

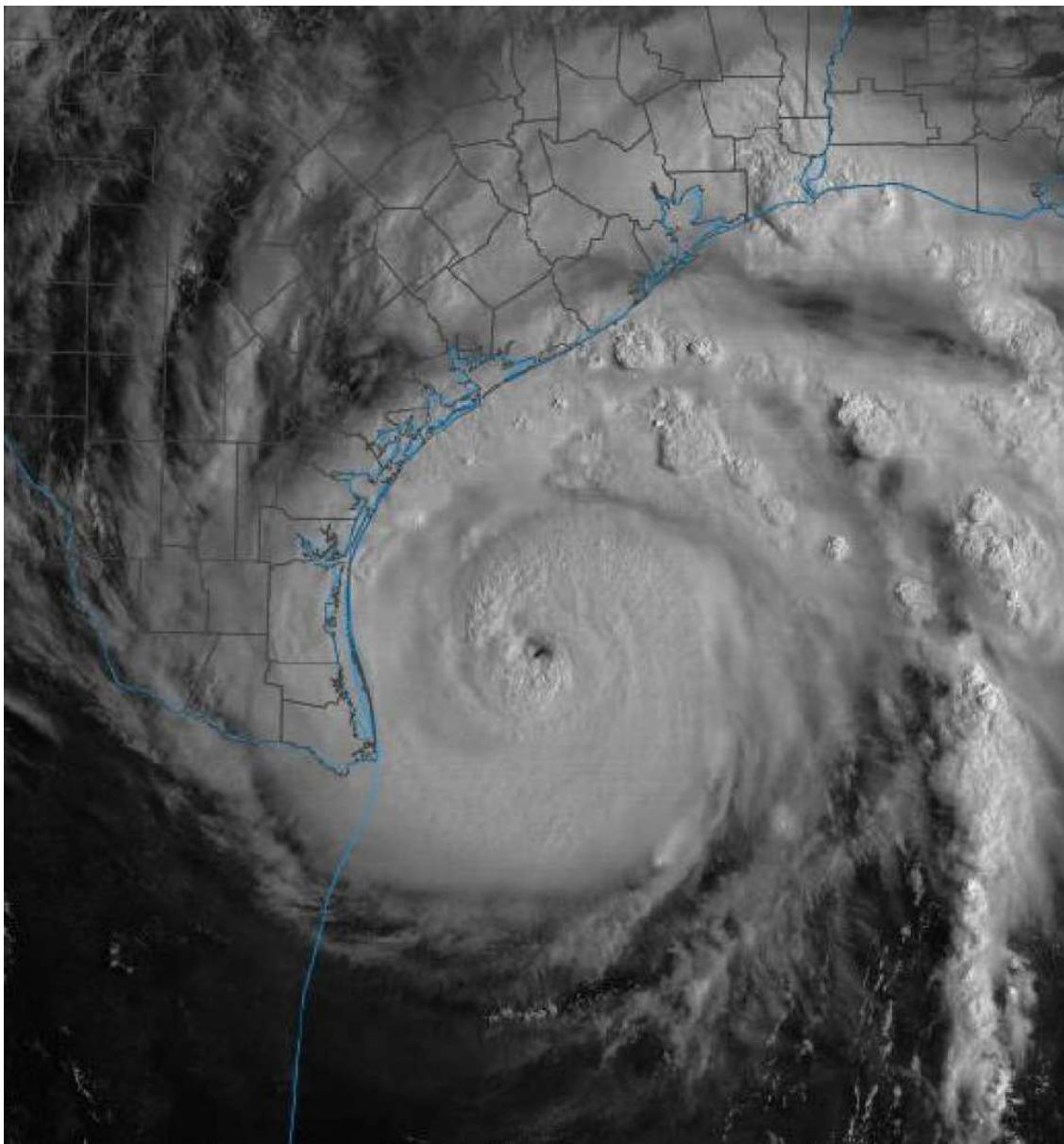
TEXAS MOSQUITO CONTROL ASSOCIATION NEWSLETTER

