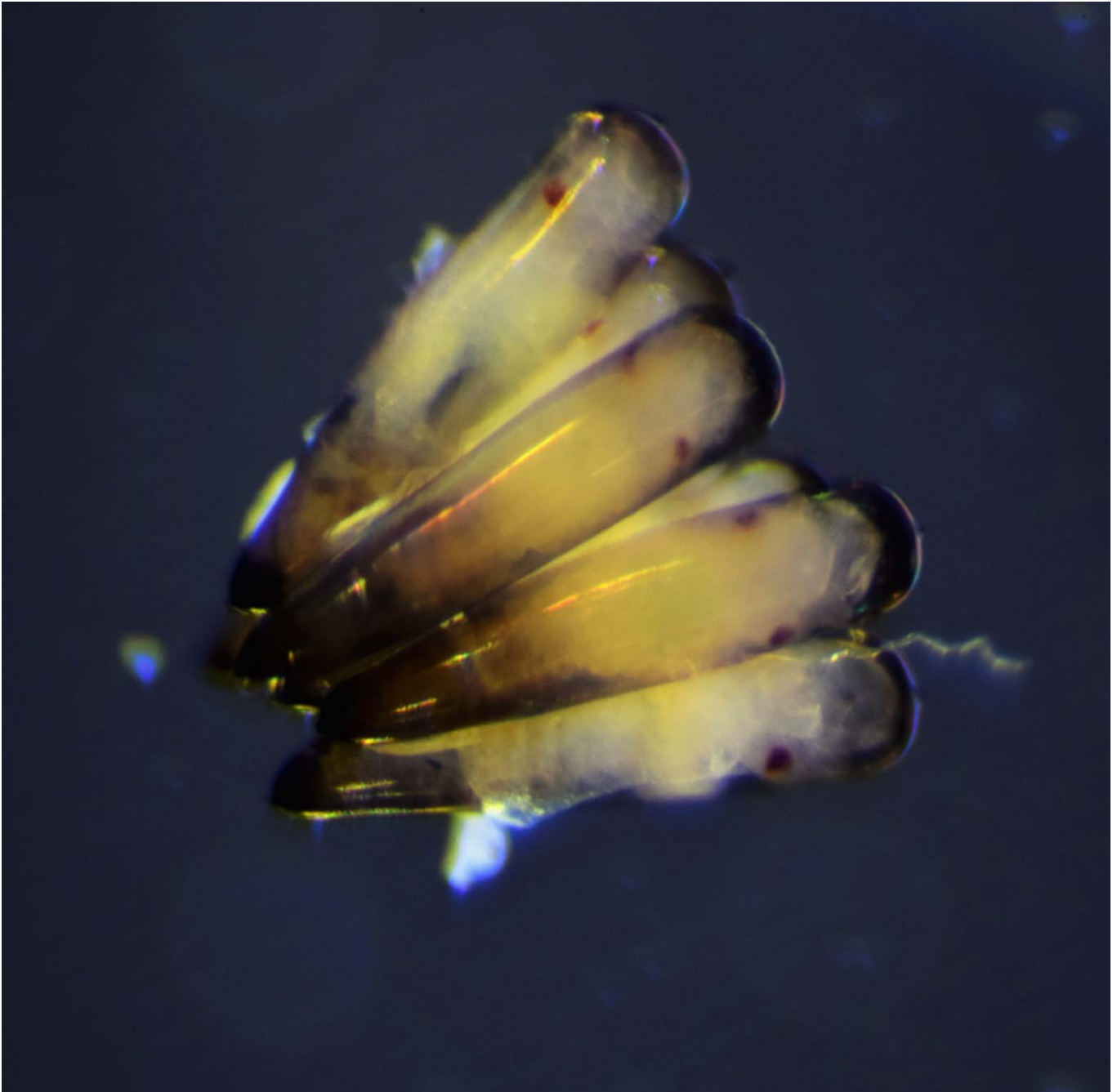


TEXAS MOSQUITO CONTROL ASSOCIATION NEWSLETTER

| | | |
|------------------|-------------|-------------|
| Volume 38 | June | 2018 |
|------------------|-------------|-------------|



Embryos of *Culex quinquefasciatus*
Picture courtesy of Tarrant County Public Health

Editor – James Garcia

Asst. Editors – Patrick Prather, Salvador Rico, William Sames

KILL MOSQUITO LARVAE QUICKLY. CONTROL EMERGENCE RESPONSIBLY.

DUPLEX™-G USES BIORATIONAL AND BIOLOGICAL CONTROLS TO STOP MOSQUITOES BEFORE THEY START.

Our founders discovered the molecule (S)-methoprene – the original insect growth regulator (IGR) – one of the first environmentally compatible mosquito control active ingredients. We're proud of our latest innovation, Duplex™-G larvicide. Duplex™-G larvicide uses dual control with (S)-methoprene and Bti to create a quick killing, long residual granule that lasts over a 28-day period of continuous flooding that keeps with resistance management. Plus, like all of our products, Duplex™-G larvicide works to reduce your environmental footprint.

For more information on Duplex™-G larvicide, contact a Central Life Sciences sales representative, or visit www.CentralMosquitoControl.com.



CENTRAL Life Sciences®

Duplex™

Duplex is a trademark of Wellmark International. Central Life Sciences with design is a registered trademark of Central Garden & Pet Company. ©2018 Wellmark International



2018 Texas Mosquito Control Association Board of Directors

| | | |
|--------------------------------------|------------------------------|--|
| President | William Sames | PO Box 547, Leakey, TX 78873; mosquitodoctor@yahoo.com |
| President-elect | Mike Nichols | Target Specialty Products, (713) 682-4411; mike.nichols@target-specialty.com |
| 1st Vice-President | Salvador Rico | HCPHES Mosquito Control Div., 3330 Old Spanish Trail, Bldg. D, Houston, TX 77021; (713) 440-4800; srico@hcphe.org |
| 2nd Vice-President | Greg Marciniak | Jefferson County Mosquito Control, 8905 First St., Beaumont, TX 77705; (409) 719-5927; gmarciniak@co.jefferson.tx.us |
| Director | Nina Dacko | TCPH Vector Control, 1101 S Main St. Fort Worth, TX 76104; nmdacko@tarrantcounty.com |
| Director | James Garcia | City of Baytown Mosquito Control, 220 W Defee Ave, Baytown, TX 77520 (281) 425-1008; james.garcia@baytown.org |
| Secretary | Meagan Wise-de Valdez | Texas A&M San Antonio, One University Way, San Antonio, Texas 78224 (210) 784-2218; mwisedev@tamusa.edu |
| Treasurer | Richard Duhrkopf | PO Box 906, Hewitt, TX 76643; (254) 744-8497; rick_duhrkopf@baylor.edu |
| Past President | Chris Fredregill | HCPHES Mosquito Control Div., 3330 Old Spanish Trail, Bldg. D, Houston, TX 77021; (713) 440-4800; cfredregill@hcphe.org |

