



**SOVE Newsletter**  
**President’s Message**

**SOVE Membership Survey**

Dear SOVE members:

As SOVE president, I would like to take this opportunity to update you on many changes happening at SOVE and **to enlist your help**. One very visible change is our new website, which has a more contemporary look and should be a lot easier to navigate. Check it out at [www.sove.org](http://www.sove.org). We also have a new logo above that includes the SOVE name so that we can reach a wider audience that may not be familiar with SOVE. Perhaps one of the biggest changes is that Dr. Major Dhillon has retired as SOVE Executive Director. Major was a driving force behind SOVE for more than two decades and his leadership will be sorely missed. However, Major has worked with Dr. Michelle Brown, our new Executive Director, to ensure a smooth transition, which has enabled Michelle to hit the ground running.

SOVE has also joined the newly formed Vector-Borne Disease Network (VBDN), which includes 18 scientific and medical societies, professional associations, and advocacy groups to advise and support federal policymakers in confronting the challenge of diseases spread by insects and related arthropods. Considerable progress has been made, including passage of the TICK and SMASH Acts, both of which au-

thorized additional funding for activities such as continuation of the National Vector-Borne Disease Centers of Excellence.

**Now, here is how you can help.** I would like to engage the SOVE Board to develop a forward looking plan to best meet the needs of our membership and best support the research and practice of vector ecology. But first **I need to hear from you** on several topics by your completing the SOVE member survey by **June 1, 2020**.

.....**President** *cont'd on p. 2*

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# SOVE New Executive Director Michelle Brown, Ph.D.

Dear Colleagues,

It is a tremendous honor to have been chosen to follow in the footsteps of Major Dhillon. For those that may not know me, I am the District Manager for the West Valley Mosquito and Vector Control District in Ontario, California. I have served as the South Pacific Regional Director for AMCA, fulfilling Becky Cline’s term after she retired, and I currently serve on the Journal of American Mosquito Control Association (JAMCA) editorial board and as a section editor for Arthropod Management Tests, an Entomological Society of America (ESA) journal. Before I began in vector control, I was the Vice President and Chief Scientist of the start-up company, Olfactor Laboratories, Inc., which focused on the carbon dioxide reception of vector insects to formulate novel attractants and repellents.

I have been a member of SOVE since 2011. What immediately struck me about SOVE was the wonderful blend of academic, vector control agency, and federal agency participation. With a single session program, everyone can focus on the presentations without having to jump from room-to-room, talk-to-talk, as is the case with larger events. With a diverse audience and focused conversations, this was, and is, a natural breeding ground for collaborative ideas and thoughtful discourse. Additionally, SOVE has always invested in its students to help provide travel and registration aid to be able to participate in the meetings. This investment has given students pivotal experiences in their education and curriculum vitae.

I am excited to be able to participate in the next chapters of SOVE, as we continue building our strong foundational ideals, tackle the challenges of today, and build leadership for tomorrow.

Michelle

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**SOVE Headquarters**

1295 E. Locust Street, Ontario, CA 91761, USA

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**President cont’d from p. 1**

The survey can be accessed at <https://www.surveymonkey.com/r/SOVESURVEY> and should take less than 10 minutes to complete. I know your time is valuable so I would like to **thank you in advance** for helping us make SOVE all that it can be.

I am honored to be the president of SOVE and I appreciate your support of SOVE during this difficult year.

Sincerely,  
Lyle R. Petersen, MD, MPH

## *A Special Report*



# Major Dhillon

## Executive Director *Emeritus*

rector of the SOVE.

