



# LeMaringouin

November 2011

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## Message from the President



Tropical storm Lee made landfall September 2, 2011. The storm brought as much as 6 to 10 inches of rain to some areas. The flooding of low lying terrain intensified floodwater mosquito populations across the state. As a result, mosquito control programs have increased aerial and ground control operations in an effort to address this issue.

October 31, 2011 is the deadline for implementation of the National Pollutant Discharge Elimination System (NPDES) permitting system for application of public health pesticides. The AMCA, the LMCA, colleagues across the country, and other interested stakeholders have worked extensively to have the legislature prohibit imposing these permits. This legislative process is ongoing and the issue has not been resolved. Fortunately for Louisiana, the process and requirements for NPDES permits may be less involved than in some areas of the country. Members of the LMCA Board of Directors will meet with LDAF officials to work on details regarding compliance for licensed mosquito control applicators in Louisiana. The results will be provided to the membership.

The 2011 LMCA Annual Meeting, November 29, 2011 – December 1, 2011 in Covington, Louisiana is in the final planning stages. **You** are the most important part of the annual meeting. Please visit the LMCA website ([www.lmca.us](http://www.lmca.us)) to download a registration form. For discounted rates, please register by November 12, 2011. Forms for submitting a presentation are also available on the website. Every district and program has something to share. Your projects, control techniques, public education projects, or just what is going on in your office can be shared. Submit your forms to submit presentations as soon as possible. You may reserve a room now by calling (985) 893-3590, Clarion Inn & Suites, 501 N. Hwy. 190, Covington, LA. To receive the LMCA rate of \$83.00 per night, be sure to say your reservation is a LMCA reservation. Breakfast is included each morning. See you in Covington!

Herff Jones  
LMCA President

## 2010 LMCA Annual Meeting

Covington, LA



**November 29 thru December 1, 2011**

The LMCA Annual Meeting will be held in Covington, LA on Tuesday November 29th thru Thursday December 1st at the Clarion Inn and Suites Conference Center Hotel. The conference is an opportunity for members to interact with colleagues, obtain the latest information concerning all aspects of mosquito control and an opportunity to earn credits required to maintain the State of Louisiana Pesticide Applicator's License. Room rates are \$83.00 per night. When making reservations ask for the LMCA block.

Clarion Inn and Suites Conference Center  
501 North Hwy 190  
Covington, LA 70433  
985-893-3580

**Overflow Hotel**  
Country Inn & Suites  
130 Holiday Blvd  
Covington, LA 70433  
985- 809-0467

## NPDES UPDATE



The stay issued by the 6<sup>th</sup> Circuit Court in its ruling requiring NPDES permits for pesticide applications to and near water will expire on October 31, 2011. After this date, most mosquito control programs will require an NPDES permit for normal operations. At this point, there are several things that could happen:

- ✓ The legislation in congress could pass exempting pesticide applications from CWA requirements and re-establishing the primacy of FIFRA (unlikely)
- ✓ EPA might request and receive another stay from the court to allow more time to develop the national NPDES permit (somewhat likely)
- ✓ The stay expires at the end of October, and NPDES permits are the 'law of the land' (most likely)

The upside to all of this is that Louisiana is one of the few states to have an approved permit. Thanks to the efforts of the LDAF and the LDEQ, compliance with the new permit should be relatively painless. This permit will go into effect on November 1, 2011, or at the expiration of a new stay if one is granted by the court.

Stay tuned.

## District News

### Caddo

Greetings from Caddo parish. The summer of 2011 has been very hot and dry. We have had 62 days of triple digit heat and no rain to go with it. This has led to very low mosquito counts and low public complaints. The weather also caused a number of wildfires in the northern rural part of the parish, destroying many acres of woods. When the weather turned a little cooler in September and we had some rain, the fires stopped and the mosquito counts began to rise. Both gravid traps and CO2 light traps saw an increase in collections. The main mosquito in the light traps has been *Aedes vexans*. We also saw an increase in our "quink" population.

We were fortunate Tropical Storm Lee did not affect us. We have struggled to collect mosquitoes during the summer to submit for testing. A number of times the light traps would have 0 mosquitoes in them. All of our pools have been negative this year. On the construction front we have put a fence around the property for security purposes and we hope to work on a new chemical facility next year. We are hoping for a quiet end to the year.