2018 Texas Mosquito Control Association Standing Committees

| | | |
|-----------------------------------|------------------------------|---|
| Legislative | Mike Nichols, Chair | R. Duhrkopf |
| Membership | Greg Marciniak, Chair | M. Nichols, M. Johnsen |
| Program | Nina Dacko, Chair | Board of Directors |
| Publicity/Newsletter/Media | Nina Dacko, Chair | J. Garcia (Chair, Newsletter Subcommittee), M. McNairn (Chair, Website Subcommittee), S. Rico (Chair, Social Media Subcommittee), P. Prather, W. Sames, S. Sawlis, M. Nichols |
| Scholarship & Awards | Jeff Flosi, Chair | R. Duhrkopf |

2018 Texas Mosquito Control Association Special Committees

| | | |
|--|--------------------------------|---|
| Auditing | Mike Nichols, Chair | M. Johnsen, P. Beebe, C. Fredregill, W. Sames |
| Constitution, By-laws & Resolutions | William Sames, Chair | S. Sawlis, W. Becker, M. Nichols |
| Financial Support | Patrick Beebe, Chair | J. Flosi, M. Nichols |
| Local Arrangements | Rick Duhrkopf, Chair | R. Duhrkopf, M. Nichols |
| Nominating | Chris Fredregill, Chair | J. Flosi, S. Sawlis, R. Duhrkopf |
| Young Professionals | Kyndall Dye | |
| Systematics | Jeff Flosi, Chair | R. Duhrkopf, W. Sames |
| Workshop CEU's | Rick Duhrkopf, Chair | M. Nichols, J. Flosi |



William (Bill) Sames

Message from the President William (Bill) Sames

By now, mosquito surveillance and control activities should be happening state wide. Many parts of Texas were dry until rains fell in early May and jump-started mosquito populations. As of June 5th, four mosquito pools were positive for West Nile virus. The Zika virus case count was 3 with all being travel related. One travel case of Dengue Fever and one travel case of Chikungunya have been reported as well. The diseases are out there, so go forth with exceptional surveillance and control vigilance!

Megan McNairn has been working hard to bring us a new website, but she needs pictures of mosquito operations from around the state. If you have pictures that you would allow to be used on the TMCA website, please contact Megan and let her know what you have. For more information, see the Website Article in this issue.

The TMCA Annual Meeting is October 16-18 at the Hilton Garden Inn in Victoria, TX. This is the first time in at least recent history that we have announced the meeting this early in the year. The hotel was willing to contract early and therefore, we are posting our Call for Papers, Registration, and other meeting information in this issue rather than the August issue. We hope this will give you a better opportunity to get the funding you need to attend the meeting. I personally visited the meeting location in early March and was very impressed with the facility and meeting rooms. I feel you will like it too.

Knydall Dye, Chair, TMCA Young Professionals Committee, recommended several activities for the upcoming annual meeting. The Board approved support of a Student Paper Competition. Student presentations will be grouped into a special session rather than by subject and a panel of judges will determine the winner. This should be an exciting event and we expect to see a great set of presentations.

At last year's annual meeting, the membership approved changes to the TMCA Constitution and By-Laws. The approved version is reprinted in this newsletter for membership review and comment for potential modifications. Please take the time to read and understand the document and let me know if you have any questions about its content or have suggestions on how to improve it.

Be safe in your operations and work to improve your techniques and procedures. My best wishes to you this season.



What's New? TMCA & Social Media

By Salvador Rico

Currently, social media campaigns are used to expose large populations to your message. TMCA is now using "Social Media" to get the word out about mosquitoes & their control. Social media campaigns can produce positive change in health-related behaviors across large populations.

It's not perfect but done correctly; it can achieve adequate exposure to make a difference.

Since 2012, TMCA has had a Twitter account <https://twitter.com/texasmosquito> and in 2016, created a Facebook <https://www.facebook.com/texasmosquito.org/> account. With new members joining TMCA, it was just a matter of time when social media would be used in some form or fashion to promote awareness about mosquitoes (and other important vectors) to the public.

In keeping with the trend TMCA's new Board of Directors has created a new Social media Committee headed by Nina Dacko. Part of the social media is being maintained by Salvador Rico with contributions from James Garcia and William Sames. Including is our NEW Website that is being prepared and will get off the ground sound with the assistance from TMCA members Megan Jamieson.

Yes, TMCA is evolving and inviting people who are involved in mosquito & vector control to join and become new members who can bring fresh ideas and positive movement to our organization. Come see what TMCA is about join us as we move forward to new productive horizons.



TMCA Participation in the 2018 AMCA Washington Day

By Nina Dacko

The American Mosquito Control Association has a conference every year where members of AMCA can to speak to their US Representatives and/or Senators about vector-related issues and funding. Reducing the burdens of the duplicative regulation requiring National Pollutant Discharge Elimination System (NPDES) Clean Water Act Permits was one, ever reoccurring theme. We already have the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) to regulate our pesticides and NPDES did not add any additional protections to the environment in the mosquito control realm. It is however, burdensome. We also asked for additional funding for Epidemiology and Laboratory Capacity (ELC) grants supporting vector control related items, to increase funding for the Center for Diseases' Division of Vector Borne Disease and to continue supporting the IR-4 Public Health Pesticides Program to help provide assistance for supporting vector control. The third and final item we spoke to our representative about was the Biological Opinions (BiOp) issued by the National Marines and Fisheries Service on the Endangered Species Act impacts of the Environmental Protection Agency's continued registration of products many vector control programs utilize including Malathion and Chlorpyrifos. These BiOps found that the aforementioned products were likely to jeopardize many species and critical habitats. The use of the exposure data was unrealistically high and the results were based on 1/1,000,000 chance of mortality to one organism to represent an entire species. This seems unreasonable and it is recommended that Congress direct the Service to reinstate consultation on these BiOps. As stakeholders in the use of these pesticides we should all give information on where, how, why in what situations when we're asked. There were also discussions about restricting use of these products only in residential areas. This also seems unrealistic due to the variable flight ranges of target mosquito species, especially those that might breed up to 70 miles away from their original sources. It is clear that the EPA needs our help to asses these BiOps and needs our input to help guide the correct actions when reassessing these registrations.



