we hope that all of you will continue to give us your thoughts and ideas for future topics.

As usual, we have asked that the NJDEP give us credits for attending the training sessions. The following are the credits that we are seeking: 1 in 8A, 3 in 8B, 1 in 10, 2 in 11, and 1 in Core. We have also sent the training

information to the New Jersey Department of Health and Senior Services for continuing education units for Health Officers and others in the Health field, and to New York and Pennsylvania for credits in categories that correspond to New Jersey's. If you are looking to register for one of the March training sessions, the registration packets were mailed and, in some cases, hand-delivered in December to all New Jersey certified applicators in 8B, 10, and 11. If you or your supervisor has not yet received one, you can either visit the NJMCA website at www.njmosquito.org, or you may contact me at 856-453-2170 or at heatherlo@co.cumberland.nj.us. Another change to our program this year is the venue for both sessions. The southern session will be held at Resorts Hotel and Casino on March 14th, and the northern session will be held at the Holiday Inn in Somerset on

March 28th. Please do not hesitate to contact me if you have any questions or need any more information.

The committee would like to thank everyone who has given us ideas and provided assistance with this very large undertaking, especially our speakers and Dr. Lisa Reed. In addition, I would like to thank all of the committee members for their hard work and enthusiastic participation; I could not have done any of this without you!

The committee members are:

Doug Abdill, Atlantic County Office of Mosquito Control

Scott Crans, Rutgers University

Bill Evans, Essex County Mosquito Control

Kris McMorland, Morris County MEC

Diane Nale, Rutgers University

Carol Terry, Rutgers University

Tadhgh Rainey, Hunterdon County Mosquito & Vector Control Program

Eric Williges, Essex County Mosquito Control

Wayne Wurtz, Gloucester County Division of Mosquito Control

Sincerely,

Heather A. Lomberk

Chairperson of the Professional Training Committee

Cumberland County Mosquito Control Division

Salem County Mosquito Ext. Commission

DRAFT PROGRAM - New Jersey Mosquito Control Association

93rd Annual Meeting, 15-17 March 2006 Resorts, Atlantic City, New Jersey

TUESDAY, MARCH 14

Pesticide Applicator Recertification Training Session

Separate registration required.

9:00 AM – 3:00 PM

President's Reception

6:30 PM – 7:30 PM

WEDNESDAY, MARCH 15

Nominating Committee Meeting

7:00 AM – 8:00 AM

Session A, **9:00 AM – 12:00 PM**, Moderator – Scott Crans

Welcome and NJMCA, Presidential Address, Scott Crans, NJMCA President

AMCA National Report, Joseph Sanzone, AMCA President

AMCA North Atlantic Regional Report, William Reinert, AMCA Regional Director

Report of the NJ State Mosquito Control Commission and The Office of Mosquito Control

Coordination, Robert Kent, NJDEP Office of Mosquito Control Coordination

Memorial Lecture Honoring Martin S. Chomsky, Judy Hansen, Cape May County Mosquito Commission (Retired Superintendent)

NJMCA Annual Business Meeting

LUNCH ON YOUR OWN

WEDNESDAY, MARCH 15

Session B,

1:15 PM – 4:30 PM

Moderator – Marc Slaff

Evolution of a Biosafety Level 3 Laboratory in Cape May County NJ, Karen Hedstrom, Cape May County

Department of Mosquito Control The New Jersey State Surveillance Program 2005, Lisa Reed, Department of Entomology, Rutgers University, Wayne Crans, Professor Emeritus, Department of Entomology, Rutgers Univ., Robert Kent, NJDEP Office of Mosquito Control Coordination

Mosquito-borne Encephalitis in New Jersey 2005, Wayne Crans, Professor Emeritus, Department of Entomology, Rutgers Univ., Robert Kent, NJDEP Office of Mosquito Control Coordination
Blood Meal Analysis of *Culex territans*, Kristen Bartlett, Department of Entomology, Rutgers University