### Calcasieu

Drought conditions have kept mosquito populations below average for most of the season. However, we have had a couple of salt marsh mosquito outbreaks. The first outbreak came a couple of weeks after tropical storm Lee moved through. We did not receive the abundance of rain as our neighbors to the east, but it was enough to hatch off a good brood of mosquitoes. In October high tides produced the second large outbreak of salt marsh mosquitoes. In a couple of days landing rates jumped from zero to a hundred a minute along the southern part of our parish. Residents were surprised we could have a major outbreak with no rain. Patrick Beebe in Orange called and said "can you believe this, we are under a burn ban and having a mosquito outbreak". Aerial and ground treatments brought populations under control within a couple of weeks.

West Nile activity in Louisiana and our parish was at an all time low for 2011. By the middle of August we had only 3 positive mosquito pools for the year and these were found in Lake Charles. Things changed quickly when 2 human WNV NID cases were reported September 16th and 23rd. Both of these cases were from the same residential area in Lake Charles. This area is about 3.5 miles SE of first Lake Charles positive mosquito pools found in August.

One of the human cases was a female senior citizen and the other human case was a female between the age of 20 to 25. Viral activity continued in human case area after several aerial

treatments and consistent ground ULV treatments. Another positive mosquito pool came in on September 29th, two weeks after the first human case was reported.

The last human cases in Calcasieu were reported in 2008. It's not the first time we have seen arbovirus activity during very low mosquito populations. It is hard to predict what mother nature will do.

We seem to be easing into the later part of the mosquito season. We are looking forward to the off season and meeting up with everyone at the LMCA Annual Meeting in Covington. Hope to see you there.

### Cameron

Cameron Parish has experienced one of the slowest years as a whole; but when it rains it pours. We have experienced a severe drought all year with the marsh, ditches, and some canals dry and cracking. These areas were full of eggs just waiting for water, and water they got. The first substantial rain we experienced came in mid-July. We received 9-12 inches across the lower part of the parish and about 4-5 inches across the north from the first day of rain. Then it rained somewhere if not everywhere, every day for another week. When *Aedes sollicitans* hatched they came out with a vengeance. At first we were experiencing landing rates of 50-100 per minute parish-wide and they remained well above normal for four weeks. After aerial and ground spraying for nearly every day during those four weeks, they were finally under control.

All was good until Tropical Storm Lee came ashore in early September. We only got four inches of rain in most areas of the parish, but once again the drought conditions were in place with everything dry and cracking. This time the cracks had even more eggs left behind from those broods in July and August, and we had another outbreak parish-wide. This time, species included nearly every floodwater species found in our parish. After pounding these mosquitoes by ground and air nightly for a week and a half they were reduced back to normal. Now the mosquitoes are below average and we are finally able to enjoy the best time of the year for fishing, shrimping, and crabbing without having to worry about mosquitoes for a little while. We have not had any mosquito virus activity this year or hurricanes to worry about. Hopefully both of these will hold off for another month or so until the winter weather arrives.

## District News

### EBRPMARC

Thanks to Tropical Storm Lee we have been busy with hatches of *Aedes vexans*, *Psorophora ferox* and several other floodwater mosquitoes. **Guy Faget** is eagerly awaiting the arrival of our "new" airplane. **Fred Augustine** has captured lots of negative wild birds this year and, likewise, Larry Hudson and **Mike Morganti** have submitted lots of negative mosquito pools to the LSU Diagnostic Lab. We have a couple of new employees here at EBRPMARC and one of our inspectors recently passed his exams at LDAF.

Things went slowly mosquito wise until recently when rain events from Tropical Storm Lee dumped lots of water in the parish. Parishes to the east and south tended to get even more water and a lot of their mosquitoes found their way into EBR Parish. Thanks Jeanine (Livingston) and David (Assumption)! Our plane and trucks have been busy combating these foreign devils. Guy reports that eleven missions were flown, enough to treat 180 square miles of EBR Parish. There were a few cancellations due to weather. We also continue to get some floodwater mosquitoes hatching from some areas inside EBR Parish.