Volume 37

August

2017

Hurricane Harvey Impacts Texas



Editor – Nina Dacko

Photo: National Weather Service

Asst. Editors – James Garcia, Salvador Rico, William Sames

2017 Texas Mosquito Control Association Board of Directors

President	Chris Fredregill	HCPHES Mosquito Control Div., 3330 Old Spanish Trail, Bldg. D, Houston, TX 77021; (713) 440-3050; cfredregill@hcpbes.org
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Director	Nina Dacko	TCPH Vector Control, 1101 S Main St. Fort Worth, TX 76104; nmdacko@tarrantcounty.com
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Past President	Jeff Flosi	University of Houston – Downtown, One Main St., Suite N-820, Houston, TX 77002; (713) 221-8171, FlosiJ@uhd.edu

2017 Texas Mosquito Control Association Standing Committees

Membership	Greg Marciniak, Chair	M. Nichols, B. McFall
Financial Support	Patrick Beebe, Chair	J. Flosi, M. Nichols, P. Sutton
Publicity	Nina Dacko, Chair	S. Sawlis, M. Nichols
Legislative	, Chair	R. Duhrkopf
Workshop CEU's	Rick Duhrkopf, Chair	M. Nichols, J. Flosi
Scholarship & Awards	Jeff Flosi, Chair	R. Duhrkopf
Program & Proceedings	Nina Dacko, Chair	Board of Directors
Auditing	Mike Nichols, Chair	M. Nichols
Nominating	Mark Johnsen, Chair	J. Flosi, S. Sawlis, R. Duhrkopf
Resolutions	William Sames, Chair	S. Sawlis, W. Becker, M. Nichols

2017 Texas Mosquito Control Association Special Committees

Handbook/Workbook Revision	, Chair	S. Sawlis, R. Duhrkopf
Constitution & By-laws	William Sames, Chair	N. Dacko
Local Arrangements	, Chair	R. Duhrkopf, M. Nichols
Newsletter/Media	Nina Dacko, Chair	J. Garcia, S. Rico, W. Sames
Systematics	Jeff Flosi, Chair	R. Duhrkopf, W. Sames



Chris Fredregill

Message from the President Chris Fredregill

Hello from Harris County,

At the time of this writing, I am (as many of us are) overwhelmed by all there is to be done in the months to come. Hurricane Harvey is nothing we have ever seen before; a flood of truly Biblical proportions and a personally astounding experience. Although I say it after every hurricane; Harvey was definitely more than I was ready for. The full impact of this storm on the Texas coast will take years and billions of dollars to recover from and the area and communities forever changed. Millions of people have been affected and among them, many of our fellow TMCA members.

It is unclear as to the status of all the TMCA members who live in the affected areas but my hope is that everyone is safe, dry, and able to assist in the recovery efforts. I would wager that all have either experienced property loss or know someone who has. To all that have been affected, we wish you a speedy recovery in the time ahead.

In addition to dealing with the repercussions of loss within our personal communities, many of us as TMCA members are also first responders to post-hurricane mosquito control. Beyond personal recovery, we must focus on reestablishing operational readiness and conducting mosquito surveillance and control. I hope and suspect that outside agencies will offer their assistance to affected areas through a variety of channels, so let's all remain diligent about maintaining lines of communication within our organization.

If you live in an area that was not adversely affected by Hurricane Harvey and want to help, consider making a donation (money is best, unless the organization specifically requests certain items) to JJ Watt's foundation or other legitimate service organizations and/or by donating blood to your local blood bank. Unaffected MCDs may want to reach out to affected MCDs and offer assistance in reestablishing programs. If you live in an affected area, please consider assisting those that have been less fortunate by helping with the recovery efforts. It has been great to see individuals from all walks of life coming together to help flood victims remove sheetrock, insulation and flood damaged items from homes of neighbors they didn't previously know. Assistance can also come in the form of volunteering at one of the many shelters or distribution centers, or providing provisions to those working in affected areas.

Specifically regarding TMCA business, please don't forget our annual meeting in Fredericksburg this year, as I am looking forward to seeing each and every one of you there. With the occurrence of Hurricane Harvey and other mosquito control initiatives, I know we will all have plenty of stories and experiences to share. This may be one of the best and most exciting meetings yet. Don't forget to apply for the scholarship presentations and awards for this year. I especially would like to encourage nominations for the prestigious Bull Schmidt Operational Award and presentation, since it has been several years since our last presentation.