In retrospect, I want to shed light on the time and tenure of (now) former Secretary and Treasurer and then Executive Director, Major Dhillon. I met Major back in the afternoon of September 29, 1977 in Prof. Mir Mulla's lab at the University of California at Riverside. Major was already one of the 12 graduate students of Mulla and I joined the group as a new kid on the block. Being Mulla's students we all had the opportunity to go and attend the SOVE annual meetings whether held at UCR or some place in Orange County, California. At that time, the SOVE office was administered at the Orange County Vector Control District and was last managed by District Manager, Gilbert Challet. Upon Gill's retirement, the SOVE headquarters were moved to Northwest Mosquito and Vector Control District in Corona under the new stewardship of Major Dhillon as the Secretary and Treasurer, inheriting a SOVE financially running in red. Through good management practices and prudent skills over the next 22+ years, the SOVE financially became ~0.5 million strong. Through the years, Major treated SOVE to as close as a family affair. He did NOT accept any pay for serving SOVE and rather donated money at each annual conference through his Dhillon Land Company to support student participation. And I will attest to the fact that not only Major, but the entire Dhillon family contributed one way or the other to the SOVE cause. Major's better half, Pash Dhillon, would always go with Major a couple of days early to the venue of the meeting to help him in procuring refreshment supplies and goodies for the After-the-Board-meeting-get-together at their hotel room. Needless to say she would not only prepare and arrange all the fruit and vegetable platters along with refreshment, but would also bring home-made snacks for the occasion..

*Major continued on p. 4*

Dear All,

*Not too long ago when Major Dhillon retired as Executive Director of SOVE, Some Board members expressed their thoughts with accolades and appreciation of his lasting service to the SOVE. Sharing my own thoughts, I wrote the following note, which some members suggested that I put it in the Newsletter. So here we go! Lal*

Owing to the recent changes with the SOVE and the retirement of Executive Director, Major S. Dhillon, I have since long wanted to share my thoughts and feelings with the group on this special occasion. I will begin with a positive note on the relocation of the SOVE office of 22+ years from Northwest Mosquito and Vector Control District in Corona, California to its new home at West Valley Mosquito and Vector Control District in Ontario, California. At Northwest MVCD, SOVE metamorphosed tremendously both at home and abroad under the directions of its recently retired Executive Director (formerly Secretary and Treasurer), Major Dhillon. I believe the changes with SOVE should be taken as a blessing in disguise, especially with the health and retirement of Major as Executive Director coupled with ascending to the rank of Dr. Michelle Brown, District Manager, West Valley MVCD. I think Michelle will do a superb job in keeping the SOVE alive and well! At the same time, Major, Vice President Steve Mulligan and myself in the immediate vicinity will be available to help out when needed for as we all wish Michelle to be the next successful executive di-



## Special Report

### Major cont'd from p. 3 :

Besides Major and Pash, their daughter, Amy (Amrit Dhillon, JD) also served as the SOVE Legal Counsel to provide free legal advice as needed. The Dhillons' hospitality and generosity towards SOVE participants through the years were never a secret. Both Major and Pash are great cooks and they know about people's tastes and make and/or arrange for what their friends would enjoy the most. They had their home open to many of the SOVE friends from all over the globe for stay before or after the SOVE meetings. Not only their house use but during the conference their hotel rooms would be open to friends to socialize after the conference sessions.

During his 22+ years tenure with the SOVE, Major managed the society very diligently with honor, respect and a vision to promote the SOVE cause in disseminating vector ecology and control across borders. He always recognized his staff at the SOVE Board meetings through honoraria and other compensation for their times spent on SOVE matters. Major was exceptionally smart in getting grants or sponsorships for the annual conference or 4-yearly congress to support student participants. He held the Journal of Vector Ecology to high standards and was looking for ways to promote the journal with major input from the journal editor, Marc Klowden.

Major had a great passion for the spread of SOVE as a global resource of knowledge of vector ecology. During his tenure he saw the evolution of the European SOVE with input from a number of European colleagues, while he practically delivered the birth of our three other regional affiliates, Asian SOVE, Brazilian SOVE (now Latin American SOVE,) and Indian Region SOVE, with input from their respective regional directors. He managed 22 annual conferences and 5 SOVE congresses and helped many regional conferences around the world. Lastly, Major also played a pivotal role in the genesis of the World Mosquito Control Association, while also delivering the SOVE message to the Pan African Mosquito Control association (PAMCA).

For his dedicated spotless service to the Society, Major received the Distinguished Service Award in 2002, Life-time Service Award in 2013, and Presidential Honor Award in 2018. As decorated as he is, it is my understanding that Major will always be available

as Executive Director *Emeritus* to give advice and consultation on SOVE matters, if needed.

