Louisiana Mosquito Control Association
Annual Conference
December 7th - 8th

2021
Trusted brands and your trusted partner.

One if by land, two if by water, and three if by air. Whatever your battle plan, ADAPCO is standing by to help preserve public health.

AMGUARD I Aventech I BVA I CALUMET I FMC I KLDLABS I Longray
Maruyama I MGK I Response Biomedical I Valent BioSciences

Innovation through formulation
visit azelis.com/us
myadapco.com

ADAPCO
Preserving Public Health

100 Colonial Center Pkwy  Suite 170  Lake Mary, FL 32746  Tel: (800) 367-0659
Welcome to the LMCA 64th Annual Conference

The Louisiana Mosquito Control Annual Conference is a valuable opportunity to learn from industry counterparts across the State of Louisiana about best practices and procedures to better fight mosquito and the diseases they transmit. The meeting content will qualify and serve as an LDAF recertification event for all categories. To receive certification, participants must attend all sessions and answer number code throughout.

Get comfortable at your computer and get ready to learn!

WHAT’S IN STORE?

Day One - December 7, 2021
- LMCA Board of Directors
- Session A: Plenary Session and Speaker Bios
- Session B: Plenary II
- Session C: Innovations
- Session D: Vendor Introductions
- Session E: Education and Outreach
- Session F: Student Competition

Day Two - December 8, 2021
- Session G: District Program Updates
- Session H: Insecticide Resistance/Evaluations
- Session I: Surveillance
- Session J: The Gumbo Pot
- Session K: LMCA Business Meeting
- Board of Director Nominees
The Board of Directors are pleased to present this year’s meeting virtually. To have the best experience, keep your line muted and your camera off. Use the chat box to ask questions. Attendance of the entire meeting is mandatory in order to receive recertification for designated Louisiana commercial applicator categories. Attendance will be verified with log-in and log-out times of each attendee. Polling will be conducted by randomly showing mosquito names throughout the meeting. At the conclusion of the meeting, use the link provided to submit your answers. Instructions will be provided by email and in a document placed in the chat box prior to the plenary session. If you experience technical issues during the meeting, please contact criegel@nola.gov for assistance. We hope you enjoy the 64th LMCA annual meeting.
Sumilarv® (WSP) gives mosquito abatement agencies a potent larvicide that remains highly effective in water management systems. The formulation combines high mosquito toxicity at low dose rates with flush-resistance qualities, allowing Sumilarv® to perform significantly better than other products in the market today.
**Session A: 8:00 a.m. - 9:30 a.m.**

### Plenary

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Contact Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 – 8:15 am</td>
<td>Call to order to 64th Annual LMCA meeting, Invocation, and Pledge of Allegiance</td>
<td>Dr. Claudia Riegel, New Orleans MTRCB; <a href="mailto:criegel@nola.gov">criegel@nola.gov</a></td>
</tr>
<tr>
<td>8:15 – 8:30 am</td>
<td>LMCA Presidential address</td>
<td>Josh Hightower - Cameron Parish Mosquito Control</td>
</tr>
<tr>
<td>8:30 – 9:10 am</td>
<td>Keynote address: Controlling “endemic(s)” during a pandemic</td>
<td>Theresa Sokol - Louisiana Office of Public Health</td>
</tr>
<tr>
<td>9:30 – 9:45 am</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>9:10 – 9:30 pm</td>
<td>AMCA Presidential Update</td>
<td>Dr. Mark Breidenbaugh, North West MVCD; <a href="mailto:mbreiden@kent.edu">mbreiden@kent.edu</a></td>
</tr>
</tbody>
</table>

---

**Protect the moment**

**Bayer** Environmental Science, a Division of Bayer CropScience LP, 5000 CentreGreen Way, Suite 400, Cary, NC 27513. For additional product information, call toll-free 1-800-200-3307. www.environmentalscience.bayer.us. Not all products are registered in all states. Bayer, the Bayer Cross and Suspend® PolyZone® are registered trademarks of Bayer. ©2021 Bayer CropScience LP.
Josh Hightower is a graduate of McNeese State University where he obtained a B.S. in Wildlife Management. He began working in mosquito control at Calcasieu Parish Mosquito Control where he served from 1997 until 2001. He has worked at Cameron Parish Mosquito Control since 2001 and has served as their director since 2009. Josh is the current President of the LMCA board. He is married to Jill Hightower, and has two sons (Walker and Dylan). In his spare time, he enjoys fishing, hunting, cooking, and coaching youth sports.

