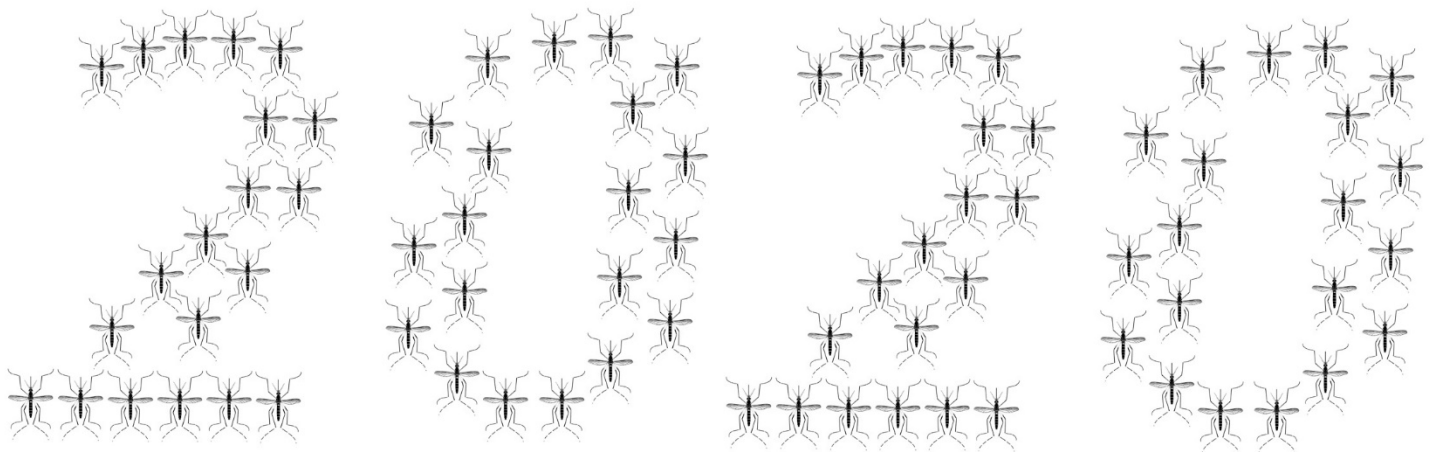


# TEXAS MOSQUITO CONTROL ASSOCIATION NEWSLETTER

<b>Volume 40</b>	<b>January</b>	<b>2020</b>
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## *Welcome to*



## *“The Return of the Skeeters!”*

**Editor – William Sames**

**Contributors – Jimmy Garcia, Mike Nichols, Salvador Rico**

### Oct 2019-Oct 2020 Texas Mosquito Control Association Board of Directors

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To contact a Board member, please send an email to [info@texasmosquito.org](mailto:info@texasmosquito.org) and list the person you are trying to contact, present your question or concern, and provide your name and contact information.

### Oct 2019-Oct 2020 Texas Mosquito Control Association Standing Committees

<b>Legislative</b>	<b>Mike Nichols, Chair</b>	R. Duhrkopf
<b>Membership</b>	<b>Greg Marciniak, Chair</b>	M. Nichols, M. Johnsen, M. Wise-de Valdez
<b>Program</b>	<b>Nina Dacko, Chair</b>	Board of Directors
<b>Publicity/Newsletter/Media</b>	<b>Nina Dacko, Chair</b>	W. Sames (Chair, Newsletter Subcommittee), M. McNairn (Chair, Website Subcommittee), S. Rico (Chair, Social Media Subcommittee)
<b>Scholarship &amp; Awards</b>	<b>Jeff Flosi, Chair</b>	R. Duhrkopf

### Oct 2019-Oct 2020 Texas Mosquito Control Association Special Committees

<b>Auditing</b>	<b>Mike Nichols, Chair</b>	M. Johnsen, P. Beebe, C. Fredregill, W. Sames
<b>Constitution, By-laws &amp; Resolutions</b>	<b>William Sames, Chair</b>	W. Becker, M. Nichols, S. Sawlis
<b>Financial Support</b>	<b>Patrick Beebe, Chair</b>	J. Flosi, M. Nichols
<b>Local Arrangements</b>	<b>Rick Duhrkopf, Chair</b>	S. Swiger, P. Prather
<b>Nominating</b>	<b>Mike Nichols, Chair</b>	R. Duhrkopf, J. Flosi, S. Sawlis
<b>Young Professionals</b>	<b>Aubrey Paolino, Chair</b>	E. Chu, K. Dye-Braumuller, K. Haydett, E. Kirkscey, E. Plaisance, S. Peper
<b>Systematics</b>	<b>Jeff Flosi, Chair</b>	R. Duhrkopf, W. Sames
<b>Workshop CEU's</b>	<b>Rick Duhrkopf, Chair</b>	J. Flosi, M. Nichols