We collected lots of wild birds and mosquitoes this year but have had very few West Nile positives, and no SLE or EEE positive pools. Fred Augustine reports that WNV positives in wild birds have decreased over the last four years. He reports that we had 106 positives in 2007, 54 in 2008, 30 in 2009 and only 6 so far in 2011. For 2011 we had 1 House Sparrow and 1 Purple Finch positive in January. We had 2 positives in February, a Slate-colored Junco and a Northern Cardinal. During the summer we had 1 Northern Cardinal positive in July and 1 more in August. Some wild bird bloods collected earlier in the year have not been tested so there may be a few more positives before the year ends. But we will not reach the level of activity we have seen in previous years. Mosquito positives have followed a similar trend for 2011, with very few positive pools, which is ok with us.

Two new employees came on board since the last newsletter. **Gregory Coles** has joined us as an Inspector I and Mike Morganti rejoined the district as a Mosquito Control Specialist. Welcome to Gregory, and welcome back to Mike, who worked here at EBRPMARC many years ago and went off to work in private industry for over 20 years. Congratulations to Inspector I **Carlos Emery** recently passed his 8A, 8B and General Standards test. Great Job!

Guy Faget recently took a trip to England to inspect our "new" Islander. He says driving on the wrong side of the road is "interesting". Guy reports that "our rebuilt 1977 Islander is being completed with a mid-November delivery target. Presently, the new paint must be finished and the aircraft test flown for engine break-in prior to ferrying. We greatly look forward to receiving the aircraft." Guy says the plane looks

good. It will be equipped with an on board weather station, Micronaire Spray System, Wingman Computer system, etc, etc. when it arrives here in Baton Rouge later this year.

### St. Tammany

We were hoping for a repeat of last year's below average mosquito activity level, and it appeared midway through the summer that we were close to being on that tract. However, in late July and early August, due to heavy rainfalls, a large brood of woodland floodwater mosquitoes emerged, which proved to be a precursor of things to come. Prior to the late July rainfall, the parish was about 15 inches below normal for rainfall and we were dealing mainly with "quinks". On the first of September, Tropical Storm Lee dumped 10-12 inches of rain throughout the parish and pushed tides about 4 feet above normal. Not long afterwards, we had the largest outbreak throughout the parish of woodland floodwater mosquitoes since Hurricane Katrina. Salt-marsh mosquitoes moved in along the coastal areas of the parish. Because the mosquito infestation was throughout the entire parish, it took many aerial applications in addition truck spraying to bring the populations down. Some areas had to be retreated due to re-infestation.

So far we have escaped any serious problems with West Nile virus. The only confirmed human case occurred in mid-July from a blood donor. MRI's have been running between 0.63-1.08 for all species and 0.33-1.67 for "quinks." There have been no positive mosquito pools for the past 3 weeks.

We continue to conduct trials on the effects of temperature inversions on aerial spray particle distribution and deposition. So far we have conducted 15 such trials and it appears that a trend is developing with considerably less droplets collected when there is a temperature inversion of 4-5 degrees centigrade. We still need to conduct more trials to obtain a more conclusive determination in regards to the point at which a temperature inversion renders an aerial application non-effective. Two trials were recently scrubbed when a National Guard Black Hawk Helicopter unexpectedly conducted maneuvers right over our test area where the droplet impingers were operating to collect droplets. Viki is working on a project to determine the efficacy of aerially applied larvicide for the control of *Aedes albopictus* in the event of Dengue fever. She has also been conducting bottle assays on "quinks" with Dibrom®, Scourge® and Duet®. Other projects included efficacy testing of aerially applied Duet® against woodland floodwater mosquitoes and field trials with Vectolex CG® vs. Vectolex WDG® against "quinks" in roadside ditches.

## District News

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### Iberia Parish Ribbon Cutting



The big news from Iberia Parish, Tuesday, August 23rd marked the official dedication and ribbon cutting for the completed Iberia Parish Mosquito Abatement Facility. The event was enjoyed by all, plenty of compliments as well as support from our out of town colleagues. Our staff and employees would especially like to thank all of our “mosquito control visitors” for making the trip! The \$2.1 million dollar project was completed late February this year and occupied March 24th, 2011 for mosquito control operations. The facility is a 6 acre development, with four main structures --- administrative office, truck parking, chemical storage and aircraft hangar. Buildings, public parking and concrete pad with access to taxiway occupy about 75,000 sq. ft., so we have plenty room for expansion in the future. Operations have been running smoothly with a significant increase in aerial operation for the month of September. So far, this year the district has flown 217,600 acres --- 120,320 acres flown in September. Night time ground ULV spraying remains busy --- our drivers have done a tremendous job handling the large numbers of citizen spray requests with same day service. Our ground larviciding crew has gone beyond expectations with unprecedented coverage on foot and by vehicle mounted larviciding units. Disease surveillance has been quite a different story. We have submitted over 1,600 pools from 25 different locations and NO (zero) positives this year! We are literally sitting on pins and needles with no indication what to expect from mosquito – borne disease this year.



