



SOVE Newsletter

President's Message



president Roy Eastwood (1969) also had a second term in office in 1976.

Besides the presidents, there have been other officers such as presidents-elect, past presidents, secretary-treasurers/executive director, and regional directors, who served on the SOVE Board of Directors. Naming all those individuals will be difficult due to space limitations here. During its 50 years, SOVE recognized its members for distinguished service and distinguished professional achievements. Members who were recognized with the SOVE Distinguished Service Award are listed in List 2. Those who received the SOVE Achievement Award are named in List 3. There is also a new award category dubbed the SOVE Life-time Achievement Award and so far only two individuals, namely Mir Mulla and Dan Strickman have received this award, which they so deserved, considering their overwhelming contributions to the Society through the years. The Life-time Service Award was given to Major Dhillon, followed by Norbert Becker for his dedicated service to the SOVE.

Dear Colleagues,

I hope you are all doing well! Now that the summer has already set in many parts of the globe, most of you will be busy in controlling those nasty vectors of disease and discomfort. Over here at the SOVE Headquarters, our fearless executive director, Major Dhillon, and his hardworking staff—Bill Van Dyke and Valerie Montigny are all busy in preparing for the annual meeting at Yosemite Park this October. Also, those of you who are still contemplating about your poster presentations, the deadline is August 2. Other than that, we will be looking forward to an exciting conference program put together by vice president, Lyle Peterson. With no new announcements to make, next I will continue with the SOVE History from where I left it in the last newsletter.

Looking back at the 50 years of SOVE, many changes, events, and personalities took turns in time to keep SOVE alive and well, financially and otherwise. To begin with, there were 50 presidents who carried the Society with time commitment, dedication and great leadership. The SOVE presidents are chronologically named in List 1. The first

Apart from the most visible offices like president, executive director, or regional director, there are some invisible devotees who just served the SOVE

———**President's message** *continued on p. 2.*

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President’s Message *continued from p.2*

include Bulletin/Journal editors (John Shnafelt, Minoo Madon, Major Dhillon, James Webb, Lal Mian, 1992-present-Marc Klowden), newsletter editors (John Shanfelt, Minoo Madon, Roger Nasci, Nancy Hinkle, Mir Mulla, 2012-present-Lal Mian).

During its 50 years, SOVE has held 45 annual meetings and 7 International Congresses, starting in 1993. The Society originally started with a handful of professional biologists/ecologists in California and over time that number grew across the US and beyond. The SOVE’s first overseas affiliate started in 1999 in Europe, now called European SOVE, followed by Asian SOVE in 2010, Brazilian/Latin American SOVE in 2015, and more recently the Indian SOVE (still in infancy, but coming along) in 2017.

Finally, the Society while growing over the years had some ups and downs but has since stabilized and enjoys an excellent financial health (Credit Major Dhillon!).

In closing I encourage you all to join me at the 50th Anniversary Meeting in Yosemite Park this October,

Cheers,
Lal Mian

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List 1. Chronological list of SOVE Presidents

1969-Roy Eastwood, 1970-Harvy Magy, 1971-Howard Greenfield, 1972-William Wardon, 1973-Marvin Kramer, 1974-Earl Mortenson, 1975-Roy Eastwood, 1976-Calvin Rogers, 1977-Richard Husbands, 1978-Gilbert Challet, 1979-Martin Christiansen, 1980-Charles Hansen, 1981-Charles Meyer, 1982-Russell Fontaine, 1983-Mir Mulla, 1984-Jay Graham, 1985-Robert Tonn, 1986-Becky Brown-Westerdahl, 1987-Cluff Hopla, 1988-Minoo Madon, 1989-Chester Moore, 1990-Glen Collett, 1991-James Webb, 1992-William Reisen, 1993-Norbert Becker, 1994-Susan Palchick, 1995-Bruce Eldridge, 1996-Fred Beams, 1997-Michael Service, 1998-Rex Thomas, 1989-David Dame, 2000-John Edman, 2001-Marc Klowden, 2002-Robert Lane, 2003-Andrew Spielman, 2004-Thomas Scott, 2005-Uriel Kitron, 2006-Jonathan Day, 2007-Robert Novak, 2008-Ben Beard, 2009-Nancy Hinkle, 2010-Nolan Newton, 2011-Greg Lanzaro. 2012-Ken Linthicum, 2013-William Walton, 2014-Doug Norris,

2015-Bulent Alten, 2016-Dan Kline, 2017-Michael Kaufman, 2018-Lal Mian.