**CONTINUOUSLY  
WET CONDITIONS.  
CONTINUOUSLY  
CONTROLLED.**

## **ALTOSID® P35, THE EASY-TO-USE, 35-DAY RESIDUAL MOSQUITO LARVICIDE.**

Our founders discovered the molecule (S)-methoprene – the original insect growth regulator (IGR) used in all Altosid® environmentally compatible mosquito larvicide formulations. With a uniform spherical design, Altosid® P35 granules – our latest innovation – provide easy equipment calibration and accurate application. Altosid® P35 granules also have extended residual, offering 35 days of control during continuous flooding. Plus, like all of our products, Altosid® P35 granules are effective without adverse impact on beneficial non-targets, so you can use it in sensitive areas with confidence.

For more information on Altosid® P35 granules, contact a Central Life Sciences sales representative, or visit [www.CentralMosquitoControl.com](http://www.CentralMosquitoControl.com).

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 **Altosid**®

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**Salvador Rico**

## **Message from El Presidente Salvador Rico**

### **Searching for Mosquitoes? What's My Motivation?**

If you would indulge me...

I may be a small voice but, too often we lose site of the BIG PICTURE in our line of work. Yes, we need to survive like everyone else... make our money, pay the bills... but what is our ultimate goal in our profession, the reason we chose this line of work? We directly impact the Quality of Life in the communities that we serve.

For some of us, we always were fascinated by “bugs” and took every opportunity to take those early high school biology classes and then perhaps more in college. Was it because you wanted a job to get paid peanuts or a decent wage? Or... was it because you REALLY enjoyed working with bugs? Maybe you discovered the wonders of bugs after

enrolling in college and took the class you thought, “Interesting”. By then you said, “Hmmm”, I could get a job doing this and then you really got interested in bugs.

On the other hand, maybe you were someone who was looking to get a job, any job to pay the bills? And, the Mosquito/Vector Control District/Agency had an opening, so you went with it... not knowing exactly what you were getting into. While as time passed...exploring “Applied Science” as it relates to the, “BUGS”... Their Biology...

Whichever case, here we are, here and now! What are we doing? What is the BIG PICTURE? Yes, you who has been studying all these years and those who just got in as it relates to bugs... more, mosquitoes really. Why are we doing this job of learning, then eliminating mosquitoes?

What is the BIG PICTURE? Sure, it is our job but, what is the meaning? Again yes, it pays the bills but there is something more to it than just that. I mean, what is the point?

This is a job not many know about much less understand. Many times, it is a thankless dirty job. Heck, while being in the front line of controlling mosquitoes/vectors... many of us are exposed to mosquito borne diseases and such. Who in their right mind would even consider doing this type of work? But, you're here. What keeps you doing this? What drives you? Yes, paying the bills is a huge factor, but that's not the entire reason. Once you realize why you are here at this profession, your outlook may change and have a different meaning.

We all know the pay isn't always the greatest in our profession, but we keep at it! No matter how insignificant you feel the job you just did or even how insignificant the job/task you just did to eliminate that mosquito/vector habitat... Did you save that area from a mosquito borne disease? Or just stopped the advancement of disease being spread from mosquitoes to the human population in that area? The little things you do has a huge impact, a huge impact on the quality of life. From education, surveillance, testing for disease, to treatment... It... you make a Difference!

That lonely place in someone's back yard that no one knew about, but they got educated by you or you took preventative action... that makes a difference! Maybe it was that low-lying area hidden from view that you found conducting surveillance. Or, was it that running water you found at the ditch and you acted like a “NCIS” Mosquito Control Division that you followed the path going several miles away and you found the source hidden in the field of brush and tall grass battling snakes and thorn bushes. What was the drive? The motivation? It's the health of the public you serve!

Of course, you can't be everywhere at every habitat or source, but knowing that what you did, Education, Surveillance, Source Reduction or Treatment, your action... Made a Difference in that community.