Finally, on a personal note, I cherish my friendship with Major and his family through 43+ years. He is a dependable, trustworthy and no-nonsense guy; he is always there on time when you need him. I wish him and his family all the best for years to come, especially when he has now officially retired.

Thank you all for reading and please stay healthy and safe!

Lal

(Lal Mian)

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Former Executive Director, Major Dhillon  
(dressed in an African attire)



Former President Uli Bernier  
(wearing an Amazonian headdress)

## Regional Report



Greetings!

Mosquito populations have increased in Florida since the middle of January, 2020 and several mosquito control districts /programs in the region have conducted ultr-low volume spraying due to warm weather and high number of service requests. Recently, due to the COVID 19 pandemic, all regional meetings and travelling have been cancelled or rescheduled. The Entomological Society of America (ESA) cancelled their Southeastern Branch Meeting in Atlanta, scheduled for March 29-April 1, 2020. Anastasia Mosquito Control District (AMCD) cancelled its 17<sup>th</sup> annual arbovirus surveillance and mosquito control workshop, St. Augustine, Florida, March 30-April 1, 2020. Florida Mosquito Control Association (FMCA) had another successful Dodd short course training in Gainesville, Florida, Feb. 3-7, 2020. The FMCA will hold their annual meeting in Duck Key, Florida, November 15-18, 2020. The ESA will hold their annual meeting in Orlando, Florida, November 15-17, 2020. The Florida Entomology Society will hold their annual meeting in Gainesville, Florida June 21-24, 2020. The University of Florida (UF), U S Department of Agriculture/Center for Medical, Agricultural and Veterinary Entomology USDA/CMAVE, and AMCD received the CDC grant on sterile insect technique (SIT) with contract signing done in early November 2019. The AMCD has hired a contract biologist, Vindhya Aryaprema and a biological technician to conduct the SIT project. This year, the AMCD was awarded again by the National Association of City and County Health Officers (NACCHO) for being a mentor to assist/train the Columbus County Health Department-Mosquito and Vector Control Program, in George in 2020.

## SOUTHEASTERN US

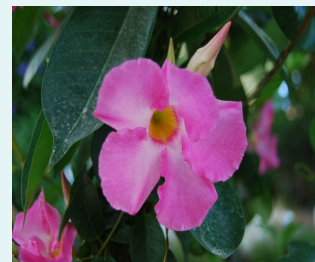
# Rui-Di Xue

## Regional Director

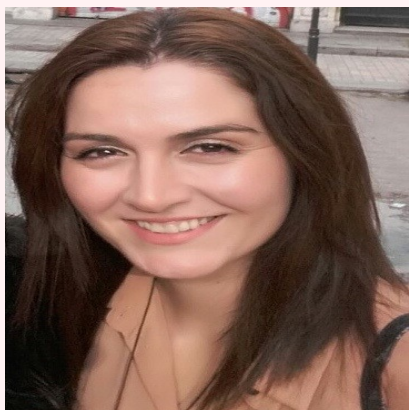
After 12 years of service at the Navy Center of Entomology for Excellence at Jacksonville, Florida, last fall, Muhammad Farooq joined AMCD as a field biologist, replacing Tom Columbus who had earlier retired. Whitney Qualls was rehired at AMCD as entomologist and scientific manager in late October 2019, replacing Christopher Bibbs who joined the Central Life in Dallas, Texas in June 2019. Steven Pepper recently started as arbovirologist at AMCD, replacing Caroline Efstathion who joined the Volusia Mosquito Control District last December.

In the academic world, Phillip Kaufman will leave the University of Florida to become the Director of the Department of Entomology, Texas A & M University in late May 2020, leaving UF to open a search for his replacement.

Finally, it is with great sadness to report the passing of Ed Fussell in California on January 23, 2020. Ed was a former executive director of the Florida Keys Mosquito Control District; he was 87.



