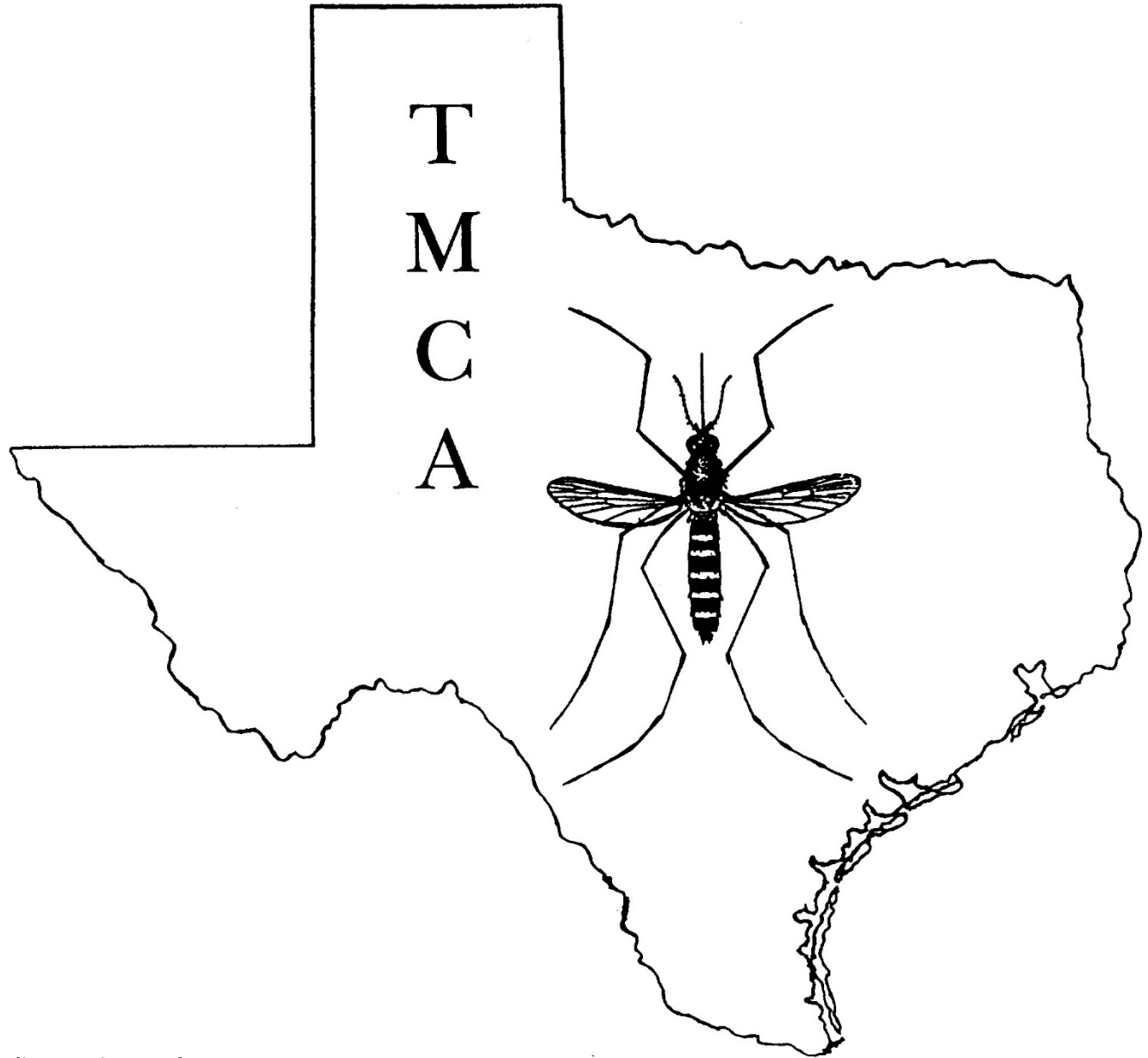


TEXAS MOSQUITO CONTROL ASSOCIATION NEWSLETTER

Volume 37	May	2017
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Editor – Nina Dacko

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

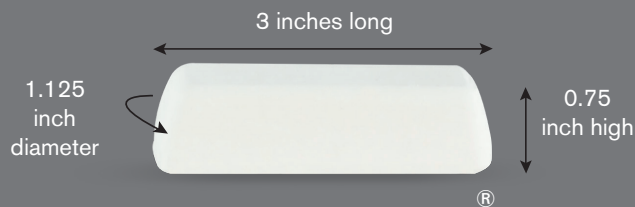
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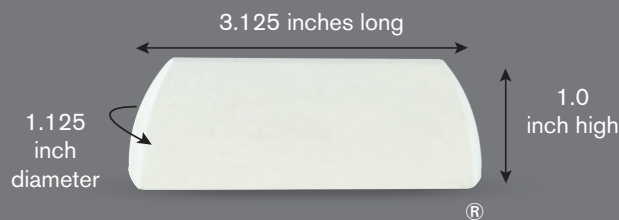


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Chris Fredregill

Message from the President Chris Fredregill

I really enjoyed seeing everyone at the Spring Workshop in beautiful Belton, TX and I'm looking forward to seeing everyone in Fredericksburg mid-October. I am also anxiously awaiting 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. Come October, I'm predicting that we will all have plenty of stories and experiences to share from what is shaping up to be a busy season.