Protecting Public Health Together

ADAPCO supports you in your mission to protect public health. We partner with the leading manufacturers in the industry to provide you with trusted products and innovative mosquito control solutions. Complemented by superior technical expertise, our technically-trained sales force and quality products and logistics, we provide unsurpassed value to our suppliers and customers. Backed by the global network and industry excellence of Azelis, ADAPCO is ready to solve any and all of your mosquito control needs. Call Larry Heller today at (877) 923-2726.

AMVAC Environmental Products

Bayer CropScience

Biogents AG

FMC

Maruyama US, Inc.

Response Biomedical

Advanced Microbiologics

Becker Microbial Products, Inc.

Central Life Sciences

Longray Technology

MGK

Guardian ULV

creating value,
growing together

myadapco.com / azelisamericas.com



TMCA Administrative Notes

General. Dues and contact changes (address, phone, email) should be sent to Greg Marciniak.

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 to the TMCA Editor. Electronic files in MS Word or PDF are preferred.

TMCA Annual Meeting. October 16-18, 2018, Hilton Garden Inn, Victoria, TX.

AMCA Annual Meeting, February 25 – March 1, 2019, Caribe Royal Resort, Orlando, FL.

TMCA Committees. Interested in serving on a TMCA Committee? If yes, please contact the Committee Chair, let them know you want to be on the committee and ask what you can do to get involved and help the TMCA.

Pictures Needed for TMCA Website!

Megan (Jamieson) McNairn has been working hard to create a new, fresh-looking website for the TMCA. She created a shell and is now populating that shell with current data and updated pictures. If you have pictures that involve Integrated Mosquito Management (IMM) procedures and processes or pictures of mosquitoes that would be of interest to website viewers, please consider sending them to her. Consider pictures of spray trucks in operation, larviciding, setting up surveillance traps, mosquito larvae in artificial containers or backyard habitats, identifying mosquitoes, pictures of mosquito collection equipment (traps, dippers, larval separators, etc.), tire piles, etc. If possible, show people in the pictures and get their written permission to use their likeness in the image on the TMCA website.

Since the pictures will be digitally displayed, the pictures do not have to be high resolution. However, the pictures must be ones you created (you were the photographer) or ones that a friend created (they were the photographer) AND that friend will agree to the TMCA using that image on our website. To avoid copyright issues, we do not want pictures that were downloaded from the internet or scanned from another publication.

Since most TMCA members have a means of creating pictures that would help make the website a better place to visit, this is an opportunity to participate in and contribute to the TMCA.

Using the In2Care Mosquito Trap in Wichita Falls and Baytown

By James Garcia



Photo by Samantha Blair

A few mosquito control programs across the State are beginning observational trials of the In2Care mosquito trap. The City of Baytown and City of Wichita Falls are 400 miles apart, yet both Cities are curious with the studies that have been conducted with this new trap. Both Cities have and launched their own project trials this year.

Taryn Sutter with the Wichita Falls/Wichita County Public Health District says remember to secure the trap so animals or the wind does not knock it over. The trap can be secured in a few different ways as shown on the videos of the [In2Care website](#).

Data gathered from these studies will be presented at the TMCA Annual Meeting in October 2018.

*“The **In2Care Mosquito Trap** lures and contaminates Aedes mosquitoes with a special slow-killing larvicide and let them spread this to other breeding sites (which are often hard to find and treat) so that mosquito larvae are not only killed inside the trap but also in its vicinity. This is combined with a biological adulticide that kills the contaminated mosquito after a few days to prevent her from transmitting any viruses like Dengue or Zika virus.” (In2Care, 2018)*

DSHS Requested Data Coordination!

The Texas Department of State Health Services (DSHS) uses multiple streams of statewide surveillance data to detect the circulation of arboviruses in Texas and issues reports to stakeholders concerning distribution of these viruses by time and place. Among these data streams are the reports from agencies and laboratories of any arbovirus positive mosquito pools. These data are then reported by DSHS to the Center for Disease Control and Prevention’s ArboNET system for the national arbovirus surveillance program.

The DSHS Zoonosis Control Branch requests that agencies and laboratories send the information below for all arbovirus positive mosquito pools to our mailbox at wrv@dshs.texas.gov:

Submitter Name (Agency or Laboratory)
Date of Collection
Mosquito species
Test Result/Arbovirus Identified
Sample/Pool ID number (to avoid duplicates)

Trapping/Collection Location (physical address or description of area)
City
Zip Code
County

Note Regarding MosquitoNET: ArboNET is a separate system from MosquitoNET. Please continue reporting your mosquito surveillance and insecticide resistance data to MosquitoNET@dshs.texas.gov. For questions regarding submission of mosquito identification results, please contact Bethany Bolling at 512-776-2442 or Bethany.Bolling@dshs.texas.gov. For questions regarding insecticide resistance testing, please contact Whitney Qualls at 512-776-2790 or Whitney.Qualls@dshs.texas.gov.

A BIG THANK YOU to Our Sponsors of the 2018 TMCA Spring Workshop in New Braunfels!

The Spring Workshop in New Braunfels was a success and enjoyed by all who attended partly due to the great support received from our sponsors! Thanks to them, we were able to cover most of the costs of the workshop and provide breakfast, lunch, coffee breaks and social hour to our membership. We also want to thank them for assisting in providing door prizes! Here's what they did to support this year's Spring Workshop:

ADAPCO – represented by Larry Heller - purchased exhibit space & co-sponsored breakfast with TMCA.

AMVAC Environmental Products – represented by Dean May - purchased exhibit space, co-sponsored lunch with TMCA & contributing sponsor.