Diel Biting Activity of West Nile Virus Mosquito Vectors to Horses, Jennifer Gruener, Department of Entomology, Rutgers University, (2004 Daniel M. Jobbins Scholarship Recipient)

Wild Bird West Nile Virus Serosurvey at Equine Facilities, Lisa Reed, Department of Entomology, Rutgers University

WEDNESDAY, MARCH 15

6:00 PM – 7:30 PM

Exhibitors' Reception

THURSDAY, MARCH 16

8:00 AM - 9:30 AM

Continental Breakfast and Exhibitors Presentations

THURSDAY, MARCH 16

Session C, 9:30 AM – 12:30 PM, Moderator – Bill Reinert

Pesticide Efficacy Field Trials, Scott Crans, Rutgers University Office of Continuing Professional Education

Expression of Cytochrome P450s, CYP6P10 and CYP6B10 in the Salt Marsh Mosquito *Ochlerotatus sollicitans*, Shaoming Huang, Department of Entomology, Rutgers University, (2005 NJMCA Daniel M. Jobbins Scholarship Recipient)

Resistance Management: Bottle Bioassay, Wayne Andrews and Priscilla Matton, Bristol County (MA) Mosquito Control Project

Expression of *Ochlerotatus sollicitans* Cytochrome P450 Reductase Activity in *Escherichia coli*, Debin Sun, Department of Entomology, Rutgers University, (2005 NJMCA Educational Scholarship Recipient)

Resmethrin Residues Detected Following ULV Applications, Roy W. Meyer and Anne A. Rush, New Jersey Department of Environmental Protection Pesticide Control Program

Symposium: Black Fly Research and Control, Moderator – Scott Crans

The New Jersey Black Fly Surveillance Program, Scott Crans, Rutgers University Office of Continuing Professional Education

Pennsylvania's Black Fly Suppression Program: Operations in the Delaware and Schuylkill River, Benjamin Russell, Pennsylvania Department of Environmental Protection

The Biodiversity and Biogeography of New Jersey Black Flies, Diana Carle, Rutgers University

Black Fly Biology and Summary of Non-target Organism Impact Studies on the Delaware River, David Rebeck, Pennsylvania Department of Environmental Protection

Black Fly Colony Rearing and Research at the University of Georgia, Elmer Gray, Jay Overmyer and Ray Noblet, Dept. of Entomology, University of Georgia

LUNCH ON YOUR OWN

THURSDAY, MARCH 16

Session D, 1:45 PM – 5:00 PM, Moderator – Vicki Thompson

Targeted Trapping of Mosquito Vectors in the Chesapeake Bay Area of Maryland, Scott Shone, New Jersey Department of Health and Senior Services, Johns Hopkins Bloomberg School of Public Health

Mosquito Control and GIS, Priscilla Matton and Wayne Andrews, Bristol County (MA) Mosquito Control Project
The N.J. State Airspray Program, 2005, Claudia O'Malley, NJDEP Office of Mosquito Control Coordination
GIS/GPS at the County Level: the Integration of Mosquito Control with Other County Agencies, John Phelps and Matt Lawson, Mercer County Mosquito Control
Ecology and Distribution of Native and Introduced Phragmites in the Mid-Atlantic Region, Robert Meadows, Delaware Division of Fish and Wildlife, Mosquito Control Section
Performing "Integrated Mosquito Management" on National Wildlife Refuge Wetlands – Challenges and Successes in Delaware, William Meredith, Delaware Division of Fish and Wildlife, Mosquito Control Section
Old Wilmington Marsh Restoration, Thomas Moran and Bob Meadows, Delaware Division of Fish and Wildlife, Mosquito Control Section
The NJ Department of Agriculture's Biological Pest Control Programs, Robert Chianese, Mark Mayer, and Daniel Palmer, NJ Department of Agriculture
Current Efforts to Establish a Program Utilizing Copepods as a Biological Control Agent for Mosquito Control, Robert Kent, Claudia O'Malley, and Mark Vlazny, NJDEP Office of Mosquito Control Coord.