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List 2. SOVE-Distinguished Service Award Recipients

1985-Russell Fontaine; 1986-Gilbert Challet; 1987-James Webb; 1991-Justine Keller; 1992-H.B. Munns; 1993-Fred Beams; 1996-Minoo Madon; 1997-Norbert Becker; 1998-Christine Dahl; 1999-David Dame; 2000-Marc Klowden; 2001-Romeo Bellini; 2002-Major Dhillon; 2003-Nancy Hinkle; 2004-Cluff Hopla; 2005-Carlos Aranda; 2006-Lory Beehler, William Reisen; 2007-Steve Juliano; 2008-Lal Mian; 2009-Bulent Alten, Kate Aultman, Selim Cagler, Paul Schadler, Marija Zgomba; 2010-Dennis Candito; 2011-Ben Beard; 2012- Rui-de Xue; 2013-Gregory Lanzaro, Robert Novak; 2014-Min-Lee Cheng; 2015-Eva Veronesi; 2016-Tong-yan Zhao; 2017-Miguel Miranda, William Walton.

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List 3. SOVE-Distinguished Achievement Award Recipients

1988-William Reeves; 1989-Richard Peters; 1991-Bruce Francy; 1992-Ralph Barr, Telfor Work; 1993-Michael Service; 1994-Cluff Hopla; 1995-George Craig; 1996-Robert Washino; 1997-Paul Reiter; 1998-Bruce Eldridge; 1999-Jean Mouchet; 2000-William Burgdorfer; 2001-William Reisen, William Takken; 2002-Hans Briegle; 2003-Wayne Crans; 2004-George O’Meara; 2005-Andrew Spielman; 2006-Mir Mulla; 2007-Raymond Rykman; 2008-Chester Moore; 2009-Nurdan Ozer, Richard Russell; 2010-Charles Apperson; 2011-Phil Lounibos; 2012-Joseph Schlein; 2013-John Edman, Francis Schafner, Marija Zgomba; 2014-Graham White; Woodbridge Foster; 2016-Ken Linthicum; 2017-Gregory Lanzaro, Vincent Robert .



Regional Reports



NORTH CENTRAL USA

Nicole Achee, regional director

the report, visit: <https://www.cdc.gov/vitalsigns/vector-borne/index.html> Vital Signs press release from CDC?

The good news is that all of us can participate as an active partner in preventing infections by developing innovative summer programs amongst universities, state and local government agencies and schools in our area to raise awareness of how best to enjoy the great outdoors while protecting against these diseases. Please share your experiences for posting in the upcoming fall newsletter!

Dear Colleagues and Friends of the North Central Region,

The season for arthropod-borne diseases is fast upon us! The time is right for getting our annual plants into the garden, family picnics, hunting, fishing and long hikes or camping in our regional State Parks...and being exposed to mosquitoes and ticks.

The Centers for Disease Control’s *CDC Vital Signs* monthly report for May 2018 covered the topic ‘**Illnesses on the Rise**’ detailing trends in reported mosquito and tick-borne diseases from 2004-2016 with our region representing the 3rd-top 20% reporting states for tick-borne disease cases throughout the U.S. and territories (see graphic from CDC below).

Enjoy other highlights of recent news and opportunities from our regional family below. Have a great summer and see you in California to celebrate SOVE’s 50th Anniversary!

Below is a report from Lyric Bartholomay)

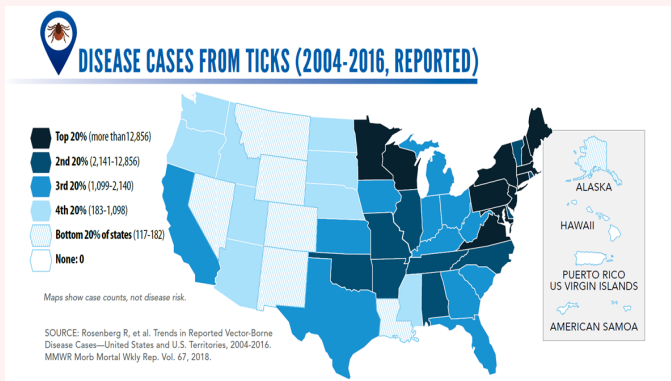
We are happy to announce that we’ve just released a *Tick App* that is a collaborative effort between the Midwest and Northeast Center. The goal of the app is to collect information about specific activities that people engage in when they’re coming in contact with ticks. The poster and the advertisement verbiage used to recruit people are below. Note, the app is in development, thus please share your feedback and expect improvements over the summer!