We at Harris County Public Health and Mosquito and Vector Control Division have been busy trapping mosquitoes, testing them (including PCR tests for Zika), conducting property inspections, and revving up our colonies for our Insecticide Resistance Management activities. We are also preparing to calibrate our equipment (everyone's favorite part of controlling mosquitoes), offer our Annual CEU workshop with our partners at Texas A&M AgriLife Extension, and hire our seasonal and grant staff. If you know someone looking to start in mosquito control, have them give me a call! We are also preparing to conduct the AMCA's Best Practices for Integrated Mosquito Management Train the Trainer Event later this year (more details to come).

In closing, I would like to say that this year has the potential to be one of the most intense years in recent memory (especially if Zika continues its spread). So buckle up and keep us all posted. I look forward to reconnecting with everyone in October if not sooner.

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

TMCA Annual Meeting, October 18-19, 2017, Fredericksburg, TX. More info in August newsletter!

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

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.

AMCA Honors Dr. Jimmy K. Olson – *By William Sames*

Dr. Jimmy K. Olson, former Professor of Entomology at Texas A&M University, was the subject of the American Mosquito Control Association's (AMCA) Memorial Lecture. Bill Sames, Texas Mosquito Control Association (TMCA) President-elect, presented the lecture at the AMCA's annual meeting in San Diego on February 14, 2017. The 45-minute lecture and PowerPoint presentation highlighted aspects of Dr. Olson's life. In high school and college, Dr. Olson participated in numerous extracurricular activities and was noted for his scholarship, musical, and drawing talents.



Dr. Jim Olson. Photo by TAMU AgriLife Extension Service

After college, Dr. Olson served as an officer in the US Army and was stationed at Dugway Proving Grounds, Utah. After serving his commitment, Dr. Olson studied mosquitoes under Dr. William R. Horsfall at the University of Illinois.



Bill Sames presented the Jim Olson Memorial Lecture. Photo by Rick Duhrkopf.

In January 1971, Dr. Olson began teaching and research responsibilities at Texas A&M University in College Station. He conducted surveillance studies during the 1971 Venezuelan Equine Encephalitis outbreak. Later, he received two large research grants. The first was to conduct tsetse fly research in Mali, West Africa. The second grant became known as the Riceland Mosquito Management Program (RMMP), which ran from 1979-1994. The RMMP was a multistate program that funded graduate student research at universities in Texas, Louisiana, Mississippi, Arkansas, and California. Dr. Olson was the lead and manager for this funding and research.

Dr. Olson taught undergraduate and graduate courses in Medical Entomology and closely related subjects. In the fall of 1999, he taught the initial Forensic Entomology course at Texas A&M. It was a success, but labor intensive. In 2004, enrollment was limited to 60 students.

Dr. Olson was active in 9 professional organizations and served in leadership positions in the American Mosquito Control Association, the Texas Mosquito Control Association, the Entomological Society of America, and the American Registry of Professional Entomologists (now ESA Board Certified Entomologists). He received awards from each of these organizations recognizing his expertise in medical entomology and his service to the organization.

Dr. Olson retired in August 2007 and turned his attention to family, friends, and community activities. He passed away on July 2, 2015. A standing room only Memorial Service was conducted at the Baptist Church in Snook, Texas and he was interred next to his wife, Carolyn, in the Bryan City Cemetery.

The complete lecture honoring Dr. Olson will be published in the June 2017 issue of the Journal of the American Mosquito Control Association.



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INNOVATIVE

The 83rd American Mosquito Control Association Annual Meeting, San Diego, 2017

By Nina Dacko



The American Mosquito Control Association (AMCA) is a national organization that provides education, materials, subject matter experts, connections, job postings, and many other services. It is not affiliated with anything political, governmental or particular business and is not-for-profit. The AMCA is primarily an information gathering and exchange organization. The AMCA also publishes the Journal of the AMCA, special technical publications, and the AMCA Newsletter. An agreement with the Florida Mosquito Control Association (FMCA) adds AMCA members to the distribution list for WingBeats, a trade magazine published by the FMCA. The last sentence and more information can be found here: (<http://www.mosquito.org/about-amca>) The TMCA is a sustaining member of the AMCA. Our treasurer, Dr. Rick Duhrkopf, is the South-Central Regional Director which includes Arkansas, Louisiana, Mississippi, Oklahoma, and Texas.