Theresa Sokol currently serves as the State Epidemiologist and Program Director for the Infectious Disease Epidemiology Section of the Louisiana Office of Public Health. In this capacity, she oversees surveillance for more than 80 infectious diseases and has led Louisiana’s epidemiologic response to outbreaks such as hepatitis A, Zika, Mumps, and most recently, COVID-19. Ms. Sokol has worked for the Louisiana Office of Public Health for 20 years, serving as the deputy state epidemiologist since 2013 and the acting state epidemiologist from April 2020- May 2021.

Dr. Mark Breidenbaugh is the current President of the American Mosquito Control Association (AMCA). As of August 2021, he is the Director of the Northwest Mosquito and Vector Control District in Corona, CA. A career Research Entomologist with the United States Airforce Aerial Spray Unit, Dr. Breidenbaugh remains a reservist with the Air Force. During his work with the Air Force, you may have seen him flying low overhead in a C-130 in hurricanes such as Floyd (1999), Katrina (2005), Rita (2005), Gustav (2008), Ike (2008), and Harvey (2017). Mark received a Bachelor of Science in Botany from Cal Poly Pomona and a Master of Science in Entomology from the University of California, Riverside. In 2008, Mark was promoted to Dr. Mark obtaining a Ph.D. in Aquatic Ecology from Kent State University.
Veseris means greater impact for you and your community. As demand for mosquito control services grows, pest management professionals are turning to Veseris to expand their offerings and drive business forward. Along with mosquito control essentials and customer favorites like MasterLine Kontrol, we deliver the insight, services, and support you need — where and when you need them. Reach out to our experts for local advice and nationwide distribution. Veseris is ready to help you get started.

© 2020 ES OpCo USA LLC. All Rights Reserved. The Veseris mark, logo, and other identified trademarks are the property of ES OpCo USA LLC or its affiliates.

<table>
<thead>
<tr>
<th>Session B: Plenary II</th>
<th>9:45 am to 10:30 am</th>
</tr>
</thead>
<tbody>
<tr>
<td>Louisiana Arboviral Summary and Mosquito Control Response Survey, 2021</td>
<td>Louisiana Office of Public Health; <a href="mailto:julius.tonzel@la.gov">julius.tonzel@la.gov</a></td>
</tr>
<tr>
<td>The impact of area-wide and localized mosquito adulticide on insecticide susceptibility in populations of <em>Culex quinquefasciatus</em> (Diptera: Culicidae) in New Orleans, Louisiana.</td>
<td>Erin Cloherty, LMCA Lamar Meek Grant Recipient; Dr. James Ottea, LSU; <a href="mailto:eclohe1@lsu.edu">eclohe1@lsu.edu</a></td>
</tr>
<tr>
<td>Assessing the impact of environmental and socioeconomic factors on mosquito ecology in New Orleans, LA - year two update.</td>
<td>Brendan Carter, LMCA Lamar Meek Grant Recipient; Angela Smith, Dr. Sarah Michaels, Dr. Dawn Wesson, Tulane University; <a href="mailto:bcarte5@tulane.edu">bcarte5@tulane.edu</a></td>
</tr>
<tr>
<td>2021 Louisiana Mosquito Research Recap</td>
<td>Dr. Claudia Riegel, New Orleans MTRCB; <a href="mailto:criegel@nola.gov">criegel@nola.gov</a></td>
</tr>
<tr>
<td>Coffee Break</td>
<td>Coffee Break</td>
</tr>
</tbody>
</table>