At TMCA were proud of our membership, as they strive to serve the public to the best of their ability. Since 1956, TMCA has been striving to provide our members and anyone willing to listen, the education & knowledge of mosquitoes, their

biology and control. We want to share this drive to help the public. So, if you were here before and you left but came back...consider becoming a member of TMCA & help us train the next generation to see the Big Picture. Join the New TMCA... together, we can make a Difference.

## TMCA Administrative Notes

**Publishing in the TMCA Newsletter.** The TMCA newsletter is a medium for getting information to TMCA members. Newsletter content is based upon contributions from TMCA officers and members, and whatever the editor can come up with to fill blank spaces and make the newsletter fun and informative. If you have information that would benefit TMCA members feel free to submit that information to the TMCA Editor or one of the several Assistant Editors. Normally, we print 4 issues per year with each issue coming out shortly after the quarterly Board of Directors meeting. Ideally, newsletters are sent in January, May, August, and November. Photos and mosquito related humor are also welcomed. Have artistic talent? Consider drawing a design for the cover.

**Advertise in the TMCA Newsletter.** Advertising rates are \$50 for a whole letter-sized (8.5 x 11 inches) page ad. Half page ads are \$30 (8.5 x 5.5) Submit copy ready artwork in MS Word or PDF to the TMCA Editor.

**American Mosquito Control Association Annual Meeting.** March 16-20, 2020, Oregon Convention Center, Portland, OR.

**Joint TMCA/LMCA Annual Meeting.** L'auberge Casino Resort, Lake Charles, LA. December 7 - 10, 2020

**TMCA Committees.** Interested in serving on a TMCA Committee? If yes, you may contact the Committee Chair **OR** go to the TMCA website and sign up online at <https://www.texasmosquito.org/membership-and-committees>. The sign up form is at the bottom of the page below the list of TMCA Committees.

## DSHS Week 52 Mosquito Borne Disease Results for Texas

On December 30, 2019, the Department of State Health Services (DSHS) posted its Week 52 Arbovirus Activity Summary. The following mosquito-borne viruses were detected in Texas during 2019:

**Chikungunya virus**– 12 imported human cases

**Dengue virus**– 59 human cases, with 57 imported cases statewide and 2 local transmission cases in Hidalgo County

**Eastern equine encephalitis virus**– 6 equine cases

**St. Louis encephalitis virus**– 9 virus-positive mosquito pools

**West Nile virus** –119 virus-positive mosquito pools, 1 virus-positive bird, 1 equine case, and 30 human cases

**Zika virus** – 2 imported human cases

For the full report, visit [DSHS Arbovirus | Weekly Activity Reports](#) and select the 12/28/19 tab.

Protecting the public from mosquito-borne disease is our primary concern. Remain vigilant this coming mosquito season and let's help keep Texans and those visiting Texas safe!

I KNOW A  
Place.  
MCALLEN, TX

www.visitmcallen.com

# TMCA Spring Workshop March 10-12th in McAllen!

Don't forget to make you hotel reservations for the upcoming Spring Workshop! Reservation cutoff date is February 21st.

Your stay will be at the beautiful Doubletree by Hilton, where you'll experience nearby restaurants, nightlife, museums and culture.

Click the DOUBLETREE icon for address and the special TMCA rate.



McAllen  
CONVENTION CENTER

For more visitors information and upcoming events during your stay, visit the McAllen Convention Center website by clicking the image to the left.

**TEXAS MOSQUITO CONTROL ASSOCIATION**  
**2020 Spring Workshop**  
**March 11-12, 2020, McAllen, Texas**  
**PRE- REGISTRATION FORM**  
**Registration is free, membership in TMCA is \$30**  
**5 TDA CEUs are free to members, \$100 for non-members**  
**Pre-Registration Deadline is March 4, 2020**

**Please type or print clearly! We must be able to read your information!**

Name: \_\_\_\_\_ TDA License #: \_\_\_\_\_

Employer: \_\_\_\_\_ Position: \_\_\_\_\_

Work Street Address (or PO Box): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Work Phone: \_\_\_\_\_ Work Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

I wish to receive CEUs: YES / NO 5 TDA Pest Control Operator CEUs are pending at this Workshop – free to members, \$100 for non-members).

I wish to become a member: YES / NO (\$30 for calendar year 2020) (Memberships are on a calendar-year basis. New memberships are retroactive to Jan.1, 2020 and expire Dec. 31, 2020.)

I want a Certificate of Attendance: YES / NO (if not receiving CEUs)

Total fee submitted: \_\_\_\_\_ *Checks payable to TMCA*

It is not necessary to send any payment due with pre-registration, you can pre-register, then pay at the door. If you are unsure of your membership status, call or email me.