AP&G Catchmaster – represented by Robert Stocker - purchased exhibit space & contributing sponsor.

Central Life Sciences - represented by Mike Kunka - purchased exhibit space.

Clarke - represented by Doug Carroll - purchased exhibit space & sponsored 2 coffee breaks.

Target Specialty Products - represented by Mike Nichols - purchased exhibit space & sponsored coffee break.

Univar Environmental Sciences – represented by Brian McFall & Mark Theriot - purchased exhibit spaces & contributing sponsor.

VDCI – represented by Jason Williams & Robert Stanley - purchased exhibit space & sponsored the hospitality hour.

Without the generous financial assistance of these fine folks, our non-profit association would not be able to hold our workshop in various locations around the state. These same industry representatives are also a great source of products and knowledge that we need to perform our jobs. Please take advantage of these resources & keep them in mind next time you need mosquito control equipment and products!



Native Texans Protecting Texans

NOW IS THE TIME TO TALK ABOUT
MOSQUITO MANAGEMENT.



MUNICIPAL MOSQUITO

LET US KNOW HOW WE CAN HELP.

214.612.8044

info@municipalmosquito.com

www.MunicipalMosquito.com

WE PROVIDE TAILORED
PUBLIC HEALTH VECTOR
MANAGEMENT PLANS.



Surveillance

- Gravid/BG Sentinel/ CDC Light Trapping
- Larval site surveys



Speciation

- Full range of identification
- Independent RT-PCR testing



Larval Control

- Truck/UTV Liquid Larviciding
- Intensive inspection and treatment



Adult Control

- Truck Mounted ULV Fogging
- Off-road UTV Fogging
- ULV/Backpack ULV Fogging
- Barrier Spray



Consulting

- Insecticide Resistance Testing
- Mosquito insectorv
- Staff training/PPE/Safety





Individuals enhancing the health and quality of life through the suppression of mosquitoes, other vectors and pests of public health importance.



A Partner in the EPA's Pesticide Environmental Stewardship Program

2018-2019

Board of Directors

South Central Update 6/5/18

OFFICERS

- William Walton, PhD
President
- Jason Kinley
President-Elect
- Ary Faraji, PhD
Vice-President
- T. Wayne Gale
Past President 2017-2018
- Gary Hatch
Treasurer

REGIONAL DIRECTORS

- Jason Trumbetta
Industry Director
- Catalina Alfonso-Parra, PhD
International
- Dennis Salmen
Mid-Atlantic
- Robert Duryea
North Atlantic
- Mark Breidenbaugh, PhD
North Central
- Gregory Barron
North Pacific
- Christopher Lesser
South Atlantic
- Herff Jones
South Central
- Gary Goodman
South Pacific
- Lee Cohnstaedt, PhD
West Central

EXECUTIVE DIRECTOR

Heather Gosciniak

TECHNICAL ADVISOR

Joseph Conlon

The AMCA Washington Day conference was an opportunity to discuss Federal issues vital to the public health initiatives of mosquito control. Moreover, Congressional and Senatorial members heard firsthand from mosquito control professionals, specific matters related to appropriations, funding mechanisms to assist local abatement operations with mosquito related public health emergencies as well as regulatory matters that impact mosquito control interventions. Successful meetings were held with Congressional delegations representing many states, but our NPDES issue remains unresolved. There are strategies yet to be implemented on the Senate side (Senate version of the Farm Bill), which we hope will push this matter forward in a manner desirable to the association. Several meetings were held after our Capital Hill visits with EPA and the services (USFWS, NMFS & USDA) to discuss the complex issues involving endangered species (ESA), the potential for adverse impacts due to pesticide exposures and regulatory determinations based on risk assessments not necessarily informed by sound science. The take away on this matter is more involved discussions with the services and responsive comments from mosquito control, illustrating exactly how we use identified pesticides --- agriculture models and others are unreasonable when applied to mosquito control. Washington Day attendees carried a clear message to the Hill regarding appropriations and funding for vital Federal programs that support mosquito control. Dr. Peterson and Visser's (CDC DVBD) presentation stressed the importance of Congressional support as they direct their staff to bolster operational vector capacity across the country.

In other matters, symposia proposals for the Orlando meeting are being accepted and for those interested in submitting a proposal to the American Mosquito Control Association Research Fund (AMCARF) for 2019 funding, pre-proposals are being accepted. Please see the association website for details.



Set your calendars for the 60th TMCA Annual Meeting!

Oct. 16-18th, in Victoria, Texas. The 16th is registration and the early bird social. The 17th is all day of presentations and the business meeting, and the 18th is a half day of presentations.

Come early or leave late. Check out some of Victoria's rich history and adventure!

[A checklist for Victoria.](#)



Hilton Garden Inn, Victoria TX.

Registration available at: [HILTON GARDEN INN—VICTORIA](#)

Make sure to mention TMCA for reservation rates. **Cutoff date for registration is Oct. 2nd.**

**TEXAS MOSQUITO CONTROL ASSOCIATION
2018 ANNUAL MEETING
VICTORIA, TEXAS**

TUESDAY, 16 OCTOBER 2018

5:00 – 7:00 pm **Early Bird Mixer**
7:00 – 10:00 pm **TMCA Board of Directors Meeting**

WEDNESDAY, 17 OCTOBER 2018

7:00 - 8:30 am **Breakfast Buffet** for meeting registrants and
 companions included with your room

GENERAL SESSION A

8:30 am Call to Order
 Message from the President of the TMCA
 Message from the AMCA Regional Director
8:45 - 9:45 am **KEYNOTE ADDRESS**
9:45 - 10:00 am **Scientific and Operational Presentations**
10:00 am Coffee Break/Visit Vendor Tables

GENERAL SESSION B

10:30 - 11:45 am **Scientific and Operational Presentations**
Noon **TMCA LUNCHEON** for meeting registrants and companions

GENERAL SESSION C

1:00 - 2:30 pm **Scientific and Operational Presentations**
2:30 pm Coffee Break/Visit Vendor Tables

GENERAL SESSION D

3:00 - 4:00 pm **Scientific and Operational Presentations**
4:00 - 5:00 pm **TMCA Business Meeting**

THURSDAY, 18 OCTOBER 2018

7:00 - 8:30 am **Breakfast Buffet** for meeting registrants and
 companions included with your room

GENERAL SESSION E

8:30 - 10:00 am **Scientific and Operational Presentations**
10:00 am Coffee Break/Visit Vendor Tables

GENERAL SESSION F

10:30 am - Noon **Regulatory Updates**
Door Prizes
Adjournment

TEXAS MOSQUITO CONTROL ASSOCIATION

2018 Annual Fall Meeting

October 17 - 18, 2018, Victoria, Texas

PRE-REGISTRATION FORM

Pre-registration deadline is October 10, 2018

Pre-registration fee \$95, Walk-in registration \$110

Delegate and Student registrations include complimentary 2019 membership.