Erin Cloherty Duverney moved to New Orleans, Louisiana in 2009 from New York to attend Tulane University, School of Public Health & Tropical Medicine, where she graduated with a Master of Science in Public Health & Tropical Medicine. Erin continued to work for Tulane University, SPH&TM in the Epidemiology and Tropical Medicine Departments. In 2015, she began her employment with the New Orleans Mosquito, Termite & Rodent Control Board, working on product testing and barrier treatments for mosquito control. In 2019, Erin commenced her doctoral studies in Entomology at Louisiana State University under the advisership of Dr. Kristen Healy and Dr. James Ottea. Erin's current research focuses on insecticide resistance of *Culex quinquefasciatus* mosquitoes in New Orleans, LA. Her aim is to better understand how resistance occurs on a local scale, specifically at the backyard level and neighborhood level across an urban landscape. Erin also holds a Bachelor of Arts from the American University of Paris, France in European Cultural Studies.

Brendan Carter is a doctoral student in Dr. Dawn Wesson's laboratory in the Department of Tropical Medicine at the Tulane University School of Public Health & Tropical Medicine (SPHTM) in New Orleans, Louisiana. He earned dual bachelor degrees in Cell & Molecular Biology and Public Health, as well as a master's degree in Tropical Medicine from Tulane. Brendan then served as a pest control specialist for the New Orleans Mosquito, Termite & Rodent Control Board from 2014-2017 where he focused on arboviral surveillance, operational research, and GIS. Brendan's research at Tulane incorporates urban mosquito ecology, vector competency, and novel methods of mosquito control and arthropod feeding. He also serves as the laboratory supervisor for the Department of Tropical Medicine and the ACL3/BSL3 Core Laboratory at Tulane University.
Veseris means greater impact for you and your community. As demand for mosquito control services grows, pest management professionals are turning to Veseris to expand their offerings and drive business forward. Along with mosquito control essentials and customer favorites like MasterLine Kontrol, we deliver the insight, services, and support you need — where and when you need them. Reach out to our experts for local advice and nationwide distribution. Veseris is ready to help you get started.

© 2020 ES OpCo USA LLC. All Rights Reserved. The Veseris mark, logo, and other identified trademarks are the property of ES OpCo USA LLC or its affiliates.

Larvicides  |  Adulticides  |  Foggers  |  Barrier Treatment Products  |  And More

Learn how Veseris can positively impact your community. Visit PestWeb.com/markets/public-health or call 800-609-9414 to speak to a rep today.

Dr. Mark Breidenbaugh is the current President of the American Mosquito Control Association (AMCA). As of August 2021, he is the Director of the Northwest Mosquito and Vector Control District in Corona, CA. A career Research Entomologist with the United States Airforce Aerial Spray Unit, Dr. Breidenbaugh remains a reservist with the Air Force. During his work with the Air Force, you may have seen him flying low overhead in a C-130 in hurricanes such as Floyd (1999), Katrina (2005), Rita (2005), Gustav (2008), Ike (2008), and Harvey (2017). Mark received a Bachelor of Science in Botany from Cal Poly Pomona and a Master of Science in Entomology from the University of California, Riverside. In 2008, Mark was promoted to Dr. Mark obtaining a Ph.D. in Aquatic Ecology from Kent State University.

10:55 – 11:10 am - Drones and how they fit in mosquito control
David Herter, Target-Specialty; david.herter@target-specialty.com

11:10 – 11:25 am - “Lag of the Art” – Historical challenges for US adulticide space sprays and the future of development. Jason Clark, Valent BioSciences; jason.clark@valentbiosciences.com

11:25 – 11:40 am - Copepod use for integrated mosquito management in waste tires
Dr. Jennifer Breaux, Alex Pavlakis, Andra McClue, Dr. Claudia Riegel, NOMTRCB; jabreaux@nola.gov

11:55 – 12:10 pm - LMCA Board of Directors Nominee Video Introductions

12:10 – 12:50 pm - Lunch on your own
Veseris means greater impact for you and your community. As demand for mosquito control services grows, pest management professionals are turning to Veseris to expand their offerings and drive business forward. Along with mosquito control essentials and customer favorites like MasterLine Kontrol, we deliver the insight, services, and support you need — where and when you need them. Reach out to our experts for local advice and nationwide distribution. Veseris is ready to help you get started.