Daniel Palmer, New Jersey Department of Agriculture

THURSDAY, MARCH 10

6:00 PM – 9:30 PM

Silent Auction, Photo Salon, Awards, and Banquet

FRIDAY, MARCH 17

Session E, 9:00 AM – 12:00 PM, Moderator – Tadhgh Rainey
Report of the New Jersey Agricultural Experiment Station, Rutgers University, Robert M. Goodman, Dean of Rutgers University's Cook College, Executive Director, NJ Agricultural Experiment Station, Executive Dean for Agriculture and Natural Resources, Rutgers University
Preliminary Observations on Inconsistencies in Control of Salt Marsh Mosquitoes Using Aerially Applied Abate 4E and Altosid SR-20, Claudia O'Malley, Robert Kent, William Reinert, John Abdill, Thomas Verna, Walter Jones, Joseph Cox, Heather Lomberk, Michael Romanowski, Michael Senyk, Mark Vlazny, and Steve Csorgo, NJDEP, Office of Mosquito Control Coordination; Atlantic County Office of Mosquito Control; Burlington County Division of Mosquito Control; Cumberland County Department of Mosquito Control, Ocean County Mosquito Comm.
Observations on High Rate Liquid Bti Applications by Helicopter on Salt Marshes, Mike Senyk, Michael Romanowski, Thomas Candeletti, and Richard Candeletti, Ocean County Mosquito Commission
Using GIS Technology in Planning and Implementing Truck Adulticiding in Pittsburg, Pennsylvania, Dan Markowski, Vector Disease Control Inc.
Yearly Variation in West Nile Virus Antibodies in American Kestrels in Pennsylvania, Darcy Medica, The Pennsylvania State University, Schuylkill Campus
Japanese Encephalitis and Electronic Mosquito Control Design for Nepal, Raakesh Chandra Prajapati and Peter Freere, Kathmandu University, Nepal
Interesting Populations of Culex pipiens and What They Tell Us About the Origin and Evolution of the Complex, Dina Fonseca, Academy of Natural Sciences, Philadelphia, PA
Avian Influenza Surveillance, Sunny Geiser, NJ Department of Agriculture, Division of Animal Health
Emerging Tick-borne Diseases in New Jersey, Sean Healy, Monmouth County Mosquito Commission
Of Breeding and Other Issues, NJMCA Editorial Board, Tadhgh Rainey, Henry Rupp, Marc Slaff, Peter Bosak, and Lisa Reed
Closing Remarks, Tadhgh Rainey, NJMCA President

NJMCA Membership Application



Name: _____ Title: (Dr.,
Director, Commissioner) _____

Work
Address: _____

City: _____
State: _____ Zip: _____ Work
Phone: (_____) _____

Work E-
Mail: _____
_____ Work

Fax: (_____) _____

Home Address: _____

City: _____ State: _____ Zip: _____ Home
Phone: (_____) _____

Home EMail: _____

Dues Payment for the Year 2005 Thirty (\$30.00) per Member per Year

Total Number of Memberships _____

@ \$30.00 ea. - Total Amount of Invoice _____

Make Checks or Voucher Payable to: **New Jersey Mosquito Control Association, Inc.**

and send to:

***New Jersey Mosquito Control Association, Inc.
c/o Camden County Mosquito Commission
2311 Egg Harbor Road
Lindenwold, NJ 08021***

Seasons greetings everyone!!!

Well, it's the time of year again... yes the time when we hope and pray that our most talented colleagues will come out of the woodwork and treat us to great photos.

I know what you're thinking..."Gee Tadhgh, you said the same thing last year... I had a few drinks and those photos were still really bad..."

Not to fear my friends... we're moving in the right direction. For example, here's Mark Vlazny's entry from last year:

Granted, it's no Picasso, but let's face it: we kill bugs for a living. This photo ain't too bad after all, now is it.

Stand up and be counted!!! Submit photos...and lots of them!!!

Tadhgh Rainey, Chair

2006 Photosalon Committee

Click [here](#) for your very own Photo Salon form!