## Regional Report



### EUROPEAN SOVE

# Alex Chaskopoulou

## Regional Director

Dear Friends,

Every year, we look forward to connecting with our SOVE community, for sharing our latest research, celebrating our scientific accomplishments and above all re-uniting with our colleagues and dearest friends. Given the growing concerns around COVID-19, the SOVE Board of Directors and the Euro-SOVE Advisory Committee have made the difficult but sensible decision to cancel the annual meetings for 2020. This was an incredibly tough decision to make but we have to prioritize the health and safety of our community. At this point I would like to pass my sincere gratitude to our local conference host in Bulgaria, the Department of Parasitology and Tropical Medicine of the National Centre of Infectious and Parasitic Diseases, and in particular to Dr. Ognyan Mikov, for their excellent collaboration and their willingness to continue to work with us for re-scheduling the future Euro-SOVE conference as we leave these difficult times behind.

While the number one priority of European public health authorities is to decrease the spread of COVID-19, protection of the public from vector-borne diseases remains an essential service and many European countries are maximizing their efforts to prevent any interruptions in vector control operations. Luckily, administrative processes were completed on time and funding was secured to ensure timely initiation of vector control activities for many countries and regions. The biggest challenge is implementing effective vector -disease (VBD) prevention measures while ensuring the wellbeing of vector control operators and the community against COVID-19. To address this challenge public health agencies and vector control institutes are joining

forces to ensure sufficient and consistent distribution of personal protection equipment (PPE) to all field technicians, who are on the front lines of defense against VBDs. Furthermore, the number of personnel working together in the field at any time is being reduced when possible, with field teams restricted in some cases to one person per vehicle, rather than the usual two. Operational adjustments and strategic changes in interventions are already being made in order to minimize activities in most environments that require community interaction, such as trapping in, inspecting or treating private houses. Vector control activities in sub-urban, rural and agricultural areas are being reinforced while public communication campaigns for improving mosquito awareness and prevention practices are being scaled up to counter balance the reduction of vector control efforts in private areas. Direct telephone lines have been established in some instances to assist and advise community members with questions specific to vector problems in their private properties. Some of the main operational difficulties for many vector control professionals have to do with limited supply of essential consumables and equipment (such as PPEs, dry ice), delays in shipment of equipment/ consumables and biological material, lack or delay of equipment maintenance services, low availability of accommodation infrastructures for scientists and technical personnel that are required to travel across the country.

Here is a sample of the feedback I received from vector control experts and public health officials relating to vector control operations during the COVID-19 pandemic in their corresponding countries.

—Romeo Bellini, Director, Centro Agricoltura Ambiente “G. Nicoli” (CAA): “Mosquito control season is coming under a unique situation this year and professionals are struggling to keep activities ongoing. Luckily, most of the contracts were signed before the start of the epidemic and therefore budgets were secured by the public administrations.”

.....*EuroSOVE cont'd on p. 7*



## Regional Report

### *EuroSOVE cont'd from p. 6*

—Elena Falcuta, Medical Entomologist, Cantacuzino National Institute of Research –Development, Romania: “Regular vector control activities were initiated in March according to the usual annual plans, in suburban and urban areas targeting both mosquitoes and ticks. Mosquito surveillance will be reinforced starting in May, and, currently, due to low temperatures mosquito activity is very low.”

—Arjan Stroo, Medical Entomologist, Centre for Monitoring of Vectors, National Reference Centre, Netherlands: “The COVID-19 crisis keeps us quite busy adapting to the new working circumstances. Of course door-to-door treatments, where we used to have operators visiting private gardens that can only be reached through the houses, are estimated to be impossible now in many cases. In the light of this we try to adapt working procedures and also arrange for Bti based larvicides for non-professional use (as a last resort). Regulatory procedures for this have started, but it is early to know the outcome”.

—Sofoklis Kourtidis, General Director of Public Health and Social Welfare Department, Region of Central Macedonia, Greece: “Our region comprises of major wetlands and agricultural fields that are very productive mosquito environments and this spring we had an early start of nuisance mosquito and vector populations coinciding with the corona epidemic. Luckily, administrative procedures were completed a year in advance and vector control activities were initiated on time, and were intensified targeting peri-urban, and rural environments.”