© 2020 ES OpCo USA LLC. All Rights Reserved. The Veseris mark, logo, and other identified trademarks are the property of ES OpCo USA LLC or its affiliates.

Larvicides | Adulticides | Foggers | Barrier Treatment Products | And More

Learn how Veseris can positively impact your community. Visit PestWeb.com/markets/public-health or call 800-609-9414 to speak to a rep today.

Adulticide options with no synergist
MERUS®
ZENIVEX

Aerial adulticides that are equipment and applicator-friendly
DUET® HD

OMRI Listed formulations for organic crops and gardens and sustainably-driven communities
NATURAL® larvicides
MERUS® adulticide

For 75 years, Clarke has been providing mosquito control products, equipment and services that improve quality of life and prevent the spread of vector-borne diseases.

Biorational larvicides, with rotational options for every habitat
NATURAL®
FOURSTAR
ALTOSID
DUPLEX

WHERE PUBLIC HEALTH MEETS PUBLIC PREFERENCE

Next-generation technologies for population and disease monitoring
BIOGENTS SURVEILLANCE EQUIPMENT

SPONSORED BY: VESERIS

Session D: Vendor Introductions 12:50 pm to 1:20 pm
12:50 pm - 1:20 pm - Seth Egan (Co-Diagnostics) - s.egan@codiagnostics.com
Liz Sarson (Leading Edge) - lsarson@leateam.com
Jeff North (ADAPCO) - jnorth@myadapco.com
Derek Wright (AMGUARD Environmental) - derekw@amvac.com
Keith Haas (Verseris) - keith.haas@verseris.com
Kurk Vandock (Bayer) - jami.vandock@gmail.com
Sean Healy (Clarke) - shealy@clarke.com
David Herter (Target Specialty Products) - david.herter@target-specialty.com
Candace Royals (Valent BioSciences) - candace.royals@valent.com
Chris Keefer (Syngenta) - chris.keefer@syngenta.com
Donnie Powers (FMC) - donald.powers@fmc.com
Regina Farmer (ChemMan) - regina.farmer@chem-man.com

Moderator: Herff Jones
Iberia Parish MAD

Session E: Education & Outreach 1:20 pm to 2:25 pm
Moderator: Colby Colona
Tangiphoa MAD

SPONSORED BY: VESERIS

1:25 – 1:40 pm How COVID19 and other Circumstances Have Changed NOMTRCB’s Community Outreach-Year 2
Astacia Carter, New Orleans MTRCB; astacia.carter@nola.gov

1:40 – 1:55 pm Malaria in the Area, the Importance of Surveillance
Emma Ortega, Julius Tonzel, Louisiana Office of Public Health; emma.ortega@la.gov

1:55 – 2:10 pm Mosquito Education in the Age of YouTube Shorts
Reneé Pellerin, T. Daniel McNamara, LMCA Education Committee; rpellerin@iberiagov.net

2:10 – 2:25 pm The challenges of photographing pests for special projects with the National Pest Management Association - Ed Freytag, Jack Leonard, New Orleans MTRCB; edfreytag@nola.gov

2:25 – 2:40 pm Coffee Break
Veseris means greater impact for you and your community.

As demand for mosquito control services grows, pest management professionals are turning to Veseris to expand their offerings and drive business forward.

Along with mosquito control essentials and customer favorites like MasterLine Kontrol, we deliver the insight, services, and support you need — where and when you need them.

Reach out to our experts for local advice and nationwide distribution. Veseris is ready to help you get started.