The Constitution and By-Laws Committee made significant changes to the TMCA Constitution and By-Laws, which was last revised in 1993. These documents with their changes are printed in this newsletter. Please review, as the members need to approve these changes at our business meeting this October.

My best wishes to all those who were affected by Hurricane Harvey. Although the coming weeks will continue to challenge us all, I am sure Texans will rise to the occasion and serve our communities well.

Be safe,

Chris Fredregill

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 page ad. Submit copy ready artwork to the TMCA Editor. Electronic files in MS Word or PDF are preferred.

AMCA Annual Meeting, February 26 – March 2, 2018, Sheraton Crown Hotel, Kansas City, MO.

AMCA South Central Director. Every few years the AMCA South Central Director switches from TMCA to LMCA representation. Dr. Rick Duhrkopf has been the Regional Director since 2012 and Herff Jones (longtime LMCA member) will take over those responsibilities in the near future.

TMCA Committees. On the previous page, did you notice all the vacancies in the TMCA Committee assignments? It has been awhile since these were updated and as you can see, there are opportunities to get involved and make a difference in the TMCA! Contact the Committee Chair or any TMCA Board member and tell them the committee on which you want to serve.



Update on the *Culex coronator* Distribution in Texas

By William Sames

In the May newsletter, I reported on the start of this study and requested input from TMCA members. Several members responded with lots of good *Cx. coronator* data and this greatly helped move this effort forward. For counties without data, we began active collections in June and now have data to support the existence of *Cx. coronator* in 80 Texas counties. The hardest parts of this effort are driving to so many counties, then getting permission to collect at suitable locations. Besides the collections, we are learning a lot about this and other species. What other mosquito larvae are associated with it? When can you find it seasonally? Is there a preference of habitat by this species? I will report our findings at the TMCA meeting in October and hope you will be there to hear what we found.

Meanwhile, we still need your help! If you have *Culex coronator* data from a previous year's surveillance or want to assist with collecting this species (it's been active since at least May!), please contact Nina (nmdacko@tarrantcounty.com) or William (Bill; mosquitodoctor@yahoo.com). Dr. Bethany Bolling, Texas Department of State Health Services, has joined this study and is searching public state records for data on this species.



**Western Gulf Center of Excellence
for Vector-Borne Diseases**

**Master Vector-Borne Disease Management
Certification Course 2017**

To be Offered in:

San Antonio, TX— Sept 18-20

Houston, TX— Sept 25-27

Dallas, TX— Oct 24-26

Weslaco, TX—Nov 14-16

****Houston registration is FULL. Location and/or date may change due to Hurricane Harvey. You will be contacted by course staff for date/location changes.

****Houston registration is FULL. Location and/or date may change due to Hurricane Harvey. You will be contacted by course staff for date/location changes.

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

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

- *Space will be limited to the first 25 registrants*

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 mosquito and tick

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

NO CHARGE for PROGRAM—Lunch will be provided



➤ Texas Mosquito Control Association



TMCA Annual Meeting

Annual Meeting

Share your research with your peers

Date: 10/18/17 and 10/19/17

Location:

Inn at Baron's Creek

308 S. Washington St.

Fredericksburg, TX 78624

830-990-9202

<http://www.innonbaronscreek.com/>



Mention TMCA meeting to get discounted room rates @ \$89/single/double

Room rate cutoff date is September 18, 2017

For more information including registration and call for papers visit: [http://](http://www.texasmosquito.org/)

www.texasmosquito.org/

[AnnualMeeting.html](http://www.texasmosquito.org/AnnualMeeting.html)



Why should you attend and participate in the Annual TMCA meeting?