## District News

### Tangipahoa

Throughout most of the summer, dry conditions led to very low mosquito counts. Tropical Storm Lee changed all that, and caused us to have a very busy September with large up-surges in a number of woodland species (particularly *Psorophora ferox*).

After spending much of the Spring dealing with various issues regarding our Aztec aircraft and its spray system, life became much easier once the plane was fully operational. This was evident when we were able to perform quite a few aerial applications in September.

Our West Nile activity has been more subdued this year than in previous years. We had one human case in July, but as a whole, there were fewer positive mosquito pools than in recent memory.

The District is currently working with Leading Edge Associates in the development of a custom application of MapVision. We are excited about its capabilities, and expect the finished product to be installed by the end of the year.

### Vermilion

Well, September means two things for coastal Louisiana; Speckled Trout and mosquitoes. Unfortunately, the only one of these I've been able to wrangle with thus far this fall is the latter.

Tropical Storm Lee brought only an average of 5" of rainfall, but it also raised the tides in our marshes. Rice is also at \$25/barrel, which means there is an increase in 2<sup>nd</sup> crop floodings. This combination of Mother Nature and commodity prices brings job security to any mosquito control professional within 50 miles of coast or crop. With that increase in floodwater species comes the obligatory phone calls about not being able to go outside, mosquitoes carrying students away from the bus stop, and claims that the truck hasn't passed on particular streets since last year. But hey, at least these citizens are asking for increased adulticiding instead of MSDS's! I always remember Josh Hightower's presentation a few years back where the guy covers his baby's mouth with his hand and waves the truck to spray around his home. That right there's funny, I don't care who you are! As a result of the recent outbreak of floodwater species, we were able to treat 150,000 acres in 4 days by air.

This spring, we converted the contract airplane from Teejet tips to Micronair AU5000 heads and the result is a more consistent application. Another significant advantage to this type of dispensing apparatus is that by reducing the number of tips from 8 to 2, there are fewer tips to clog, and by the very

nature of the Micronairs, clogging at the tip is virtually eliminated. Line clogs are still a rare occurrence, but nothing is foolproof. Hopefully, the fall mosquito season will wind down in the next month and we will be able to gather for yet another spectacular LMCA fall meeting in Covington.

### Orleans

It was a very hot and dry summer in New Orleans and mosquito populations were low through late August; however heavy rains from T.S. Lee caused a dramatic increase in September. Broods of *Aedes sollicitans*, *Ae. vexans*, *Ae. taeniorhynchus*, *Psorophora columbiae*, and *Culex salinarius* emerged in Eastern New Orleans causing a surge in complaints. Our response has included ground and aerial treatments, both with assistance from St. Tammany Parish and using our own Britten-Norman Islander. We are happy to have the plane back in service and welcome our new pilot, Ed Foster. Ed is originally from New Orleans, he has been in Titusville, FL for past decade working with Pratt and Whitney in aircraft import and export, delivery and maintenance.

Arbovirus activity has been low. Out of 400 pools submitted, one pool of *Cx. quinquefasciatus* tested positive for WNV; no human cases have been reported.

In partnership with ongoing studies at Tulane, we have increased monitoring for *Ae. albopictus* and *Ae. aegypti* by collecting mosquito larvae from cemeteries vases and by placing ovitraps in locations that have not been closely monitored in the past few years. We plan to incorporate the results of this survey into the LMCA Dengue Response Plan.

In September, we finally began the move into our new building at 2100 Leon C. Simon Blvd. across from the University of New Orleans. We are still working to move in equipment and personnel, and are planning an open house in the near future.

Finally, Steve Sackett has retired and is living the good life in Sportsman's Paradise. Steve supervised the mosquito field activities and has been involved with many research projects over the years. We are happy to report that we have hired Sarah Michaels to replace him. Many of you have known Sarah since 2002 when she was West Nile Virus Surveillance Coordinator for the Louisiana Office of Public Health and later with Dr. Dawn Wesson at Tulane University. Sarah says, "I am very excited to be on staff here at NOMTRCB and look forward to working with you in this new capacity."