Learn how Veseris can positively impact your community. Visit PestWeb.com/markets/public-health or call 800-609-9414 to speak to a rep today.
Veseris means greater impact for you and your community. As demand for mosquito control services grows, pest management professionals are turning to Veseris to expand their offerings and drive business forward. Along with mosquito control essentials and customer favorites like MasterLine Kontrol, we deliver the insight, services, and support you need — where and when you need them. Reach out to our experts for local advice and nationwide distribution. Veseris is ready to help you get started.

© 2020 ES OpCo USA LLC. All Rights Reserved. The Veseris mark, logo, and other identified trademarks are the property of ES OpCo USA LLC or its affiliates.

Larvicides | Adulticides | Foggers | Barrier Treatment Products | And More

Learn how Veseris can positively impact your community. Visit PestWeb.com/markets/public-health or call 800-609-9414 to speak to a rep today.

WHERE PUBLIC HEALTH MEETS PUBLIC PREFERENCE

For 75 years, Clarke has been providing mosquito control products, equipment and services that improve quality of life and prevent the spread of vector-borne diseases.

Clarke 2021 LMCA Spread Ad-FINAL.indd   1
10/10/21   9:48 PM
Session G: District/Program Updates
8:00 am - 9:00 am

Moderator: Jean Paul Bourg
St. Mary Parish Mosquito Control Department

SPONSORED BY: VALENT BIOSCIENCES

8:00 – 8:05 am - OPMAD Happenings 2021
Shannon Rider, Ouachita Parish MAD; srider@oppj.org

8:05 – 8:10 am - St. Tammany Parish Mosquito Abatement Update
Dr. Kevin Caillouet, St. Tammany; kcaillouet@stpmad.org

8:10 – 8:15 am - New Orleans Mosquito, Termite, and Rodent Control Board
Dr. Claudia Riegel, New Orleans MTRCB; criegel@nola.gov

8:15 – 8:20 am - Iberia Parish Mosquito Abatement Update
Herff Jones, Iberia Parish MAD; hjones@iberiagov.net

8:15 – 8:20 am - Cameron Parish District Update
Josh Hightower, Cameron MC; jhightowercpmc@gmail.com

8:15 – 8:20 am - WBR Mosquito Control: 2021 year-end review
Michael Joseph, WBRMC; michael.joseph@wbrcouncil.org

8:20 – 8:25 am - Tangipahoa Mosquito Abatement District Update 2021
Colby Colona, Tangipahoa MAD; colby@tangimosquito.org

8:25 – 8:30 am - EBR Parish Mosquito Abatement and Rodent Control
Dr. Michael Becker, EBRMARC; mbecker@brla.gov

8:30 – 8:35 am - Calcasieu Parish
Scott Harrington, CPMRC; sharrington@calcasieuparish.gov

8:35 – 8:40 am - Tulane University Department of Tropical Medicine
Dr. Ronald Blanton, Tulane University; rblanton1@tulane.edu

8:40 – 8:45 am - LSU
Dr. Kristen Healy, LSU; khealy@lsu.edu

9:00 – 9:15 am - Coffee Break

Co-Dx box and PCR program.
Elevate your lab to the highest standard for diagnostics.

Through innovation and affordability, we bring high-quality molecular diagnostics for infectious disease to areas of the world that need them most.

codiagnostics.com
A web-based geospatial data management system designed and engineered specifically for the vector control industry

Our Master Management tool allows an administrator to sit in the driver’s seat - with controls to fine-tune the system based on unique needs. MapVision integrates with VectorSurv and provides powerful reporting/analytical tools. Ask our team about our new iOS Field App and ULV Flow Control App that integrate with MapVision.

Three unique DropVision systems provide for the efficient and immediate data analysis of ground or aerial droplet spectrum

We’ve completely streamlined the manual droplet reading process for equipment calibration, characterization, and field efficacy work. Robust reports and graphs are automatically generated, providing solid documentation that validates ULV and LV spray systems are in compliance with federal labels.