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

Name: _____

Employer: _____ Position: _____

Work Mailing Address: _____

City: _____ State: _____ Zip: _____

Work Phone: _____ Work Fax: _____

Email Address: _____

Type of pre-registration: Delegate: _____ Fee: \$95 (Includes complimentary 2019 membership)

Name: _____ Spouse: _____ Fee: \$65 (Does not include membership)

Student: _____ Fee: \$65 (must show valid student ID)
(Includes complimentary 2019 membership)

Total fee submitted: _____ *Checks payable to TMCA*

Failure to send in your pre-registration form prior to the deadline will result in you being charged the \$110 walk-in fee. You do NOT have to send in your money with your pre-registration. As long as I receive your pre-registration form by the deadline, you can pay the pre-registration fee at the door.

Mail, email, or fax the completed form (separate forms for each attendee, please) to:

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



Texas Mosquito Control Association Fall Meeting, October 17-18, 2018

Hilton Garden Inn
123 Huvar Street,
Victoria, TX 77901, (361) 573-0303

Exhibitor Registration Form

| | | | | | |
|---------------|--|-------------|--|------|--|
| Company Name: | | | | | |
| Address: | | | | | |
| City: | | State: | | Zip: | |
| Phone Number: | | Fax Number: | | | |
| Contact: | | Email: | | | |

EXHIBITOR

| | |
|--|--|
| 1 (One) Booth \$300 Registrant (Name): | |
| 2 (Two) Booths \$400 Registrants (Names): | |
| Booth Space Amount (More than two Booths, rate will be quoted) | |

EVENT SPONSOR (Sponsorship of events is on a first come basis)

| | | |
|--------------------------------|-----------|--|
| Lunch Buffet (1 available) | \$1,125 | |
| Hospitality Hour (1 available) | \$525 | |
| Coffee Breaks (3 available) | \$250 ea. | |
| Event Sponsorship Amount | | |

CONTRIBUTING SPONSOR

| | |
|--|--|
| Please list my company as a contributing sponsor of workshop (minimum contribution of \$125 is required) | |
|--|--|

***** Exhibitors will receive one (1) complimentary registration per \$250 sponsorship.**

Payment Enclosed Company Check mailed Credit Card Payment (at workshop location)

Total

IF PAYING BY CHECK, PLEASE MAKE ALL CHECKS PAYABLE TO: TEXAS MOSQUITO CONTROL ASSOCIATION and sent to address provided below.

MAIL TO:

Patrick D. Beebe • Orange County Mosquito Control District • 123 S. 6th Street • Orange, TX 77630 • (409) 883-5717 • Fax: (409) 882-5333 • email: pbbeebe@co.orange.tx.us

**TEXAS MOSQUITO CONTROL ASSOCIATION
2018 ANNUAL MEETING, VICTORIA, TEXAS**

CALL FOR PAPERS

NAME OF AUTHOR(S):

PRESENTER (if different from above)

PRESENTER'S EMAIL:

AFFILIATION AND ADDRESS:

TITLE OF PAPER:

PRESENTATION MEDIA REQUESTED

POWERPOINT

OTHER (please specify)

| |
|---|
| DEADLINE FOR PAPER SUBMISSION IS SEPTEMBER 7, 2018 |
|---|

Submit to

Ms. Nina Dacko
Tarrant County Public Health
1101 S. Main Street
Fort Worth, Texas 76104

E-mail Address:

nmdacko@TarrantCounty.com



We are committed to protecting public health through excellence in vector control.

Experienced and Dedicated Partner in Texas

We are able to provide you with the resources, personnel, and expertise to maintain control of mosquitoes and mosquito-borne diseases in your community, both routinely and in the face of any circumstance that may arise.

Surveillance
Disease Testing
Larval Control
Adult Control
Ground Applications

Aerial Applications
Public Education
Resistance Monitoring
Emergency Response (ER)
ER Contingency Plans

Call today!

We're ready to discuss your community's needs.



Vector Disease Control International
Protecting Public Health Since 1992

Robert T. Stanley | Sr. Business Development Manager
513.266.5525 | rstanley@vdcin.net | www.vdcin.net

Texas Headquarters | 605 S. Sherman Street, Suite 705E, Richardson, TX 75081



DR. JAMES D. LONG UNDERGRADUATE RESEARCH SCHOLARSHIP

The Texas Mosquito Control Association (TMCA) announces the availability of an undergraduate research scholarship in the amount of \$1000. The participating student agrees to spend at least one long semester (or the summer) during the academic year conducting research in an insect biology laboratory. The participating faculty member agrees to host and train the student in the laboratory. Individual research experiences should be designed in a close collaboration between the undergraduate student and the faculty sponsor before the application is submitted.

From the student applicant:

Personal information, including mailing address, e-mail address, and telephone number

One copy of the student's academic transcript

Two letters of recommendation from professors or instructors (other than the faculty sponsor) familiar with the student's work

Research proposal briefly describing the scientific goals of the proposed collaboration (no longer than one page, and written with the help of the faculty sponsor)

From the faculty sponsor: Letter of recommendation for the student, including a statement of support for the proposed project, and an agreement to host and train the student in your laboratory

Contact the Chairman of the Scholarship and Awards Committee for an application or visit www.texasmosquito.org; Dr. Jeff Flosi, 1640 Hawthorne Street, Houston, Texas 77006, flosij@UHD.EDU. The Chair, Scholarship and Awards Committee must receive applications not later than 21 September 2018. The TMCA is not responsible for late, lost, or misdirected applications.