## Matt Yates — Retirement Ceremony



On July 6<sup>th</sup> 2011, the Staff and employees of EBRMARC held a Retirement Ceremony for Matthew M. Yates from 12 -3pm for his 26 years of dedicated service. Those in attendance came from the EBR Metro Council, EBR Department Heads, Mosquito Control Directors and Mosquito Products Industry Representatives. A slide presentation of Matthew from his early years to the present was on display in the district training facility. A delicious assortment of food and cake were professionally prepared and available for guest and many well wishers. The cake in particular provided a picture of Matthew and his newest project—a Black Labrador Retriever named “Darby” that Matt will be training to hunt with him.

Many in attendance made remarks and spoke kind words about their association with Matthew. Some even reflected on the positive relationship that had been built with Matt since he took over the mosquito control district several years earlier. Mary Roper, our Parish Attorney, spoke of the professionalism Matthew has always exhibited as they worked together to fashion several ordinances for the parish. Tom Wells of Adapco Incorporated spoke of the always positive working relationship his company has had with Matthew and EBRMARC staff. One of the most interesting remarks made during the testimonies came when it was pointed out that three present mosquito control directors cut their teeth under Matthew Yates’ tutelage. Those Mosquito Directors were; Jeannine Tessmer Livingston Parish, Dennis Wallete Tangipahoa Parish, and Herff Jones Iberia Parish. Finally, following remarks by Matthew himself, gifts were opened and photos were taken as he interacted with many in attendance for the remainder of the afternoon. Matthew enjoyed the ceremony and was joined by his wife Brenda and several members of his immediate family.



# 2011 LMCA Annual Meeting

November 29<sup>th</sup> to December 1<sup>st</sup>

Registration Form - *Deadline November 12<sup>th</sup>*

**Clarion Inn & Suites**  
**501 N. Hwy. 190**  
**Covington, Louisiana**  
**(985)893-3580**

Name for Badge:		
Affiliation:		
Mailing Address:		
City:	State:	Zip:
Phone: ( )		
FAX Number: ( )	Email:	

Registration Type: (check one)	<u>On or by November 12<sup>th</sup></u>	<u>After November 12<sup>th</sup></u>
LMCA Member	<input type="checkbox"/> \$120	<input type="checkbox"/> \$140
Non-Member	<input type="checkbox"/> \$145	<input type="checkbox"/> \$165
Companion	<input type="checkbox"/> \$ 40	<input type="checkbox"/> \$ 40
Student	<input type="checkbox"/> \$ 60	<input type="checkbox"/> \$ 60

**Total Registration:**

LMCA Membership (to join or renew) \$20       New Member       Renewal

**Total Membership:**

**Total Payment Due (from Registration and Membership sections):**

**Make Checks Payable to:** Louisiana Mosquito Control Association

**Mail to:** Louisiana Mosquito Control Association  
 15483 Club Deluxe Rd.  
 Hammond, LA 70403  
 Phone: (985) 543-0454

### ***LMCA CODE OF ETHICS***

In order to advance and maintain the stature of the Mosquito Control Profession, the LMCA has established guidelines defining the conduct and ethics. The undersigned acknowledges and understands that, as a member of the LMCA, he/she has read and is expected to adhere to the standards of professional conduct set forth in the *LMCA Code of Ethics*.

MEMBERS SIGNATURE

DATE:

PRINTED NAME:

## Code of Ethics - for members of the Louisiana Mosquito Control Association

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Mosquito control provides services which are increasingly important to the health, welfare and progress of society. Those employed in the mosquito control profession have the responsibility to render effective and professional service to humanity, in keeping with the high standards of ethical conduct. Therefore, in striving to advance and maintain the honor and dignity of the profession, the Louisiana Mosquito Control Association has established the following code to define the conduct and ethics due the profession. This code is binding on the membership of the LMCA.

LMCA members will use their knowledge and skill for the betterment of human welfare.

Members will, at all times, strive to maintain the public trust, and advance the standards and principles established by the LMCA.

Members will cooperate in the exchange of information and technology for the growth and progress of the mosquito control profession and the LMCA.