For more information, please see <http://www.mcevbd.wisc.edu> or contact Robin Mittenthal, mittenthal@wisc.edu.

What is it about? In two words, Lyme disease. The Tick app is a smart-phone application on which you can report -a-tick and through which you can track your tick exposure and daily activities. It also contains a lot of information about ticks: preventions, removal and identification. The goal is to develop better strategies to prevent tick bites and tick-borne diseases.

How can I get the app? You can download on [Google play](#) and [iTunes](#). If you don’t have a smartphone, or would like to participate on your desktop, you can fill out the same questionnaires by signing up on our website www.thetickapp.org/signup.

—Achee continued on p. 6



For more information, and to access all graphics and educational material to include the video associated with

Regional Reports



SOUTHEASTERN REGION

Rui-De Xue, regional director

Florida Departments of Health and Agriculture together officially urge mosquito-borne illness awareness on May 22, 2018 due to the increase of eastern equine encephalitis (EEE) activity and mosquito bites in several counties across the state. Although no human cases are reported, there have been several horses and emus as well as mosquitoes tested positive for EEE. The Departments provided recommendations for prevention and protection. Due to the recent rain fall, mosquito populations have increased with outbreaks in several northeastern counties. There have been travel-related mosquito-borne diseases including one case of chikungunya, 3 cases of dengue fever, and 42 cases of Zika with 29 pregnant women infected with Zika, and 21 cases of malaria.

Anastasia Mosquito Control District (AMCD) collaborated with the USDA Center for Medical Agricultural and Veterinary Entomology to release SIT *Aedes aegypti*, signed contract with MosquitoMate to release Wolbachia-infected *Ae. aegypti*, and contract with SpringStar to mass deploy AGO traps in St. Augustine to control Zika-infected mosquitoes. The AMCD recruited 5 student interns and 3 visiting scientists to assist in the projects. The 15th Annual Arbovirus Surveillance and Mosquito Control Workshop in conjunction with the NE 1443 regional project 4th meeting and the Florida Mosquito Control Association—Northeastern Regional Meeting held March 20-22, 2018 in St. Augustine, FL, was a success, receiving 185 registrants from 8 different countries. The AMCD also hosted a one-day operational training for 12 staff from the Centers for Disease Control and Prevention on May 17, 2018. Rui-De Xue was invited to attend the Asian Vector Control Meeting in Beijing funded by IVCC, Gates Foundation, and China Center for Disease Control, March 26-29, 2018. Rui-De Xue was also invited to visit the city of Jeddah for consulting on dengue fever vector control from April 21-27, 2018.

(www.flaentsoc.org) will be held at World Golf Village, St. Augustine, FL, July 22-25, 2018. The program includes a symposia on the biology and control of human and animal disease vectors, urban pests, invaded insects, and industry.

In other news, Adriane Rogers, former administrator at mosquito control section has been promoted to Chief, Bureau of Scientific Evaluation and Technical Assistance, Division of Agricultural Environmental Services, Florida Department of Agriculture and Consumer Services, Tallahassee, Florida. Congratulations for Adriane.





Students Page

Casey Parker

University of Florida

Last year, a handful of students (8) across the United States received a unique opportunity to speak at the 7th International Congress of the Society for Vector Ecology held in Palma de Mallorca, Spain. Every year, SOVE ensures that the research and faces of the student membership are known by hosting a student symposium which is organized by one or two students. If invited to speak in the student symposium, students are provided with a year’s membership to the Society, waived registration fees for the meeting, half of their hotel accommodations, and an additional scholarship to assist in paying for flights, meals, or other travel-related expense. Not only were these 8 students given the opportunity to showcase themselves and their projects, it also provided some with an opportunity to organize a symposium for an international conference! This experience helps students to network and build professional skills necessary for succeeding in their future endeavors.