Gregory M. Marciniak  
Jefferson County Mosquito Control  
8905 First Street, Beaumont, TX 77705 Phone (409)719-5927 Fax (409)727-4176  
Email: [membership@texasmosquito.org](mailto:membership@texasmosquito.org)



# TMCA Spring Workshop – March 10-12, 2020

**The Double Tree Suites by Hilton McAllen, 1800 South 2<sup>nd</sup> Street, McAllen, TX, 78503  
Phone: 877-214-6725; Group Name: Texas Mosquito Control Association; Rate: \$96 per  
night, single or double; Reservation Cut-Off Date: February 21, 2020**

**Booking Link:**

[https://secure3.hilton.com/en\\_US/dt/reservation/book.htm?inputModule=HOTEL&ctyhocn=MFEDTDT&spec\\_plan=CDTTMC&arrival=20200310&departure=20200312&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT](https://secure3.hilton.com/en_US/dt/reservation/book.htm?inputModule=HOTEL&ctyhocn=MFEDTDT&spec_plan=CDTTMC&arrival=20200310&departure=20200312&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT)

## What's in McAllen?

Things to see and do: <https://www.visitmcallen.com/p/things-to-do>

Dining: <https://www.visitmcallen.com/businesses/eats-drinks>

Shopping: <https://www.visitmcallen.com/businesses/shopping>

Special Event: Rio Grande Valley Polo Match & Hot Air Balloon Festival, March 13-14

## PROGRAM - 2020 TMCA Spring Workshop March 10-12, McAllen, Texas

### Tuesday (afternoon), March 10

4:00-5:00 **Registration**  
4:00-10:00 **Exhibitor Set Up**  
5:00-7:00 **Early Bird Social**  
7:00 **Board of Directors Meeting**

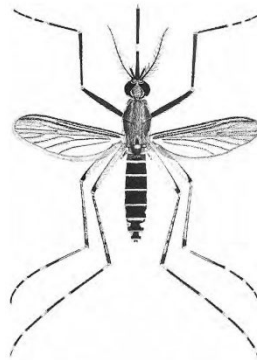
1:00 SURVEILLANCE  
1:30 ELEMENTS OF INTEGRATED MOSQUITO CONTROL  
2:30 **Break**  
3:00 CHEMICAL CONTROL  
3:45 EQUIPMENT CALIBRATION  
4:00 SAFETY AND HANDLING OF CHEMICALS

### Wednesday, March 11

7:30-8:30 **Breakfast**  
8:00-12:00 **Registration**  
8:30-12:00 **First Program Series**  
8:30 WELCOMING  
REMARKS/INVOCATION  
8:45 WORKSHOP INTRODUCTION –  
INTEGRATED PEST MANAGEMENT  
9:00 MOSQUITO BIOLOGY  
10:00 **Break**  
10:30 MOSQUITO-BORNE DISEASES  
11:45 EXHIBITOR INTRO/PRESENTATION  
12:00-13:00 **Lunch**  
1:00-4:00 **Second Program Series**

### Thursday, March 12

7:00-8:30 **Breakfast**  
8:30-11:30 **Third Program Series**  
8:30 PUBLIC RELATIONS  
9:00 INSECTICIDE RESISTANCE  
**MANAGEMENT**  
9:30 PUTTING IT ALL TOGETHER – THE PLAN OF ACTION  
10:00 **Break**  
10:30 ROUND TABLE QUESTIONS & DISCUSSION  
11:00 UPDATE ON RULES AND REGULATIONS  
12:00 **Adjourn Workshop Program**





## **When You Feel We Have Too Many Mosquitoes, Read This Account of Texas Mosquitoes from 1879 and 1886**

*The text below is from: Howard LO, Dyar HG, Knab F. 1912. The mosquitoes of North and Central America and the West Indies. Carnegie Inst Wash V01, pages 339-340. It was from a chapter entitled "Influence of Wind on the Dispersal of Mosquitoes."*

"I have witnessed, in my life, two migrations of mosquitoes, that will always be fresh and vivid in my memory." Where the Colorado River empties into Matagorda Bay, a marsh is formed over the lowlands, by a raft in the river; this marsh contains about eighteen square miles and is a magnificent breeding-place for mosquitoes. " I used to ranch it on the peninsula-like body of land, formed by Carancahua Bay on the east, Matagorda Bay on the south, Keller's Bay and Creek on the west, and the Calhoun County north line on the north (refer to coast maps of Texas). The distance between my ranch property and the marsh above described is, by bay route, about forty miles; the way the crow flies, about thirty-five miles. My ranch was situated on Carancahua Bay, near the north end of land.