Because it's educational, it's motivating, it's professional development, and it's fun! The Annual TMCA meeting is an opportunity for everyone interested in mosquito control and mosquito research to collectively gather and share ideas and data from the previous year's field and laboratory experience. You'll find personnel from organized mosquito control districts, private pest control operators who perform mosquito control, University professors and students, military medical entomologists, representatives from state agencies that support or monitor public health or mosquito control applications, emergency "first responders", city managers, and many others from a wide background of experience. What better way to learn more about mosquitoes than to mingle with the best mosquito controllers and researchers in the State of Texas and be able to talk to them in person? Topics depend upon submissions from TMCA members and guest speakers, but you can expect to hear about: mosquito control and research updates, changes in laws and regulations related to the mosquito control industry, presentations on new mosquito control and surveillance equipment, and of course disease updates (West Nile virus, Zika, and others). I suspect there will be presentations on the effect of Hurricane Harvey to coastal mosquito control districts. Consider presenting a talk about your mosquito control activities; you'll be a better person for participating. Many vendors (last year 7) will attend and display their newest and best equipment and products. You'll learn a lot by visiting the vendor display area and taking the time to talk to the vendor representatives. All in all, you can't go wrong by attending and participating in this year's TMCA meeting.



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, Department of Natural Sciences, University of Houston-Downtown, One Main Street, Suite N813, Houston, Texas 77002, (713) 221-8171 Office, (713) 221-8528 Fax, flosij@UHD.EDU

The Chair, Scholarship and Awards Committee must receive applications not later than 26 September 2017. TMCA 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, Department of Natural Sciences, University of Houston-Downtown, One Main Street, Suite N813, Houston, Texas 77002, (713) 221-8171 Office, (713) 221-8528 Fax, flosij@UHD.EDU The Chair, Scholarship and Awards Committee must receive applications not later than 26 September 2017. 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

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The Chair, Scholarship and Awards Committee must receive applications not later than 26 September 2017. TMCA 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 26 September 2017.

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.

TEXAS MOSQUITO CONTROL ASSOCIATION
2017 Annual Fall Meeting
October 18 - 19, 2017, Fredericksburg, Texas
PRE-REGISTRATION FORM
Pre-registration deadline is October 11, 2017
Pre-registration fee \$95, Walk-in registration \$110
Delegate and Student registrations include 2018 dues.

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

Name: _____ TDA License #: _____

Employer: _____ Position: _____

Work Mailing Address: _____

City: _____ State: _____ Zip: _____

Work Phone: _____ Work Fax: _____

Email Address: _____

Type of pre-registration: Delegate: _____ Fee: \$95 (Includes 2018 dues)

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

Student: _____ Fee: \$65 (must show valid student ID)
(Includes 2018 dues)

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 18-19, 2017
 Inn on Baron's Creek, 308 S. Washington St.
 Fredericksburg, TX 78624, 830-990-9202



Exhibitor's Registration Information

Company Name:		
Address:		
City:	State:	Zip:
Phone number:	Fax number:	
Contact:	E-mail:	
<input type="checkbox"/> EXHIBITOR		
_____ 1 (One) booth \$300	Registrant (Name)	_____
_____ 2 (Two) booths \$400	Registrants (Names)	_____
_____ More than two booths (Rate will be quoted)	_____	

Event Sponsor (Sponsorship of the events is on a first come basis)

Lunch Buffet (1 available)	\$1,125	\$ <input style="width: 150px;" type="text"/>
Breakfast Buffets (2 available)	\$ 900 ea.	\$ <input style="width: 150px;" type="text"/>
Hospitality Hour (1 available)	\$ 525	\$ <input style="width: 150px;" type="text"/>
Coffee Breaks (3 available)	\$ 250 ea.	\$ <input style="width: 150px;" type="text"/>
Event Sponsorship Amount		\$ <input style="width: 150px;" type="text"/>

Contributing Sponsor (A minimum contribution of \$125 is required)

Please list my company as a contributing sponsor..... \$

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

Total Payment Enclosed (Exhibitor, Event and/or Contributing Sponsor)..... \$

IF PAYING BY CHECK, PLEASE MAKE ALL CHECKS PAYABLE TO: **TEXAS MOSQUITO CONTROL ASSOCIATION** and send to address provided below. Credit Card Payments accepted at meeting location.