Leading the way in aerial applications via unmanned aircraft

Today, we design, engineer, manufacture, and support our PrecisionVision Unmanned Aircraft Systems (UAS) in the United States. We support our customers from the moment they explore unmanned aircraft for their operation, through FAA requirements, on-site training, integration, and beyond. We also offer consultations and contract services for aerial applications via UAS.

INVESTIGATE THE POSSIBILITIES

Bill Reynolds
President & CEO
407.468.0008
breynolds@leateam.com

Mike Reynolds
VP & COO
828.246.2111
mreynolds@leateam.com

Piper Kimball
Vector Biologist
707.484.6937
piper@leateam.com
Session H:
Insecticide Resistance/Evaluations
9:15 am - 10:15 am

Moderator: Jennifer Bushnell
St. Tammany MAD

SPONSORED BY: LEADING EDGE ASSOCIATE

9:20 – 9:35 pm  -  Methods for Detecting insecticide Resistance
Dr. Jim Ottea, LSU Entomology; jottea@lsu.edu

9:35 – 9:50 pm  -  From the Lab to the Field: Making Data-driven Decisions in Mosquito Control
Dr. Carrie Cottone, Dr. Mark Janowiecki, New Orleans MTRCB; cbcottone@nola.gov

10:05 – 10:20 pm - Dissecting mosquito ovaries to evaluate adulticide treatments: Did we hit the mark in 2021?
Marisol Mosqueda, Shannon O’Meara, St. Tammany MAD; mmosqueda@stpmad.org

9:50 – 10:05 pm -  Resistance surveillance in Aedes aegypti using bottle bioassays and molecular KDR screening
Dr. Mark Janowiecki, New Orleans MTRCB; mark.janowiecki@nola.gov

10:20 – 10:30 pm - Coffee Break
Session I: Surveillance
10:30 am to 11:45 am

10:35 – 10:50 am   Implementing a Breeding Site Surveillance Program in New Orleans
Alexandros Pavlakis & Andra L. McClue, New Orleans MTRCB; alexandros.pavlakis@gmail.com

10:50 – 11:05 am   From dry ice to CO2 bottles: changing trap methods at Tangipahoa MAD
Colby Colona, Tangipahoa MAD; colby@tangimosquito.org

11:35 – 12:30 pm   LUNCH ON YOUR OWN!

10:35 – 10:50 am   Environmental and socio-economic drivers of mosquito vectors in Baton Rouge and New Orleans
Dr. Rebeca de Jesús Crespo, LSU; rdejesuscresp1@lsu.edu

10:50 – 11:05 am   Activity Patterns of Iberia Parish Mosquito Species as Revealed by BG-Counters
David Martin, Iberia Parish MAD; dmartin@iberiagov.net

11:05 – 11:20 am   Environmental and socio-economic drivers of mosquito vectors in Baton Rouge and New Orleans
Dr. Rebeca de Jesús Crespo, LSU; rdejesuscresp1@lsu.edu

11:20 – 11:35 am   Activity Patterns of Iberia Parish Mosquito Species as Revealed by BG-Counters
David Martin, Iberia Parish MAD; dmartin@iberiagov.net