For those of you who have not attended an AMCA annual meeting, I highly recommend it. If you're anything like me, who is passionate about vector control work and enjoy networking, you'll likely be hooked. It was sunny the whole week and San Diego, though expensive, is breathtakingly beautiful. There were plenty of seafood restaurants near the water and great local breweries. The conference's 1970s housing was not the finest in quality, but most of the company was superb. The conference started with an ever-jovial Stan Cope's salutations and a heart-filled memorial lector honoring Dr. Jimmy Olson by our own president-elect Dr. William Sames. There was a large room where visitors could check out the latest in pesticide technology (chemical, biological, technological and services). As with the past few years, this year, Zika seemed to heavily influence many of the sessions. Aside from Zika research and findings there were presentations and discussions on everything from Oxitech's GMO mosquitoes, to forest fire mosquito stories, to new GIS programs, new products, and the list continues. I also highly suggest that if you've found something worth sharing- like a modification to piece of equipment, research or just a story or situation, you should consider presenting your information at the meeting or JAMCA or WingBeats.

The AMCA has developed new guidelines for mosquito control and the TMCA will be following these- (https://amca.memberclicks.net/assets/HomePage/amca%20guidelines%20final_pdf.pdf) and as always- they are focused on the use of integrated mosquito management techniques. The TMCA will also share the AMCA educational video about mosquito-borne diseases.



***Culex coronator* Distribution in Texas**

By William Sames

Seriously now, this species has been in Texas for a long time and is probably distributed across the entire state or at least much of it. Unfortunately, no one has compiled the data or collected samples to complete a distribution for this species (and others) in Texas. This species is in other states (New Mexico, Arizona, Louisiana, Mississippi, Alabama, Georgia, North and South Carolina, and I've heard rumors that it has been found in other states as well. To correct the Texas distribution maps, Nina Dacko and I started the process of collecting samples and combining data to create a comprehensive distribution map for this species. However, with 254 counties in Texas, we need your help! This species appears in August and continues into the fall until a hard freeze or a lengthy cold spell kills it. The larvae are found in livestock watering troughs, intermittent streams that have pools of water after fall rains, and other artificial containers. Occasionally, the adults will show up in light trap collections. They appear to be only an occasional biter of humans. If you have *Culex coronator* data from a previous year's surveillance or want to assist with collecting this species this fall, please contact Nina (nmdacko@tarrantcounty.com) or William (Bill; mosquitodoctor@yahoo.com).

Excerpts from: Texas Medicaid Mosquito Repellent Benefit Aims To Protect Texans

Tuesday, April 25, 2017; Charles Smith, Executive Commissioner; Contact: Kelli Weldon, 512-424-6653

Starting May 1, Texas will begin providing this year's statewide Medicaid benefit for mosquito repellent to prevent Zika virus transmission.

For the first time in Texas, some boys and men will be eligible to receive the benefit, as well as women ages 45 to 55.

Eligible recipients can pick up mosquito repellent at participating pharmacies without needing a prescription, as Texas Medicaid has issued a standing order for mosquito repellent for the benefit.

The benefit is for pregnant women, women ages 10-55, and males age 14 and up who are enrolled in Medicaid managed care, fee-for-service, the Children's Health Insurance Program and CHIP-Perinatal programs. Recipients can pick up mosquito repellent without needing a prescription. In addition, individuals who meet the eligibility criteria for Healthy Texas Women, Children with Special Health Care Needs, or the Family Planning Program can receive the benefit. Eligible clients in the CSHCN program require a prescription.

The 2017 benefit includes up to two cans per month per eligible beneficiary. People are encouraged to call the pharmacy ahead of time because supply can vary by location. For the complete story and more information about the Zika virus, visit TexasZika.org.



2017 TMCA Workshop – *By James Garcia*

The 2017 TMCA Spring Workshop was held in Belton, TX, on March 8th and 9th at the unique and beautiful Summers Mill Retreat and Conference Center. This venue, seated between Austin and Waco provided an exceptional experience for our workshop. Attractions included a nature trail, country and rustic themed guest rooms, and many recreational activities. A TMCA sponsored breakfast was provided both days in the spacious, yet graceful Hillside Dining Room. Of course, all of this was accompanied by vendor sponsored coffee breaks, and the opening night's Early Bird Social. With Belton being a college town, interesting restaurant venues provided various food choices and sightseeing/entertainment opportunities.