—Spyridoula Mpellou, Director, Bioefarmoges & CO, Attiki, Greece: “As a leading member of the scientific team responsible for vector control operations in Attiki and Peloponnese Regions, my main concern is to maximize the efficacy of our vector control operations while maximizing the safety of our field team – we are learning every day and adjusting to the continuously changing circumstances and new challenges; however, thanks to the support of our local health departments we have been able to overcome many obstacles and we continue to do the best we

can to protect our community from VBDs. I cannot stress how important is the synergy between local public health authorities and vector control operators – it is only with common understanding, and well-coordinated and joint actions that we can hope to manage this unprecedented crisis”.

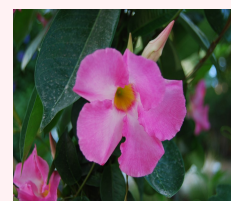
—Ruben Bueno, Technical Director of Lokimica Laboratories, Spain and President of the European Mosquito Control Association (EMCA): “Vector control programs have not stopped in most of Spain despite the Coronavirus pandemic. Vector surveillance and management has been considered by the vast majority local and regional governments one of the essential tasks to conduct for Public Health reasons. The period of confinement declared in Spain (March-April 2020) coincides with 2 important seasonal points for the mosquito control programs in our country. On one hand, the heavy rainy season have provoked large floods in wetlands, especially in Mediterranean ones, facilitating massive hatching of the local salt marsh mosquito named *Aedes caspius*. On the other hand, during the beginning of the spring the Asian tiger mosquito (*Aedes albopictus*) populations are starting to increase in most of urban and peri-urban areas recently colonized by this invasive species. Acting now in both environments and against both species is absolutely mandatory to minimize nuisance and other potential health effects that may occur in the following weeks. Prevention is essential to reduce the impact of vector-borne diseases in Europe.”

I would like to thank my colleagues for their precious time and meaningful feedback. It is inspiring to see the dedication and perseverance of vector control professionals and public health officials in ensuring protection of our communities from VBDs.

I hope that you are all staying healthy and safe during these difficult times and I look forward to better days when we can all get together, more motivated and passionate than before, to celebrate our research and collaboration successes!

Alex

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## ***Regional Report***



### **SOVE Indian Region**

## **Ashwani Kumar**

### **Regional Director**

Dear colleagues and SOVE Family members!

I earnestly hope that you and your dear ones are safe and fine during these COVID19 Pandemic times. India SOVE has seen significant developments in the last 9 months which I would like to share with you. Firstly, I have moved from the National Institute of Malaria Research (NIMR) at Goa located on the southwestern coast of India to Puducherry on the east coast as Director of Indian Council of Medical Research – Vector Control Research Centre (VCRC), an institute of national importance established in 1975. This institute has mandate to research on several vector borne diseases viz., malaria, lymphatic filariases (both Bancroftian and Brugian), Japanese encephalitis, dengue, chikungunya, Zika, KFD, scrub typhus and other rickettsial diseases. The institute with over 160 personnel has one of the finest scientific and technical officers who have played crucial role in shaping policies for the control and elimination of these diseases in the Indian subcontinent. The VCRC is WHO Collaborating Centre for control and elimination of lymphatic filariasis and training on integrated vector management. Besides, this institute runs M.Sc. Public Health Entomology course which is a unique program in the entire South East Asian Region. It is envisaged that close association of SOVE with VCRC will be a win-win situation whereby several scientific meetings and training workshops can be jointly arranged for the Indian Region public health entomologists working in this part of the world. The process of this collaboration has already been set in to motion. A national workshop under the aegis of SOVE Indian Region was planned in March 2020

at Puducherry. We tried shifting of SOVE office from NIMR Goa to the VCRC Puducherry with the permission of the parent SOVE, however due to practical hurdles faced related to the registration process, it had to be shelved. Therefore, SOVE Indian Region office will continue to function from its current location at NIMR, Goa while all the activities shall be planned and organized from the VCRC Puducherry. The membership drive has also been started and it is hoped that new members shall be enrolled in the coming months to achieve our target of 100 membership in India. The next SOVE International Conference is to be held in 2021 as has been announced by the parent SOVE recently. A formal announcement from us will be released in due course after observing COVID 19 situation

At present, Indian subcontinent faces an acute shortage of well qualified and skilled entomologists. Therefore, SOVE Indian Region aims to build the entomological capacity to meet the needs of the Indian Subcontinent. In addition, through SOVE organized meetings and workshops, opportunities shall be created for bilateral and multi-lateral research collaborations for basic, applied, operational and implementation research.