For the International Congress, student speakers were provided a very generous scholarship of \$1,200 to attend the meeting and speak in the student symposium, organized by Casey Parker and Bethany McGregor. The invited student speakers were Ethan Degner, Caleb Hubbard, Bethany McGregor, Edmund Norris, Casey Parker, Steven Peper, Talya Shragai, Meredith Spence-Beaulieu, and Levi Zahn. This group of graduate students represented universities from across the United States and the research topics were particularly diverse. From the effect of trap height on collecting *Culicoides* to changes in sperm motility to the impacts of suburban development on mosquito assemblages, these exceptional graduate students showcased their interesting and impactful research findings..

Each of these students was also very appreciative of the opportunity to attend the Congress, visit another country, and present their research to a particularly diverse group of international attendees. Here are quotes

from some of the student speakers about their experience: “SOVE in Mallorca was an excellent experience--great for networking and making professional and academic friends.” “I will definitely come back.” “Thanks to SOVE and Bill & Melinda Gates Foundation for the opportunity to come,” said Ethan Degner, Cornell University.

“The SOVE meeting in Palma, Mallorca was wonderful. I was extremely grateful to present my research in front of so many well-known researchers. Moreover, I was able to meet a lot of researchers that I hadn’t had the opportunity to interact with previously. The international setting made for an exceptional way to see research performed in other countries and discuss collaborations and work with foreign researchers. The SOVE family is so accepting, and everyone was so excited about and genuinely interested in the student presentations. I am so happy to be part of the SOVE family. I would like to sincerely thank everyone who facilitated the student symposium, as it was truly a remarkable experience,” said Edmund Norris, Iowa State University.

“I loved attending this year’s SOVE. The SOVE family is so welcoming and supportive of student members that it has become my favorite conference to attend! It was a great experience to present my research and to network with other members of the Society,” said Steve Peper, Texas Tech University.

“The 7th International SOVE conference in Palma de Mallorca was my first interaction with SOVE, and what a great introduction it was! It was such an amazing experience to be surrounded by students, faculty, and professionals from around the world that are all dedicated to vectors and vector-borne diseases. The opportunity to learn from and network with so many researchers in this field of study was an invaluable resource for me,” expressed Meredith Spence-Beaulieu, North Carolina State University.

“My time at the 7th SOVE International Congress can be summed up in one word: incredible. The quality of the

—————Parker cont’d on p. 6

Achee continued from p.3

THE TICK APP

What is it about? Lyme disease! And other things related to ticks: how to identify them, how to report them and, most importantly for the research team, it asks about your whereabouts and tick encounters.

This is research? Yes, and it also reminds you to check for ticks and take precautions to not get bitten!

What do I need to do? How can I participate?

1. Download the app (>18y old)
2. Complete the consent form and enrollment questions
3. Start filling in daily tick diaries

More information: www.thetickapp.org or tickapp@wisc.edu

What is in it for me?

1. You have a free reminder to check for ticks
2. You can report a tick at any time
3. Your shared information helps to identify risk factors for ticks encounters and this will be used to develop better prevention strategies.

Midwest Center of Excellence
VECTOR-BORNE DISEASE

We're all in this together, foster cross-society support! 2018 ACME elections! The American Committee on Medical Entomology of the American Society of Tropical Medicine and Hygiene has annual elections for 3 council officers (4 year term) and one student/postdoc council officer (1 year term). For more information and to review professional bio-sketches of candidates please contact Philip Armstrong, ACME Chair, Phil-Armstrong@ct.gov. Cast your vote by **Friday June 22nd, 2018**: <https://www.surveymonkey.com/r/GKZFDM8>

Sincerely,
Nicole

Parker continued from p. 5

talks, the opportunity for networking, the beautiful venue, and the gorgeous island of Mallorca all came together to create a memorable experience that I'll carry with me forever. I learned an incredible amount about up and coming molecular methods, insect ecology and control, new and ongoing programs to tackle some of today's biggest vector-borne disease challenges, and so much more. I was able to reconnect with researchers I'd met at previous meet-

ings and also formed many new friendships and collaborations. I received valuable feedback on my presentation and research as well as future directions and considerations for my work. SOVE does an excellent job reaching out to students and facilitating these incredible learning opportunities, and I'm deeply grateful to the Society for their generous offer of funding to help me attend the meeting," said Bethany McGregor, University of Florida.