JAMES GUS FOYLE MEMORIAL SCHOLARSHIP

The Texas Mosquito Control Association will award a \$2000.00 cash scholarship, to be called the James Gus Foyle Memorial Scholarship, to one (1) graduate student each year to promote and encourage research relating to mosquito control. The award is named after Mr. Gus Foyle who was a charter member of the Association and an ardent supporter of its goals. The Scholarship is to be awarded each year during the annual meeting of the Texas Mosquito Control Association.

The recipient of the Scholarship must comply with the following:

- a) Must be enrolled in a college or university in the state of Texas at the time the scholarship is awarded.
- b) Must be engaged in research with mosquitoes, insects, or disease transmission related thereto.
- c) Must submit an application for the Scholarship. The application must be made on the form provided by the Scholarship and Awards Committee. The application will include, but not be limited to, the following:
 1. Statement of student's goals
 2. Statement of his/her needs
 3. Statement of student's intended research
 4. Resume
 5. Letter from the student's major Professor stating his/her assessment of the candidate.
- d) Must attend the Annual Meeting to receive the Scholarship.
- e) Must present a paper one year following receipt of the Scholarship to the assembled membership of the TMCA at its Annual Meeting.
- f) All reasonable travel, food, and lodging costs related to the receipt of the award and presentation of the paper to the TMCA will be paid by TMCA. Reimbursement of these expenditures will be subject to approval by the Chairman of the Scholarship and Awards Committee. Receipts for these expenditures must be submitted along with claims for reimbursement.
- g) Recipient is to use the most economical means of travel. Deviations from this are subject to TMCA Board approval.
- h) All travel is to be in Texas. The Board, prior to travel, must approve deviations.

Contact the Chairman of the Scholarship and Awards Committee for an application or visit www.texasmosquito.org; Dr. Jeff Flosi, 1640 Hawthorne Street, Houston, Texas 77006, flosij@UHD.EDU The Chair of the Scholarship and

Awards Committee must receive applications not later than 21 September 2018. The TMCA is not responsible for late, lost, or misdirected applications.



DR. JIMMY K. OLSON GRADUATE RESEARCH SCHOLARSHIP

The Texas Mosquito Control Association announces the availability of a graduate research scholarship in the amount of \$1000. The participating student agrees to spend at least one long semester (or the summer) during the academic year conducting research in an insect biology laboratory. The participating faculty member agrees to host and train the student in the laboratory. Individual research experiences should be designed in a close collaboration between the graduate student and the faculty sponsor before the application is submitted.

From the student applicant:

Personal information, including mailing address, e-mail address, and telephone number

One copy of the student's academic transcript

Two letters of recommendation from professors or instructors (other than the faculty sponsor) familiar with the student's work

Research proposal briefly describing the scientific goals of the proposed collaboration (no longer than one page, and written with the help of the faculty sponsor)

From the faculty sponsor: Letter of recommendation for the student, including a statement of support for the proposed project, and an agreement to host and train the student in your laboratory

Contact the Chairman of the Scholarship and Awards Committee for an application or visit www.texasmosquito.org; Dr. Jeff Flosi, 1640 Hawthorne Street, Houston, Texas 77006, flosij@UHD.EDU. The Chair, Scholarship and Awards Committee must receive applications not later than 21 September 2018. The TMCA is not responsible for late, lost, or misdirected applications.



FRANK WILLIAM (BULL) SCHMIDT AWARD

The Texas Mosquito Control Association will present an award, the F. W. "Bull" Schmidt Memorial Award, to a qualified individual who has made contributions of an operational nature to mosquito control. The award will be given only in years when there is a qualified applicant. The TMCA Scholarship and Awards Committee will make the decision each year as to whether or not there is a qualified applicant. The selection process will be based on a written description detailing the applicant's contributions. The letter must be submitted by the applicant's supervisor to the committee chair not later than 21 September 2018. Send the letter to: Dr. Jeff Flosi, 1640 Hawthorne Street, Houston, Texas 77006, flosij@UHD.EDU

The recipient of the award must comply with the following:

- (a) resident of the State of Texas;
- (b) employed by a municipal or private mosquito control operation in Texas;
- (c) has made contributions of an operational nature. Examples for this award could include, but are not limited to, the following: employee education programs, improved safety procedures, improved maintenance procedures, implementation of public relations programs, improved record-keeping procedures, improved collections devices, or construction of new or improved equipment.
- (d) prepare and present a 10-minute presentation on their work.

The award will consist of a plaque and the TMCA will pay the recipient's expenses to attend the annual meeting. The TMCA president will notify the recipient's supervisor and express the association's appreciation for the supervisor's support of the recipient and the goals of the TMCA. In addition, the TMCA Scholarship and Awards Committee will notify the news media in the recipient's area concerning the award.

Member Comments Requested on the Following:

The next 7 pages are the TMCA's Constitution and By-Laws which were approved by the TMCA membership at the 2017 Annual Meeting in Fredericksburg. Please read and feel free to comment on this document. The Constitution and By-Laws Committee will review all comments and propose changes to these documents in the August newsletter. Questions and comments should be sent to Bill Sames, Committee Chair, at mosquitodoctor@yahoo.com.

CONSTITUTION AND BY - LAWS THE TEXAS MOSQUITO CONTROL ASSOCIATION

CONSTITUTION

ARTICLE I

NAME, DESCRIPTION AND OBJECTIVES

- A. Name: This organization shall be known as The Texas Mosquito Control Association, Incorporated.
- B. Description: The Texas Mosquito Control Association, Inc. is a non-profit, technical, scientific and educational association of mosquito workers, entomologists, medical personnel, engineers, public health officials, military officers, individuals and laymen who are charged with, or interested in mosquito control and related work.
- C. Objectives: The objectives of the Association shall be to:
1. Promote closer cooperation among those directly or indirectly concerned with, or interested in mosquito control and related work.
 2. Work for the highest standards of efficiency in such work.
 3. Encourage further research on control techniques and mosquito bionomics.
 4. Disseminate information about mosquitoes and their control.
 5. Work for understanding, recognition, and cooperation among public officials and the public at large regarding the aims of the Association.
 6. Encourage the enactment of legislation providing for a sound, well balanced program of mosquito control work suited to local conditions where needed.
 7. Meet and fairly disarm opposition to mosquito control work from any source by promoting an understanding of control procedures and methods.
 8. Promote the protection of wildlife in every possible way by avoiding harm to the environment and encouraging the use of control measures calculated to bring about the lowest practicable level of environmental impact when diverse interests may be involved.
 9. Work for the highest degree of cooperation among agencies and organizations and the Association to the end that common interests may be most fully served.