***India SOVE region*** —cont'd on p. 9



## Regional Report

### **Indian SOVE region — cont'd from p. 8.**

Since artificial intelligence is proving as a game changer, this technology can be harnessed for developing smart vector surveillance and control tools. SOVE can be a platform for such technological development and evaluation at multi-country/continental level through the concerted efforts of the parent SOVE.

The WHO had engaged Ashwani Kumar (self) through APW to prepare two training manuals for tutors and participants on “Vector Surveillance and Control at Points of Entry” as mandated by International Health Regulations (2005). These are currently under review. The final versions are likely to be released by WHO for global use sometime in 2020.

Recently, the SOVE Indian Region organized a “National Workshop on Entomological Capacity Building/Strengthening” held March 9-13, 2020 in Puducherry, India. Although, the workshop was conducted under the threat of CORONA virus, needless to mention that it was a resounding success due to a splendid team effort. Briefly, there were 26 resource persons/faculty from different parts of the world who presented in person or remotely. Steve Mulligan attended the workshop and delivered two outstanding lectures. He was accompanied by his wife Susan Mulligan. The faculty extended their fullest co-operation and were in sync with the organizers throughout the workshop. Altogether, there were 16 sessions and four key note addresses. During these 16 sessions, 24 lectures covering lymphatic filariases, malaria, arboviral infections, scrub typhus, KFD and visceral leishmaniasis were delivered by eminent speakers of National and International repute. Ten practical

sessions were conducted. There were three remote presentations via zoom from WHO Geneva by Raman Velayudhan and Rajpal Singh Yadav, and by Norbert Becker from Germany. Besides, there were four sponsors’ lectures on different vector control products and appliances. A total of 22 State Entomologists hailing from different states of India and two postgraduate students from the Department of Epidemiology and Public Health, Central University of Tamil Nadu, Tiruvarur received training in the workshop.

An excellent news to share with the SOVE family is that the membership of SOVE Indian Region has increased from 55 to 91 during the last 4 months, thanks to the sincerity of A. N. Shriram who left no stone unturned in achieving this fete. We have set a target of 100 SOVE members in the coming three months.

Ashwani Kumar

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## Regional Report



Jason Kinley holds a Master of Science in Entomology from Iowa State University, with specialization in mosquito-West Nile virus interactions and mosquito ecology, as well as the directorship of the Gem County Mosquito Abatement District since 2005. He has managed “small-entity” mosquito control programs for over 20 years. Jason has conducted integrated mosquito management at all program levels, whether as a seasonal control technician, a surveillance coordinator, or as a program administrator. He served on the Idaho Bureau of Homeland Security committee, formed by Idaho Governor Jim Risch, to develop best management practices and appropriate protocols for responding to an arbovirus (e.g., West Nile virus) epidemic in 2006 and has conducted multiple distribution surveys to characterize *Ixodes pacificus* distribution in Idaho and to better correlate locally-acquired Lyme disease cases with vector presence.

When he first arrived in Idaho, Jason created the Idaho Mosquito and Vector Control Association and served as president in 2006. Jason directly assisted in the development and proliferation of sustained mosquito control programs throughout Idaho. In 2006, there were only 12 operating districts. After spearheading a successful legislative change to the Idaho Abatement Act of 1958, the number of control programs doubled and there are now 23 active abatement programs operating in Idaho.