11:35 – 12:30 pm   LUNCH ON YOUR OWN!
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:35 – 12:50 pm</td>
<td>New Technique for Handling Live Mosquitoes for Cage Tests</td>
<td>Dennis Wallette, Colby Colona, Tangipahoa MAD; <a href="mailto:dennis@tangimosquito.org">dennis@tangimosquito.org</a></td>
</tr>
<tr>
<td>12:50 – 1:05 pm</td>
<td>Polymerase chain reaction (PCR) Mosquito Testing in South America, the Caribbean and the United States.</td>
<td>Seth Egan, Co-Diagnostics; <a href="mailto:s.egan@codiagnostics.com">s.egan@codiagnostics.com</a></td>
</tr>
<tr>
<td>1:05 – 1:20 pm</td>
<td>Western Gulf Coast Center of Excellence for Vector Borne Diseases Update</td>
<td>Dr. Sonja Swiger, Dr. Scott Weaver, Texas A&amp;M AgriLife; <a href="mailto:slswiger@ag.tamu.edu">slswiger@ag.tamu.edu</a></td>
</tr>
<tr>
<td>1:20 – 1:35 pm</td>
<td>Mosquito Beacons: Pulling together expertise across the Southern Region USA</td>
<td>Dr. Bryan Giordano, University of Florida; <a href="mailto:b.giordano@ufl.edu">b.giordano@ufl.edu</a></td>
</tr>
<tr>
<td>1:35 – 1:50 pm</td>
<td>Headed in the right direction: creating voiced spray route directions using the OsmAnd app.</td>
<td>George Bragg, WBR Mosquito Control; <a href="mailto:george.bragg@wbrcouncil.org">george.bragg@wbrcouncil.org</a></td>
</tr>
<tr>
<td>1:50 – 2:05 pm</td>
<td>Coffee Break</td>
<td></td>
</tr>
</tbody>
</table>
Stephen C. Mayor Operational Award

Stephen Mayor was the president of the LMCA in 1996 and he also served as the Director of Mosquito Control in Jeff Davis Parish. The operational achievement award was created in memory of Mayor who died in a plane crash returning from a spray flight near Jennings, LA.

This award is for the best operational paper presented at the LMCA Annual Meeting. The award is made to residents of the State of Louisiana and employed by a mosquito control operation in Louisiana. The award consists of a cash award of $500 and a plaque engraved with name and topic of achievement. Presentations in this session are being considered for the Stephen T. Mayor Operational Achievement Award.
Jean Paul Bourg is the Director of Public Works for St. Mary Parish Government. He started the St. Mary Parish Mosquito Control Department in 2018 using ELC Supplemental Vector Control Grant money. With a lot of help from Medical Entomologist Kyle Moppert with the LDH, Jean Paul was able to secure $250,000 in grant funds. This allowed St. Mary Parish to start its own in-house mosquito control. Before working for St. Mary Parish Government, Jean Paul worked for the City of Morgan City in St. Mary Parish.

While working for the City of Morgan City, Jean Paul helped establish an in-house mosquito control program under the direction of consultant Matthew Yates. While working under the supervision of Matt Yates, Jean Paul earned his 8-D license allowing him to take over and operate the Morgan City mosquito control program. Jean Paul and his wife are life long residents of St. Mary Parish where they are raising three children Sophia (12), Olivia (10), and Jean-Luc (8). Most of his spare time is spent assisting his wife in running her small business and keeping his children entertained.

Jennifer Bushnell is the Public Information and Outreach Coordinator for St. Tammany Parish Mosquito Abatement (STPMAD) and currently serves on the AMCA Public Relations Committee as the South-Central Region Representative. She has more than seventeen years’ experience in marketing, public relations, government administration, graphic design, social media development, and event planning. In her current position, she works to educate residents on the public health threat posed by mosquitoes and how the agency works to minimize that threat throughout the year.

During her time with STPMAD, she has worked to develop a cohesive brand and create a seamless look for all collateral materials used in the agency’s marketing strategy. Prior to her position with STPMAD, Jennifer worked for St. Tammany Parish Government as Public Information Officer and Coordinator for the Commission on Cultural Affairs, where she currently serves on the agency’s board. In addition to her media and communications responsibilities, she also worked to cultivate and enhance the arts community by developing programs to foster growth and create opportunities for both arts organizations & individual artists.
Dr. Carrie Cottone has been employed by the City of New Orleans Mosquito Termite and Rodent Control Board for the past 16 years. Her career with the city began just two months before Hurricane Katrina hit, and to her coworker’s surprise, she decided to stay. Carrie spearheaded the efforts to create a working insect genetics lab for New Orleans Mosquito Control, as well as efforts to begin using molecular methods to screen *Aedes aegypti* mosquitoes for insecticide resistance. She received her PhD in Entomology in 2011 as a distance education student at the University of Florida. Carrie is currently the Assistant Director at New Orleans Mosquito Control. Her responsibilities include holding a supervisory role, assisting with budget, acting as liaison for collaborators, drafting protocols and executing research to test new products, grant writing, and initiating contracts. Her hope is that, if elected, she can help create a means to improve communication among all Louisiana parishes regarding mosquito control programs.