10. Publish newsletters and other publications in the furtherance of these objectives.

ARTICLE II

MEMBERSHIP

A. Active Member: Any person who is interested in mosquito control and in the cause of mosquito control in Texas desiring affiliation with this Association, shall be eligible for membership and such membership shall entitle them to all privileges of the Association.

B. Sustaining Member: Sustaining Membership will be provided for Equipment and Material Suppliers. A sustaining member will be allowed one vote in the affairs of the Association.

C. Life Member: Life Membership shall be conferred upon persons retired from active mosquito control operations. Such classification shall be conferred by the general membership of the Association at an Annual Meeting.

D. Honorary Member: Honorary Membership may be conferred on any person, whether or not a resident of Texas who had rendered such service to the cause of mosquito control as to entitle this person to special recognition. Such membership shall be conferred by the general membership of the Association at an Annual Meeting. This membership shall include all past presidents of the Association who have attained the age of 65 years.

E. Voting Privileges: Each member, except Honorary members, shall be entitled to cast one vote personally or by written proxy during business meetings of the Association.

ARTICLE III

OFFICERS

A. Officers: The officers of the Association shall be those of President, President-Elect, First Vice-President, Second Vice-President, Secretary, and Treasurer.

B. President, President-Elect and Vice-President: The duties of the President, President-Elect and Vice-President shall be those commonly understood as connected with these positions.

C. Secretary:

1. The Secretary shall act as the Secretary of the Association, and of the Board of Directors.

2. The Secretary shall take and maintain minutes of all meetings.

3. The Secretary shall be a member of the Membership Committee and ensure a list of all members of the Association with the anniversary dates of their enrollment as members is kept.

4. The Secretary shall be a member of the Publicity, Newsletter, and Media Committee.

5. The Secretary shall produce an annual report of Secretarial activities and shall conduct such correspondence of the Association as is usually conducted by the Secretary of similar organizations.

D. Treasurer:

1. The Treasurer shall receive and have charge of all funds of the Association and funds shall be disbursed by the Treasurer as directed by the Board of Directors. In the event the Treasurer is incapable of carrying out the duties of this office, the President is empowered to execute checks on funds of the Association.

2. The Treasurer shall furnish a Financial Statement to Association members at each annual meeting and to the Board of Directors at those times these may be requested.

3. On an annual basis the Treasurer shall produce all banking accounts, books, vouchers and necessary documents for examination by the Audit Committee. The Audit Committee shall report the results of their audit to Association members in writing in an appropriate issue of the Association Newsletter.

4. If requested by the Board, the Treasurer shall furnish a surety bond in an amount that may be prescribed.

E. President-Elect: It shall be the duty of the President-Elect, during the year or period, following election to office, to become familiar through conference with the President and other officers with details of business and affairs of the Association, to facilitate better functioning of the office of President whenever the President-Elect assumes that office.

ARTICLE IV

TERM OF OFFICE

All officers shall be elected for one year, or until their successors are elected and qualified. No officer except the Treasurer or Secretary, with Board approval, shall succeed themselves. The President-Elect will succeed automatically to the office of President. Officers elected at any Annual Meeting shall begin their duties on the day of installation of the new officers at that Annual Meeting.

ARTICLE V

BOARD OF DIRECTORS

A. Membership: The Board of Directors shall consist of:

1. The Officers of the Association (President, President-Elect, First Vice-President, Second Vice-President, Secretary, and Treasurer)

2. The immediate Past-President

3. Two members at large elected as Directors for a period of two years.

4. The Regional Director to the American Mosquito Control Association from the Southwest Central Region, who shall serve as an ex-officio member of the Board. The ex-officio clause does not apply if this person is simultaneously serving as an Officer of the Association, immediate Past-President, or as a Director elected at large.

B. Chairman: The President of the Association shall be Chairman of the Board of Directors.

ARTICLE VI

QUORUM

A. General Business Meetings: A quorum of any meeting of the Association shall consist of not less than 25% of the Active Members, at least two of whom shall be officers of the Association.

B. Board Meetings: A quorum of the Board of Directors shall consist of any four or more members of the Board.

ARTICLE VII

MOTIONS AND RESOLUTIONS

A. Business Conducted at Annual Meetings:

1. The officers of the Association shall inform Association members of their activities since the last Annual Meeting and indicate which matters need member approval by presenting appropriate motions and resolutions for consideration.

2. Motions and resolutions may be presented from the floor at any Annual Meeting of the Association by any member in good standing. Matters involving policy, however, shall be referred to the Board of Directors for study and the Board shall report its recommendations back to Association members for action at that or a subsequent Annual Meeting.

B. Business Between Annual Meetings: The Board of Directors shall have full power of the Association in all matters demanding actions between meetings of the Association, and shall submit at the next succeeding meeting a report of all actions taken by them under authority of this section.

ARTICLE VIII

AMENDMENTS

This constitution may be amended by a two-thirds vote of the active members present at any Annual Meeting when a quorum is present, provided notice of the proposed amendment was given in writing to the Secretary and transmitted by the Secretary in writing to active members, 30 days before the Annual Meeting, and provided that notice of the time a vote on said amendment has been announced at least twelve hours in advance of its occurrence.

ARTICLE IX

FISCAL YEAR

The fiscal year of the Association shall begin January 1 each year and coincide with calendar year annually.

ARTICLE X

ELECTIONS

A. Officers of the Association shall be elected at each Annual Meeting by ballot or viva-voce, such Annual Meeting to be held at a time and place designated by a majority vote of the Board of Directors.

B. No member shall be eligible for office who has not been a member of the Association for one year.

C. Vacancies in the office of President between terms shall automatically be filled through succession in the following order: President-Elect, First Vice-President, Second Vice President.

D. Upon a vacancy in an office other than that of President, the President shall call a special meeting of the Board of Directors within 30 days of the notice of such vacancy. Whereupon, the Board shall appoint a successor to fill the vacancy in the respective office until an election can be held at the next Annual Meeting. In case the President is unable or unwilling to call a special meeting to fill such a vacancy, then the Secretary after consulting with other officers shall call a meeting of the Board for this purpose.