"The first migration occurred in October 1879. There had been an overflow from the upper country, which filled the aforesaid marsh, but the balance of that section was very dry and needing rain, and there were no mosquitoes. A fairly strong easterly wind had been blowing for three days; on the evening of the third day the mosquitoes arrived, flying high, about fifty feet, and looking like a cloud or mist over Carancahua Bay. At the ranch they set everything on fire that had blood in it, and all work was suspended by unanimous consent. Cattle and horses rounded-up milled continuously; all work stock was turned loose as quick as possible and they went to the round-ups at full speed, and little or nothing was done for nearly five days; by this time the main body had passed, though plenty remained to make everything uncomfortable for about two weeks. This migration was from east to west and the line was about three miles wide—above and below this there were no mosquitoes.

"Migration No. 2 occurred in October 1886. They came from the same marsh before described—this migration confined itself to the Matagorda Bay shoreline, reaching inland about half a mile; there were as many mosquitoes in this limit as there were in the three miles of migration No. 1. They clouded the sky, bent down the grass with their weight, and made all driftwood and ground the same color. All stock left the shore and went north outside of the line of marsh. The wind was light and from the south, and did not affect the mosquitoes in their flight, which was westward; the main flight was low, ten or twelve feet high and always in the same direction. With three other men and I rode into the swarm to a large pile of drift and trash and set it on fire and stood in the smoke for some time watching them. They passed sometime during the third day, leaving very few stragglers behind. By inquiry, I traced both of these swarms from the marsh before described to fifteen or twenty miles west of my ranch, a total distance, airline, of fifty or sixty miles." No. 1 crossed Tres Palacios Bay, where it was five miles wide, and Carancahua Bay, where it was one mile wide. No. 2 holding to the shoreline, crossed Tres Palacios Bay, three miles, Carancahua Bay, at Pass, 300 yards, Keller's Bay, at Pass, half mile. Cox's Bay, one and a half miles, and Port Lavaca Bay, four miles."



## Dr. Gabriel Hamer selected as Chair-Elect for the American Committee for Medical Entomology

In November 2019, Dr. Gabriel Hamer, Associate Professor of Entomology, Texas A&M University, College Station, TX, was selected as the Chair-Elect for the American Committee for Medical Entomology (ACME). This committee is part of the American Society of Tropical Medicine and Hygiene (ASTMH) who held their 68th Annual Meeting, Nov. 20-24, 2019, at National Harbor, Maryland.

Four of the ACME's objectives are: (1) To promote medical entomology in the ASTMH and in organizations whose scopes of activities include the area of human diseases transmitted by arthropods, (2) To organize symposia or workshops annually that emphasize, but are not limited to, the contributions of medical entomology to tropical medicine, (3) To encourage active participation of medical entomologists in the ASTMH, and (4) To recognize outstanding contributions by medical entomologists.

Dr. Hamer joined the Texas A&M University Faculty in 2012, and he directs a medical entomology research laboratory located at Texas A&M University. This lab primarily works on mosquito control, surveillance, and diseases issues. His former Ph.D. student, Dr. Karen Poh, was the first recipient of the TMCA's Dr. Jimmy K. Olson Graduate Student Scholarship.

As Chair-Elect, Dr. Hamer will assist the Chair with the administrative and leadership of the ACME. Much like the Texas Mosquito Control Association's officer rotation (President-Elect, President, Past President), in November 2020, Dr. Hamer will become the ACMA Chair and in November 2021, he will become the Past-Chair. Prior to his selection as Chair-Elect, Dr. Hamer was serving on the ACME as a Councillor.

## Mosquito Researchers at Baylor University Publish Study on Floral Odor Receptor in *Anopheles gambiae*

In November 2019, Robert Huff, Ph.D. Candidate, and Dr. Jason Pitts published a paper in *PLoS One* describing the functional characterization of a floral odor (linalool) receptor in the malaria vector mosquito, *Anopheles gambiae* (<https://doi.org/10.1371/journal.pone.0225637>). The conservation of linalool receptors across Anopheline lineages suggests that this compound, and related terpenes, might serve as attractive cues for nectar-seeking mosquitoes. This study will serve as a foundation for future investigations of plant volatiles for their potential use in integrated push-pull vector control strategies.