Colby Colona graduated in 2006 with a Bachelor of Science degree in Biology and in 2008 with a master’s degree in Evolutionary Biology, both from Southeastern Louisiana University.

She joined the Tangipahoa Mosquito Abatement District #1 as the entomologist in March 2008 and became Assistant Director in 2018. She has been a member of the Louisiana Mosquito Control Association and American Mosquito Control Association since 2008 and has been an LMCA board member since 2012. She has served as Vice President in both 2014 and 2021, and President in 2015. She currently serves on the insecticide resistance and spring workshop committees and was a co-editor for the newest addition of the Louisiana Mosquito Control Training Manual.

The last few years have brought many challenges to our membership and it has meant a great deal that the association has helped each other through these obstacles. She hopes to continue to foster this camaraderie experienced on our board and in the membership and is excited to help plan for the annual in-person meeting next year!

Heath Deese is a lifelong resident of Jennings, LA. He joined the Jefferson Davis Parish Mosquito Abatement District #1 as shop technician in August 1999. The District wanted to increase surveillance, so he was quickly moved to the inspector/field division. Monitoring for arbovirus activity in the district became priority with mosquito pools, sentinel chickens, and wild bird blood samples. Heath did education outreach with 5th graders throughout the Jeff Davis Parish. Many civic organizations also took advantage of this education with Heath.

He became Assistant Director at the beginning of 2017. He oversees surveillance in both ground and aerial spraying operations as well as supervises district operations in the absence of the Director. He has been a member of the Louisiana Mosquito Control Association (LMCA) since 2000 and is 8A and 8D certified. He was elected to the LMCA Education committee 2018. He has presented in the past at the LMCA annual meetings on operations, field trails, and improvement to equipment. Heath states: “I am always looking for ways to improve.”
Dr. Kristen Healy
Candidate for the Academic Position

Dr. Healy is an Assistant Professor at Louisiana State University working in the area of medical entomology. Much of her position involves extension, teaching, and research, especially in areas relevant to applied mosquito control research needs. It has been her pleasure to sit on the board for the past 3 years and she served as vice president and is currently serving as the president of the Louisiana Mosquito Control Association. She is originally from New England and obtained her degrees from Rhode Island (BS, and MS) and New Jersey (Ph.D.). She feels the issues faced in mosquito control are universal around the country. She enjoyed learning about the needs and issues facing those in mosquito control in Louisiana, and has helped find ways to address these concerns. If elected to the board, she will continue to help move this organization forward.

Public Health Entomologist Kyle Moppert holds a BS / MS in Entomology from Louisiana State University. He serves as an LMCA Board member and has oversight and regulatory authority over certain aspects of mosquito control, rodent control and the control of domestic flies and other arthropods of public health importance. Kyle chairs the Louisiana Arboviral Committee, which coordinates all entities within the State working with arboviruses and sets sampling standards for all mosquito abatement within Louisiana. He coordinates vector control grants and works with state agencies, universities and associations to promote education of parish and local public mosquito abatement program personnel. Kyle also coordinates emergency disaster relief mosquito abatement activities with the Centers for Disease Control, Department of Defense, FEMA, and other state and federal emergency response agencies. He also reviews and approves community abatement plans.

Kyle Moppert
Candidate for the Public Health Position

All registered participants will receive an email after the conclusion of the Business Meeting with a link to vote. Voters will be able to select four from the list of seven running for the board. The LMCA bylaws found on the website explain the composition of the board.

www.lmca.us
Protect the moment

Long-lasting barrier protection keeps mosquitoes away longer as the proprietary polymer layer preserves the active ingredient for up to 90 days. Keep your promise to customers by reducing the risk of vector-borne diseases so they can enjoy life’s best moments without worry.