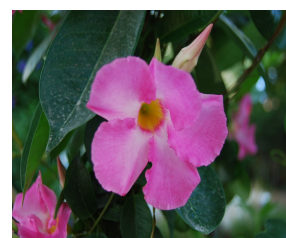
"I am very grateful for being given this opportunity to see old colleagues and to meet with many more new ones. Attending the international Society of Vector Ecologist conference this year was a wonderful opportunity for me and my fellow graduate students to network with experts in the field of vector ecology as well as with each other. It is very inspiring to see all the amazing work that is being done to try and protect both man and animal from some of the most horrific diseases we have ever seen," said Levi Zahn, University of California Riverside.

"The International Congress of the Society for Vector Ecology was an invaluable experience in which I made connections with students, professors, and people in the industry from all over the world. Not only was I able to make connections with people from all over the world, all the talks were extremely informative and I left each day thinking about new and creative research projects. I would like to thank SOVE for providing me with funding to attend this conference because without their support I would not have been able to attend this amazing conference," said Caleb Hubbard, University of California Riverside.

I think I speak for many of our SOVE members when I compliment the quality of student members within the SOVE. Thank you to all of you for speaking and for the research you do.

The student symposium for the 2018 SOVE meeting being held in Yosemite, CA will be organized by Casey Parker and it is sure to be filled with more interesting quality research from the SOVE young scientists.

Casey Parker
PhD/ MPH Student
UF/ IFAS/ FMEL



Please mark your calendar
with the forthcoming

48th Annual Conference

Society for Vector Ecology

October 8-11, 2018

Tenaya Lodge, Yosemite National Park

California



For Your Calendar

The 85th Annual Meeting of the American Mosquito Control Association will be held February 26—March 2, 2018 in Orlando, Florida.

Member News

Drs. Christopher Stone and Holly Tuten are now based at the University of Illinois Urbana-Champaign.

Chris took over as Director of the Medical Entomology lab at the Illinois Natural History Survey after Ephantus (“Juma”) Muturi departed the position. Chris has many plans in the works including vector-borne pathogen surveillance (in collaboration with the Illinois Dept. of Public Health), development of innovative control methods for mosquito vectors, and investigations into mosquito and tick behavior and ecology. His email address is cstone@illinois.edu.

More information about the lab can be found here:

<https://publish.illinois.edu/medentlab/>

Holly is a vector ecologist working in collaboration with Dr. Nohra Mateus-Pinilla, a wildlife epidemiologist at the Illinois Natural History Survey. Holly will be providing her skills and expertise to help identify ticks collected through the I-TICK program, and help the Illinois Dept. of Public Health & the INHS Medical Entomology Lab establish a tick-surveillance program. Her email address is htuten@illinois.edu.

More information on the I-TICK program can be found here:

<http://vetmed.illinois.edu/gissa/services-and-outreach/i-tick/>

Resources

FREE Resources for Investigators are available!

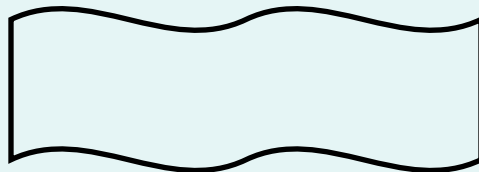
Please visit:

<http://www.niaid.nih.gov/labsandresources/resources/dmid/Pages/default.aspx> to see the full range of available services that provide access to research tools and technologies and preclinical and clinical services to facilitate product development.

Visit [Vector Biology Resources for Studying Vectors](#) for a listing of available resources. Key among the resources for studying vectors is provision of LIVE vectors and reagents and genomic materials offered through the [BEI Resources Repository](#). (See Vector Resources in the BEI [online catalog](#).) These resources are available free of charge to REGISTERED users in domestic and foreign institutions and NIH grant funding is not required. For information on all resources for researchers provided by DMID, visit the [DMID Resources for Researchers website](#).

[Adriana Costero, PhD](#)

Email: acostero@niaid.nih.gov





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We are on the Web!
www.sove.org

About SOVE

The Society for Vector Ecology is a professional organization formed in 1968 by a group of individuals involved in vector biology and control programs in California. The membership has since grown to represent an amalgamation of diverse research and operational and extension personnel from all over the world. The Society is committed to solving many complex problems encountered in the field of vector biology and control. Among these are the suppression of nuisance organisms and disease vectors through integration of control elements, such as environmental management, biological control, public education, and appropriate chemical control technology.

The Society publishes the biannual Journal of Vector Ecology that contains research and operational papers covering many phases of vector biology, ecology, and control. The Society also distributes a periodic newsletter and holds an annual conference in the months of September/October.

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