The screenshot shows the PLOS ONE article page. At the top, there is a navigation bar with 'PUBLISH', 'ABOUT', 'BROWSE', and 'SEARCH' (with a magnifying glass icon). Below the navigation bar, there are icons for 'OPEN ACCESS' and 'PEER-REVIEWED'. The article title is 'An odorant receptor from *Anopheles gambiae* that demonstrates enantioselectivity to the plant volatile, linalool'. The authors are listed as 'Robert Mark Huff, R. Jason Pitts'. The publication date is 'November 21, 2019' and the DOI is 'https://doi.org/10.1371/journal.pone.0225637'. On the right side, there are four statistics: '0 Save', '0 Citation', '590 View', and '0 Share'.

## Dr. William Sames Presents Keynote Address at North Carolina Vector and Mosquito Control Association's Annual Meeting

On December 10, 2019, Dr. William Sames, former TMCA President (Oct 2017-Oct 2018), presented the Keynote Address at the North Carolina Vector and Mosquito Control Association's Annual Meeting at Carolina Beach, NC. His presentation was entitled "Preparing for the Next Generation of Mosquito Identification and Bionomical Publications." In the presentation, he discussed the primary older literature to include Carpenter and LaCasse 1955 and Darsie and Ward 2005. His reasons these publications needed updating were the addition of new mosquito species to North America, changes in taxonomy, new geographic distributions for some species, and the availability of new bionomical information that needs to be collected and consolidated into a comprehensive publication on the mosquitoes of North America.



Dr. William Sames received a Letter of Appreciation and a framed line-drawing of *Cx. quinquefasciatus* from NCVMCA President Michael Doyle at Carolina Beach, NC.

He proposed a 3-volume set with Volume 1 being identification keys similar to Darsie and Ward 2005; Volume 2 being taxonomical descriptions and bionomical information similar to Carpenter and LaCasse 1955, and Volume 3 would be a photo atlas depicting adult and larval morphological characters as an aid to identify mosquitoes.

A major point was that the team who will put this together would need data, and that there was plenty of opportunity for mosquito surveillance and control workers to get involved and support this endeavor. Using his studies on *Culex coronator* in Texas and a regional survey of 13 counties west of San Antonio, Dr. Sames showed the lack of documented distributional information for several species in the United States.

As examples and based upon published data, he showed the national distribution of *Culex coronator* and *Aedes japonicus* in the United States, then discussed the obvious gaps in those data that could be filled by surveillance and publishing of those data. He emphasized this was a team effort and that mosquito surveillance personnel who have or could acquire data should work with their state entomologist and university personnel to get those data published. If interested in helping to update mosquito species distribution records in Texas, please contact Dr. Sames at [mosquitodoctor@yahoo.com](mailto:mosquitodoctor@yahoo.com).

### Speaking of Mosquito Species Distributions

In the article above, new species to North America were mentioned. Other than the obvious: *Aedes albopictus* and *Aedes japonicus*, two more were reported from Florida in 2017: *Culex panocossa* and *Aediomyia squamipennis*. These species are not expected to spread to Texas, but they will remain primarily in Florida. Note: *Aediomyia* is a new genus of mosquitoes for the United States. These introductions demonstrate that "exotic" species can be introduced into the United States. With Texas bordering Mexico and involved in much international trade across the Texas-Mexico border or through its port cities (such as Houston, Galveston, Corpus Christi, Port Arthur, Texas City, etc.), the probability that an exotic species will enter Texas is high. *Aedes japonicus*, which entered the northeastern United States in 1998 has been moving westward and will probably spread into Texas, if it is not already here.

Similarly, there is an ongoing study to differentiate between *Toxorhynchites rutilus septentrionalis* and *Toxorhynchites moctezuma*. Which species (or both) occurs in Texas? We'll let you know the results when we get official word from those conducting the research.





## 2020 VECTOR MANAGEMENT CEU PROGRAM

This Workshop is designed to train personnel in cities and municipalities that are in the field of mosquito abatement or are working on setting up a mosquito control program. The workshop will educate personnel on mosquito biology and ecology, vector borne diseases, Laws and Regulations, and arthropod management.