MAIL TO:

Patrick D. Beebe ■ Orange County Mosquito Control District ■ 123 S. 6th Street ■ Orange, TX 77630
 (409) 883-5717 ■ Fax: (409) 886-7990 ■ E-mail: pbeebe@co.orange.tx.us

**TEXAS MOSQUITO CONTROL ASSOCIATION
2017 ANNUAL MEETING
FREDERICKSBURG, 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 30 SEPTEMBER 2017

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

E-mail Address: nmdacko@TarrantCounty.com

**TEXAS MOSQUITO CONTROL ASSOCIATION
2017 ANNUAL MEETING
FREDERICKSBURG, TEXAS**

TUESDAY, 17 OCTOBER 2017

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

WEDNESDAY, 18 OCTOBER 2017

7:00 - 8:30 am **Free Breakfast Buffet** for meeting registrants and companions

GENERAL SESSION A

8:30 am Call to Order
 Message from the President of the TMCA
 Message from the AMCA
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, 19 OCTOBER 2017

7:00 - 8:30 am **Free Breakfast Buffet** for meeting registrants and companions

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



Native Texans Protecting Texans

NOW IS THE TIME TO TALK ABOUT
MOSQUITO MANAGEMENT.



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 insectory
- Staff training/PPE/Safetv



MUNICIPAL MOSQUITO

LET US KNOW HOW WE CAN HELP.

214.612.8044

info@municipalmosquito.com

www.MunicipalMosquito.com



NOTICE

TMCA Constitution and By-Law Revision

The TMCA Constitution and By-Laws were last revised in 1993. Since then, procedures have changed, new scholarships have been added, and word usage has changed. The changes in the document below bring the TMCA Constitution and By-Laws up to date. Per the Constitution and By-Laws, notice is hereby given as to the proposed changes to these documents. **These changes will be voted upon by the TMCA membership at the Annual Business Meeting to be held at 4:00 p.m. on October 18th in Fredericksburg, Texas.** Changes may be found by looking for the vertical line in the left margin. The change is further colored in light blue with a line running through deleted text and new or replacement text being next to it without a line running through it. All TMCA Board members were given the opportunity to revise and/or comment on this document. The TMCA Constitution and By-Laws Committee recommends approval of these revisions.

One of the major revisions is the combining of the Publicity Standing Committee with the Newsletter and Media Special Committee to create the Publicity, Newsletter, and Media Committee. Similarly, the Constitution and By-Laws and Resolution Committees will be combined.

Here are the revised documents:

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 ~~Annual Meeting Proceedings, Newsletters~~ 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 ~~him~~ 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. ~~He~~The Secretary shall take and maintain minutes of all meetings.

3. ~~He~~The Secretary shall ~~keep~~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. ~~He~~The Secretary shall ~~oversee the publication of Newsletters,~~be a member of the Publicity, Newsletter, and Media Committee.

5. The Secretary shall produce an annual report of ~~his~~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 ~~him~~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 ~~himself~~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 ~~that~~ notice of the proposed amendment ~~has been~~ was given in writing to the Secretary and transmitted by ~~him~~ 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~~Annual Meeting.

B. Special Meetings: Special ~~meetings~~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. ~~The duties of This committee will produce and distribute the Committee shall be such as assigned by the President.~~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~~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 ~~him~~the Secretary to the active members 30 days preceding the Annual Meeting.

Revised: December 14, 1965

October 26, 1978

October 10, 1980

October 15, 1981

January 6, 1987

October 7, 1993

October 18, 2017

END OF CONSTITUTION AND BY-LAWS

**REMEMBER, THESE CHANGES WILL BE
VOTED UPON BY THE TMCA MEMBERSHIP
AT THE ANNUAL BUSINESS MEETING TO
BE HELD AT 4:00 P.M. ON OCTOBER 18, 2017
IN FREDERICKSBURG, TEXAS!**

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: Proceedings of the annual Fall Meeting are published and distributed to active members. A newsletter is published quarterly and emailed to all active members. The Association website 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 the attendees.

CEUs: CEUs for the Texas Department of Agriculture Pesticide 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 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 Sustaining 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: _____
Return application & remittance to: Texas Mosquito Control Association (TMCA)
Gregory 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