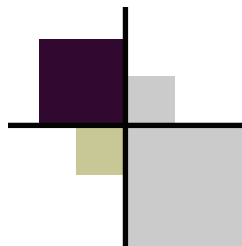
Members will not cause dishonor to the Association through their actions while representing the LMCA.

Members will promote solidarity, harmony and support among members and fellow workers. They will not undermine, vilify, berate or otherwise intentionally injure the work, accomplishments, efforts or professional reputation of another.

Members will not conduct or in any way participate in a fallacious review of the work of a fellow worker or other member.

Members will help defend and morally support others against unjust claims and accusations. They will defend the mosquito control profession and report to the Board of Directors any member acting in a manner inconsistent with the policies and guidelines set forth by the LMCA.

Charges of any violation of this code on the part of any member will be reviewed by the LMCA Board of Directors and may, with a majority vote of the Board, result in, but not be limited to, censorship, loss of voting privileges within the Association, removal from committee membership and removal from membership in the Association.



## Final Call For Papers - 2011 Annual Meeting in Covington, LA

### DEADLINE FOR PAPER SUBMISSION

Name of Author (s):

Presenter ( if different from above )

Presenter's e-mail:

Affiliation and address:

Title of Paper:

Presentation Media Requested

**PowerPoint**

**Other ( please specify )**

Presentation information for the meeting program may be submitted either by mail or e-mail to:

**Rod Wells, Program Chair**

2829 Lt. General Benjamin Davis Ave.

Baton Rouge, LA 70807

Phone 225-356-3318

Fax 225-356-9864

[rwells@brgov.com](mailto:rwells@brgov.com)

or

**Herff Jones**

[hjones@iberiagov.net](mailto:hjones@iberiagov.net)



# AMCA

★ 78<sup>th</sup> Annual Meeting ★

AUSTIN

TEXAS



Feb 26 - Mar 1, 2012 • Hilton Austin

**AMCA**

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

## AMCA Educational Material

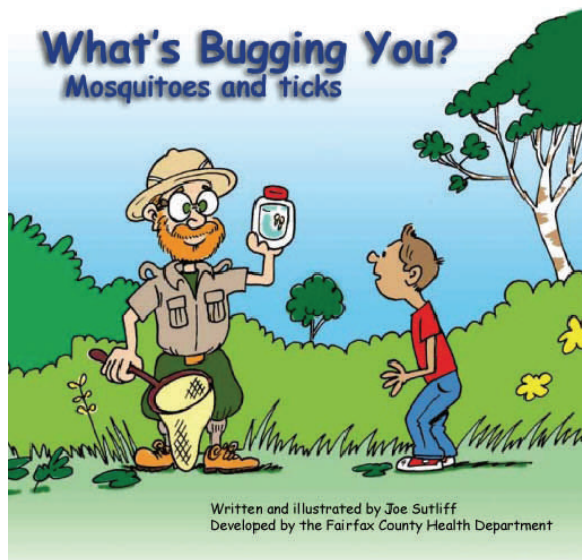
Louisiana Mosquito  
Control Association

15483 Club Deluxe Rd.  
Hammond, LA 70403

Phone: 985-543-0454  
Fax: 985-543-0457

[info@louisianamosquito.org](mailto:info@louisianamosquito.org)

[www.lmca.us](http://www.lmca.us)



24 pages + cover. Carl learns a lesson on ticks and mosquitoes from Professor James in this informative storybook. We will add your customized text on the inside front cover and back cover, allowing for the specific messaging of your local program, agency and/or department.

Go to the AMCA webpage and look under the publications tab then click books and merchandise for more information

## Membership

Today the LMCA is a support arm for these operations, those smaller city/community operators and all others interested in mosquito control. We provide a platform for educational resources and opportunities through publications, meetings and workshops, as well as guidance and technical direction for those in need. Association leadership works closely with state regulators to assure competency within operations and vigilance on legislative matters. Through this we are able to uphold our mission of enhancing the quality of life through the suppression of mosquitoes for all here in Louisiana.

- ◆ E-Newsletters
- ◆ Workshops
- ◆ Annual Meetings
- ◆ Lower rates for meeting registration
- ◆ Technical Advisory Services
- ◆ IPM Training
- ◆ Educational Resources
- ◆ Legislative/Regulatory Monitoring
- ◆ Technical Manuals / Bulletins