**NO CHARGE FOR REGISTRATION**

**LUNCH PROVIDED**

**PESTICIDE CEU'S OFFERED:**

**5 AGRICULTURAL:**

**3 STRUCTURAL:**

**AND**

**ANIMAL CONTROL CE'S**



**ADAPCO**<sup>®</sup>  
INNOVATIVE MOSQUITO SOLUTIONS

### LOCATIONS:

Victoria – Feb 19th

Grapevine – March 4th  
(registration will be through Municipal Mosquito- there will be a fee at this location)

Abilene – March 6th

McAllen – March 11th & 12th  
(In conjunction with TMCA - Registration through TMCA)

Rosenberg – March 26th

Georgetown – April 8th

Tyler – April 17th

San Antonio – April 27th

Houston – April 29th

(registration will be through Harris County)

Lubbock – May 12th

Wichita Falls – May 13th

Register Online **FREE OF CHARGE** at

<http://livestockvetento.tamu.edu/workshop-registration>

Or Call Heidi Nivens at 254-968-4144 ext. 225



# Legislative Issues Affecting Mosquito Surveillance, Control, and Research in the United States

by Mike Nichols

## I. Federal Funding

On December 17, the House of Representatives adopted H.R. 1865, the Consolidated Domestic and International Assistance Bill, which now awaits Senate action. The measure, which provides funding for FY2020 for Labor HHS, and other government agencies includes the following highlights. The consolidated appropriation measure consists of the following:

- Provides level funding of \$38,606,000 for Vector-Borne Diseases.
- Includes language encouraging the CDC to “continue efforts to fund activities as designated under the Mosquito Abatement for Safety and Health Programs Act”.
- Adopts the TICK Act requiring the development and implementation of a national strategy and regional centers of excellence to address vector-borne diseases, including the identification and assessment in gaps in federally-funded programs and the identification of strategic goals to address such diseases and appropriate benchmarks.

Source: AMCA Mosquito Monthly

## II. Comment on Proposed Pyrethrin Label Language

AMCA is seeking your comments on the Pyrethrins’ Ecological Risk Mitigation Proposal for 23 Chemicals document. To be included in AMCA’s general statement, please send notes to the Technical Advisor to consider no later than January 6, 2020. Your comments will help guide the Environmental Protection Agency in preserving the tools in our “toolbox” for future uses and ensure that future regulations do not put a burden on protecting public health from mosquito-borne diseases.

The Proposal and all supporting documents pertaining to pyrethroids/pyrethrins as a group are posted in a Special Docket for the Pyrethroids, Pyrethrins, and Synergists, EPA-HQ-OPP-20080331. You can comment directly to the docket through January 13, 2020.

Source: AMCA Mosquito Monthly

## III. NACCHO Assistance Program

NACCHO is accepting applications for the Vector Control Collaborative technical assistance program. Participants in this program will be matched with a mentor who will visit them to provide on-site technical assistance in mosquito and/or tick surveillance and control. Selected programs will also be awarded funds to visit and shadow their mentor's site. Applications are due Jan. 31, 2020. Learn more here: <http://essentialelements.naccho.org/archives/16003>..

Source: AMCA Mosquito Monthly

**EDITOR'S NOTE:** The following information is promoting the TMCA Annual Meeting, which will be a Joint Meeting between Louisiana and Texas Mosquito Control Associations. The meeting will be December 7-10, 2020 at the L'Auberge Casino Resort in Lake Charles, LA. We are announcing this early so you will be aware of this change and can coordinate with your staff, supervisors, and budgeting personnel about attending this meeting. Joint Meetings are a great learning experience as you bring mosquito control experts from two geographical areas together to discuss what works and what does not work. Expect to learn and experience a lot at this meeting. We would love to see you there!

Registration and Call-for-Papers forms, a tentative program, and other meeting information will be in the May and August newsletter.



## **A Texan's Report on Visiting the 2019 LMCA Annual Meeting in Baton Rouge, Louisiana**

by James Garcia

Hey members. Get ready for a truly unique experience that the TMCA has not experienced since October 2002. The Joint LMCA/TMCA conference is confirmed for next December, though it's not too early to start talking about it or making plans; specifically, those travel arrangements. I'd suggest you don't want to miss this one - which will be hosted at the L'Auberge Casino & Resort in Lake Charles, Louisiana.

Now, this past December I got curious and ventured off to the LMCA's annual meeting. Needless to say, their meeting did not disappoint. Though many aspects were very similar to our own meeting here in Texas, the atmosphere was very unique as I did not know many in the audience. As expected, I was warmly welcomed by those I did know, and the overall hospitality was as we'd expect as Texans. Not bad if I say so myself. Oh, don't let me forget about the food! Too much to explain right now, but Louisiana is definitely one place you'll not go hungry and you'll have unlimited options to choose from.