Jason served as the president of the Northwest Mosquito and Vector Control Association in 2008 and as its Executive Director from 2009 to 2017. He recently completed his term as the president of the American Mosquito Control Association (AMCA),

# Welcome!

## Northwest, USA, Canada

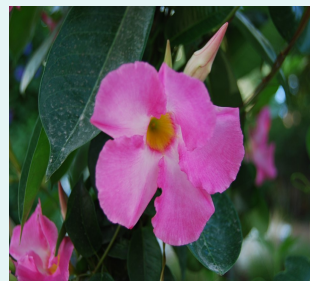
### Jason Kinley

### Regional Director

and has held positions on the AMCA board of directors for the past 6 years.

Jason knows the world needs vector-borne disease control. He also recognizes that to be successful in controlling a vector and disease, it is imperative to understand its ecology. David Sullivan once said to Jason, “If you want to control mosquito-borne disease, then control mosquitoes. If you want to control mosquitoes, then you had better get to know them.” Jason and David were long-time friends and colleagues. Jason’s acceptance of appointment to the Society’s governing body is in honor and appreciation of David. David will be tremendously missed by Jason and his wife. Jason met his wife, Anne, at Brundage Mountain Ski Resort while skiing on a winter Sunday 11 years ago. He has a daughter, currently attending the University of Idaho, and two dogs. When he is not managing mosquitoes or dragging for ticks, he enjoys hunting, fishing, gardening, and honeybee keeping.

Jason would like to thank the Society for the opportunity to serve as the regional director on the governing board and looks forward to representing the US northwest region.





## *In Memorium*

### **David Sullivan Northwest Past Regional Director**

David Sullivan, 81, passed away peacefully on March 22, 2020, at his home in Gallatin Gateway, Montana, a place David loved dearly since he was a young boy visiting from California. David was born and raised in Oakland, California, and served in the U.S. Army in the early 1960's, stationed in Germany. David earned his degree in entomology from California State University Hayward, and soon thereafter joined Zoecon Corporation in Palo Alto, California.

While at Zoecon, David was the first IGR worldwide product manager and in the 1970's and 1980's spearheaded the development and introduction of many methoprene products now sold, including Altosid. After leaving Zoecon in 1986, David established Zanus Corporation, which became the leading distributor of the IGR product line in the U.S. While leading Zanus, he established many long-lasting relationships with key influencers in the mosquito and pest control industries, doing extensive work with IGRs for mosquito as well as midge, cockroach and flea control. David collaborated on control and eradication projects in New Zealand and Australia; he was instrumental in providing guidance for control programs throughout the Caribbean, South American, African and Asian regions. In vector control, no challenge was too great for David! He also served as the Executive Director for the Montana Mosquito & Vector Control Association, and throughout the years remained a welcome fixture at the American Mosquito Control Association and Society for Vector Ecology gatherings around the world. "Why should I retire?" David often said with a smile, and no one ever argued with him. He was a mentor to many, and a friend to all.

Throughout his life David had a passion for fast cars, good friends, and for traveling the world, which started as a young man when he bicycled across Europe with a buddy. His need to roam inspired David to get his pilot's license in the early 1990's, and he continued to fly his private planes for over 20 years, until vision issues forced him to reluctantly hang up his wings. Together with his wife, Maralee, David enjoyed entertaining their many wonderful friends at their home, and exploring the world wherever David's business took them. He leaves behind a legacy etched into the minds of those who knew him, and the stories they continue to share about him. A Celebration of Life is tentatively planned for this summer.

Dan Arias

**The SOVE family has lost one of its stalwarts; he will be sorely missed! SOVE Board and friends**



### For Your Calendar

The 86th Annual Meeting of the American Mosquito Control Association will be held March 1—5, 2021 in Salt City, Utah.

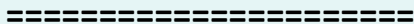
### Resources

BEI Resources for Vector Biology Research NIAID’s BEI Resources program ([www.beiresources.org](http://www.beiresources.org)) provides Vector Biology resources for free to registered, approved researchers in domestic and foreign institutions with appropriate facilities and containment procedures for vector research. Our widely requested holdings include LIVE arthropod vectors of human disease, including anopheline and culicine mosquitoes, reduviids, ticks and sand flies, associated reagents and genomic materials for entomological research, along with insectary protocols. For the cost of nothing, recipients are only required to acknowledge the use of the individual resources in publications and presentations of the research in which the materials are used.