ARTICLE XI
DISSOLUTION

- A. None of the profits of the Association shall inure to the benefits of any of its members.
- B. In the case of dissolution and after all indebtedness has been paid, the remaining assets will be transferred to the American Mosquito Control Association, Incorporated.

BY - LAWS
ARTICLE I
MEETINGS, FEES AND DUES

- A. Annual Meetings: An Annual Meeting shall be conducted by the Association, with the time and place being decided by a majority vote of the Board of Directors. Plans for next Annual Meeting informing members of the scheduled time and place shall be announced during each Annual Meeting.
- B. Special Meetings: Special Meetings of Association members may be organized and announced as determined by the Board of Directors.
- C. Fees and Membership Dues:
 - 1. The Board of Directors shall determine what membership dues and service fees may be needed to support the activities of the Association.
 - 2. Membership dues shall be payable annually before January 1 of the year membership is requested.
 - 3. Honorary and Life members shall not be required to pay membership dues.

ARTICLE II
COMMITTEES

- A. Standing Committees:
 - 1. The Membership Committee shall consist of five active members of the Association including the Secretary. This Committee shall investigate and promote memberships in the Association.
 - 2. The Publicity, Newsletter, and Media Committee shall consist of five active members, including the Secretary. This committee will produce and distribute the TMCA newsletter, act on TMCA webpage/internet issues, and conduct public relations using traditional and online resources.
 - 3. The Legislative Committee shall consist of five active members whose duties shall be such as assigned by the President.
 - 4. The Program Committee shall consist of the members of the Board of Directors and their duties shall be to provide programs for each Annual Meeting.
 - 5. The Scholarship and Awards Committee shall consist of three active members of the Association, which includes the Secretary as ex-officio member. This Committee shall have full and total authority to administer the James Gus Foyle Memorial Scholarship, the Dr. James D. Long Memorial Scholarship (undergraduate), the Dr. Jimmy K. Olson Memorial Scholarship (graduate), and the Bull Schmidt Award, and to administer any other awards or scholarship that may be established. In the solicitation, reviewing,

selecting and awarding a scholarship or award to applicants, no persons shall be discriminated against because of sex, religion, race, color or national origin.

B. Special Committees:

1. The Nominating Committee shall consist of five active members who shall recommend to the Association candidates for election as Officers and Directors.
2. The Auditing Committee shall consist of five active members whose duties shall be to annually examine and audit the financial records of the Association and to report the financial condition of the Association to Association members.
3. The Constitution, By-Laws, and Resolutions Committee shall consist of five active members. This Committee shall periodically review the TMCA Constitution and By-Laws and adjust them as described in Article VIII of the Constitution and Article V of the By-Laws. All resolutions shall be presented to this Committee, who in turn will present them to Association members for approval at an Annual Meeting.
4. The Financial Support Committee shall consist of three active members and work with members, vendors, and the public to ensure funding of TMCA activities.
5. The Workshop CEUs Committee shall consist of three active members and organize the annual spring workshop. They shall coordinate with the appropriate agency or agencies for Continued Education Units (CEUs) for workshop attendees.
6. The Local Arrangements Committee shall consist of five active members located in or near the upcoming Annual TMCA Meeting (fall) and shall work with the Program and Scholarship and Awards Committees to coordinate for the hotel, and other required venues for holding the annual meeting.
7. The Systematics Committee shall consist of three active members who have an intermediate to advanced knowledge of mosquito systematics. This committee shall update the TMCA mosquito species list and provide guidance on dealing with evolving systematic issues.
8. The Board of Directors shall organize other committees as from time to time may be deemed necessary.

ARTICLE III

RULES OF ORDER

Business sessions of the Association shall be conducted in accordance with Robert's Rules of Order.

ARTICLE IV

PUBLICATIONS

All publications of the Association shall be issued under the direction of the Board of Directors and shall become the property of the Association.

ARTICLE V

BY - LAWS AMENDMENTS

These by - laws may be amended by a two-thirds vote of the members present at any Annual Meeting, provided that notice of the proposed amendment has been given in writing to the Secretary and transmitted by the Secretary to the active members 30 days preceding the Annual Meeting.

Approved at the TMCA Annual Business Meeting on the 18th day of October 2017.

Chris Fredregill, President

William J. Sames IV, President Elect & Chair, Constitution & By-Laws Committee

Revised: December 14, 1965

October 26, 1978

October 10, 1980

October 15, 1981

January 6, 1987

October 7, 1993

October 18, 2017

END OF TMCA CONSTITUTION AND BY-LAWS

**CONTINUOUSLY WET
CONDITIONS.
CONTINUOUSLY
CONTROLLED.**

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

Our founders discovered the molecule (S)-methoprene – the original insect growth regulator (IGR) used in all Altosid® environmentally compatible mosquito larvicide formulations. Now, we're proud to introduce our latest innovation, Altosid® P35 granules. With a uniform spherical design, the Altosid® P35 granule provides 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.

 **CENTRAL** *Life Sciences*®

 **Altosid**®

Altosid is a registered trademark of Wellmark International. Central Life Sciences with design is a registered trademark of Central Garden & Pet Company. ©2018 Wellmark International



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.

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



Western Gulf Center of Excellence
for Vector-Borne Diseases

Jackson, Mississippi - Aug 28 - 30

Monroe, Louisiana - Sept 11 - 13

San Antonio, Texas - Oct 2 - 4

Dallas, Texas - Oct 23 - 25

Weslaco, Texas - Nov 6 - 8

Houston, Texas - Dec 4 - 6

MASTER
VECTOR-BORNE
DISEASE
MANAGEMENT
CERTIFICATION
COURSE

3-DAY MOSQUITO WORKSHOP INCLUDES:

Vector Biology and Ecology: Training focused on Medical/Veterinary Entomology

Epidemiology of Vector-Borne Diseases: Field instruction and Lab experience in vector surveillance

Prevention & Communication Activities: Instruction on community wide implementation of prevention strategies, tools for developing programs

Insecticide Resistance Monitoring: Hands-on application methods for assessing insecticide resistance monitoring

Outbreak Response for Vector-borne Diseases: Integration of vector/pathogen surveillance and assessment with vector control management

All Fees Covered - Breakfast/Lunch