In a nutshell, there were all types of presentations from operational, academia, and many types of projects and research. The conference concluded with the traditional end of day door prizes and most left with a greater knowledge than when they arrived. I look forward to this joint meeting as the location and networking with our Louisiana partners will be a great experience for us all. See me there!





2020 LMCA / TMCA Annual Meeting  
December 7 – 10, 2020  
L'Auberge Casino Resort  
Lake Charles, LA 70601

TMCA BOD,

Our dates are reserved and contract signed. We are committed to 250 room nights with 80% attrition and \$18,000 minimum food & beverage expenditures. It is imperative that all attendees use the hotel property for their accommodations and **DO NOT** use online or travel agent services to make reservations. Room reservations must be made **DIRECT** and ensure the hotel guest is attached to the **group code SRLMC20** to meet our room block obligation. The room block is available, call direct to **(866) 580-7444** and identify group code **SRLMC20** to receive rate of \$99.00 per night + taxes & resort fees.

Our next order of business is to organize a local arrangements committee, who will function as liaison with the hotel meeting & banquet services as well as sponsored events & vendor exhibits. The LMCA & TMCA are fortunate to share vendors so long-standing sponsored events should be easily handled. Secondly, a programming & planning committee from both associations will be tasked with marrying our meeting programs including the LMCA Education committee & the TMCA Young professionals committee. There are features of both programs that I am certain all our students will be excited about and eager to participate. Lastly, the associations' Treasurers will develop a procedure to handle registration, fees, badging, etc. There are many more details to discuss and plan these are just suggestions to get us started.

LMCA's BOD 1<sup>st</sup> quarter meeting will likely be after AMCA March 16-20, please discuss who (TMCA) may be available for a possible site visit / committee meeting in Lake Charles. If not, we can setup one of those "fancy" conference calls / video chats.

A handwritten signature in blue ink, appearing to be "Hamp B", written over a horizontal line.

# Texas Mosquito Control Association

## Membership Application

**Purpose:** To assist in promoting public health and comfort through the control of disease transmitting and pestiferous mosquitoes, to provide for the scientific advancement of Association members, and to stimulate public interest in mosquito control activities.

**Publications:** A Newsletter is published quarterly and emailed to active members. The Association web site is located at <http://www.texasmosquito.org>

**TMCA Annual Fall Meeting:** Held each year during October at an announced site within the state. Papers presented at this meeting are primarily technical reports dealing with new and improved methods of mosquito control, new insecticides and application techniques. Basic research related to mosquito life cycles, bionomics, diseases, and natural histories are also presented. Distributors are present to display and answer questions about their equipment and chemicals. A registration fee is required to attend.

**TMCA Spring Workshop:** Held each year during February or March at an announced site within the state. This is a basic training workshop on the operational aspects of mosquito control. Topics include general mosquito biology, mosquito borne diseases, sampling and surveillance techniques, methods of mosquito control, public relations, equipment maintenance, chemicals and chemical safety, record keeping, administrative problems, and advanced operational training in calibration, droplet size determination, mosquito identification, and surveillance devices and techniques. Distributors are present to display and demonstrate their products. Registration is free, and several meals are usually provided by the TMCA to help reduce costs to attendees.

**CEU's:** CEU's for the Texas Department of Health Vector Control Certified Applicator License are offered at the Spring Workshop. Fees are \$20 per hour of CEU requested for non-members, free to all TMCA members. A copy of the TDA regulations can be downloaded from the TMCA web site at <http://www.texasmosquito.org>

**Annual Dues:** Dues are payable on a calendar year basis. Active Memberships are \$30 per year, and Supporting Memberships are \$60 per year.

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

Affiliation: \_\_\_\_\_ Position: \_\_\_\_\_

Work Mailing Address: \_\_\_\_\_

City & State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Membership type applied for: Active (\$30): \_\_\_\_\_ Sustaining (\$60): \_\_\_\_\_

Make check payable to:

Texas Mosquito Control Association

Return application & remittance to:

Greg Marciniak, Membership Chairman  
Jefferson County Mosquito Control District  
8905 First Street  
Beaumont, Texas 77705

Phone: 409-719-5927 Fax: 409-727-4176 Email: [membership@texasmosquito.org](mailto:membership@texasmosquito.org)