BEI Resources arthropod colonies are made available by the deposit contributions of investigators throughout the world. Deposited materials undergo review by NIAID prior to acceptance. Please notify BEI Resources through the Suggest A Reagent Form if you have a request for inclusion or the Deposit Inquiry Contact Form if you have a unique strain for consideration.

Vector Biology resources available through BEI Resources will remain available throughout the current coronavirus pandemic. Orders and/or shipping of certain live vectors may be delayed or temporarily on hold depending on the current operating status of individual insectaries for mosquitoes, ticks, reduviids and sand flies. As of early April 2020, live sand fly orders and shipments are temporarily on hold, but will resume as soon as possible.

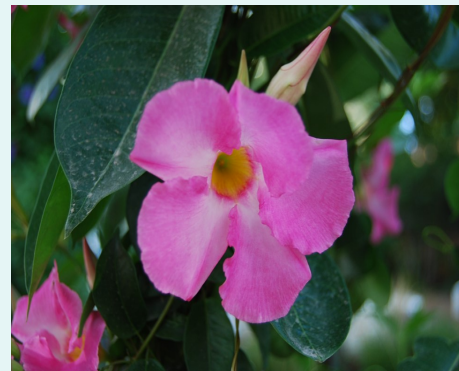
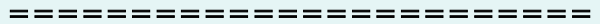
Adriana  
Adriana Costero-Saint Denis, PhD  
Vector Biology Program, NIH  
Phone: 240-292-4284  
Email: [acostero@niaid.nih.gov](mailto:acostero@niaid.nih.gov)  
<https://www.niaid.nih.gov/research/vector-bio>



### Job Announcements

#### *Entomologist/Biologist Position*

The CDC Foundation seeks a candidate for a full time entomologist or biologist to assist in the culture of medically important ticks that can transmit a wide variety of bacterial and viral pathogens as well as protozoan parasites pathogenic to humans, perform morphological authentication of these stocks, perform bioassays, and assist in preparing and distributing laboratory raised ticks to collaborators. Position requires a B.S. degree in entomology, biology, public health or related science field (or minimum two years equivalent experience). Laboratory experience in the handling and rearing of arthropods preferred. For a detailed job description and application procedure, please visit [www.sove.org](http://www.sove.org) for job openings or [www.cdcfoundation.org](http://www.cdcfoundation.org).





## Society for Vector Ecology

1295 E. LOCUST ST  
ONTARIO, CA 91761  
USA

Phone: (909) 635-0307  
admin@sove.org

*Newsletter Editor*  
Lal S. Mian, Ph.D.  
lmian@csusb.edu

**We are on the Web!**  
[www.sove.org](http://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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lpx2@cdc.gov

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iunlu@miamidadecounty.org

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smulligan@mosquitobuzz.net

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ubernier@cox.net

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mbrown@wvmvd.org

### Executive Director Emeritus

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pintailmd@gmail.com

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douglas.norris@jhu.edu

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xueamcd@gmail.com

### North Central USA

Nicole Achee Ph.D.  
nachee@nd.edu

### South Central USA

Steve Presley, Ph.D.  
steve.presley@ttu.edu

### Northwestern USA, Canada

Jason Kinley  
director@msn.com

### Southwestern USA

Lal Mian, Ph.D.  
lmian@csusb.edu

### Asian -SOVE

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guntermuller@hotmail.com

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Alexandra Chaskopoulou, Ph.D.  
achaskopoulou@ars.ebcl.org

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Ashwani Kumar, Ph.D.  
ashwani07@gmail.com

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Paulo Pimenta, Ph.D.  
pimenta@cpqrr.fiocruz.br

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Kara Fikrig  
kmf227@cornell.edu

=====

### EDITORS

### Journal Editor

Marc J. Klowden, Ph.D.  
mklowden@uidaho.edu

### Newsletter Editor

Lal S. Mian  
lmian@csusb.edu

=====

### Web Master

Michelle Brown  
mbrown@wvmvd.org