There were 51 attendees. Of these, 8 were vendors and 9 were walk-in registrants. The meeting's focus for the workshop was centered around IPM, mosquito-borne diseases, surveillance, chemical control, and basic CEU related requirements.

The upcoming annual meeting will be held in historic Fredericksburg TX, on October 18-19, 2017. This surely will be an accommodating and eventful meeting! Meeting information forthcoming in the TMCA August Newsletter.



Located near Belton in an out-of-the-way location, the Summers Mill Conference Center was an excellent site for the TMCA workshop. Several attendees stated that we should come here more often! Photos, top and bottom left by William Sames, bottom right by Salvador Rico.

2017 TMCA Workshop Vendor Support

The companies listed on this page exhibited at the TMCA Workshop in Belton. Sponsoring companies are acknowledged in parenthesis. Please remember those who support TMCA when you seek mosquito surveillance and control products.

Photos by William Sames.



Dean May for AMVAC.
(Exhibitor, Sponsor-Coffee Break)



Ed Bredemeyer for Central Life Sciences.
(Exhibitor, Sponsor-Coffee Break)



Mike Nichols for Target Specialty Products.
(Exhibitor, Sponsor-Coffee Break)



Bryan McFall and Tony Perez for Univar Environmental Services. (Exhibitor, Contributing Sponsor)



Larry Heller for ADAPCO.
(Exhibitor, Contributing Sponsor)



Doug Carroll for Clarke Mosquito Control Products (Exhibitor, Sponsor-Hospitality Hour)



Donnie Powers for FMC (Fyfanon).
(Exhibitor, Contributing Sponsor)

More Workshop Pictures!

Photos by Salvador Rico



UTMB Awarded \$10 Million from CDC to Help Stop Spread of Vector-Borne Diseases

Will help fight diseases caused by Zika, West Nile, and others

GALVESTON, Texas – To help stop the spread of diseases carried by arthropod vectors such as mosquitoes and ticks, the Centers for Disease Control and Prevention awarded \$10 million to [The University of Texas Medical Branch at Galveston](#) to establish the Western Gulf Center of Excellence for Vector-Borne Diseases. The Center's work will protect public health in the region, the nation and beyond.

“With UTMB’s unparalleled expertise in arthropod-borne diseases, we along with our partners, are uniquely positioned to improve lives all across the Americas,” said Scott Weaver, director of UTMB’s Institute for Human Infections and Immunity and leader of the new center. “The center will enhance both the regional and national capacity to anticipate, prevent and control emerging and exotic vector-borne diseases.”

The award is a part of the CDC’s funding provided under the Zika Response and Preparedness Appropriations Act of 2016.


“Texas is a gateway for vector-borne diseases entering or emerging in the U.S.,” said Weaver. “We have seen dangerous viruses spread by arthropod vectors such as mosquitoes and ticks, including dengue, chikungunya, West Nile virus and Zika, establishing themselves and spreading, especially in the Gulf Coast region.”

Texas is particularly vulnerable to vector-borne diseases because of its climate, its location at the U.S.-Mexico border, and its major hubs for land, sea and air travel from the Caribbean and Latin America.

“The goal of the Center is to greatly improve our ability to anticipate mosquito- and tick-borne diseases,” said Weaver. “We will approach this problem from many different angles, including safe and reliable control of mosquitoes while safeguarding against insecticide resistance, new point-of-care methods for faster and more reliable disease diagnosis, improved predictions of disease emergence and spread, better understanding of how to serve communities affected by insect-borne diseases, and training a new generation of public health professionals highly skilled in vector-borne disease research and management.”

“Although we are able to predict the arrival of many vector-borne diseases, the U.S. is not adequately prepared to prevent these diseases from spreading and to protect at-risk populations, Weaver said. “The failures stem from complex problems such as difficulties in controlling the *Aedes aegypti* mosquito, the rise of vectors that are resistant to insecticides, and a decrease in public health expertise and preparedness in recent years.”

Partners in the new Center of Excellence will include The University of Texas Rio Grande Valley, The University of Texas at Austin, The University of Texas at El Paso, Texas A&M AgriLife, Texas A&M AgriLife Extension, Texas A&M Engineering Experiment Station, Vanderbilt University, the University of Colorado and the University of Houston as well as Harris County and 5 other local public health agencies, and the Texas Department of State Health Services.

The University of Texas Medical Branch, Office of Marketing and Communications, 301 University Boulevard, Suite 3.518, Galveston, Texas 77555-0144, [UTMB Newsroom](#),  @utmbnews,

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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 and a Handbook are published and distributed to active members. A Workbook is published for use at the Spring Workshop, and a Newsletter is published quarterly and mailed to all 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 \$10 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 \$20 per year, and Supporting Memberships are \$50 per year.

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Affiliation: _____ Position: _____

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