



SOVE Newsletter

President's Message



Dear Colleagues,

First off let me thank you all for giving me the opportunity to serve as President of the SOVE for the current term, 2017-2018. Next, I begin with the 7th International Congress of SOVE that took place at the Balearic Island of Mallorca, Spain, October 1-7, 2017. The Congress was held jointly with the European SOVE with the courtesy and dedication of the Congress president Norbert Becker, the scientific program chair Bulent Alten, and local program organizer Miguel Miranda. These individuals deserve a big thank you for their dedication, passion, and hard-work without which the Congress would not have been made possible. The Congress Program had 17 symposia, including two exclusively for students, all conducted and moderated by students. There were 106 oral presentations and 157 poster presentations displayed in three separate sessions. There were 350 attendees, 49% of which were first-time attendees. Overall, the group had a great diversity with a majority representing researchers and academicians (45%), students (17%) with the rest ranging from vector control professionals to individuals representing private and public (regulatory) sectors. For a more detailed information, please refer to the Post-Congress Survey results by Dhillon and Van Dyke, p. 2 of this issue.

Every year, the Society recognizes selected members for distinguished achievement and service awards. This year's award recipients included: Life-time

Achievement Award—Dan Strickman; Life-time Service Award—Norbert Becker; Distinguished Achievement Award—Gregory Lanzaro, Vincent Robert; Distinguished Service Award—Miguel Miranda, William Walton. My congratulations and best wishes to all the awardees, you so deserved it!

Each year the SOVE Board conducts a general meeting before the conference and a business meeting later during the conference where all matters and Board actions are discussed and approved, including changing of the gavel and other changes to the Board composition. This year's announcements included the election of Lyle Petersen as the new vice president, which resulted in the current vice president Uli Bernier ascending to president-elect and Lal Mian becoming the president while Michael Kaufman assumed as past-president. Replacing Mike certainly seems a daunting job. Thanks Mike for your outstanding past and present service to the SOVE. Other changes to the Board included term completion of some regional directors and their replacements. The two outgoing regional directors, Woody Foster, North Central US, and Steve Presley, South Central US, were being replaced by Nicole Achee and Melissa Nolan, respectively. Overseas, Gunter Muller and Alexandra Chaskopoulou replaced Qi-Yong Liu at Asian SOVE and Eva Veronesi at EuroSOVE, respectively. Also, due to a recent revision to the Bylaws, Major Dhillon from being Secretary/Treasure all these years became the Executive Director of the SOVE. Congratulations, Major! I sincerely admire your versatility and leadership in navigating the day-to-day business of the SOVE. Serving on the SOVE Board or committees is a voluntary job and it requires an unlimited time commitment. I want to thank you all, both incoming and outgoing members of the Board, for

—President's message continued on p. 4.

In this issue

| | |
|---|---------|
| President's message, Congress survey | 1,2 |
| Regional reports : Northeastern, Southeastern | 3,4 |
| Regional report: North Central, South Central | 5,6 |
| Regional report: Northwest US, European SOVE, | 7,8 |
| SOVE Board meetings: Minutes | 9-12,13 |
| Obituary: Michael Service | 14 |
| Calendar, jobs, resources, About SOVE | 16,17 |

Post Congress Survey 2017

Major Dhillon and William Van Dyke

The 7th International Congress of the SOVE held October 1-7, 2017 in Palma de Mallorca, Spain, was an excellent meeting attended by over 350 people. The following data were collected post-conference. The data showed an overwhelmingly positive response based on the experiences of attendees. The survey used the following Likert scale to determine feedback: Very Good, Good, Fair, and Poor.

The *very good and good* ratings given by respondents to the Congress, its programs or symposia are summarized in the table below.

| Parameter used | % responding |
|---|-----------------|
| Overall Congress | 93 |
| Overall presentations | 89 |
| Overall content | 91 |
| Relevance to work | 90 |
| Congress venue | 80 |
| Catering amenities | 90 |
| Registration process | 88 |
| Symposium 1. Molecular strategies..... | 95 |
| Symposium 2. Old disease.... new technology..... | 95 |
| Symposium 3. Insecticides and repellents | 78 |
| Symposium 4. Role of arthropod saliva..... | 87 |
| Symposium 5. Integrated vector management..... | 88 |
| Symposium 6. Advances in ecology of ticks..... | 96 |
| Symposium 7. Kiss of disease: Triatomines..... | 92 |
| Symposium 8. Malaria: Can it be eradicated?..... | 85 |
| Symposium 9. Student presentations (US) | 96 |
| Symposium 10. Student presentations (All others).. | 96 |
| Symposium 11. Taxonomy, phylogeny of mosquitoes | 93 |
| Symposium 12. Vector projects in the world | 91 |
| Symposium 13. Parasitic arthropods ID..... | 90 |
| Symposium 14. Brokerage event..... | 93 |
| Symposium 15. mosquitoes,& sand flies control..... | 93 |
| Symposium 16. Focus on sand fly saliva | 93 |
| Symposium 17. Global <i>Culicoides</i> research | 96 |
| Field Ecology Day excursion..... | 91 |

Participants for the Congress were as follows:

Number of attendees: 350

Number of presentations given: 106

Number of poster presentations displayed: 157

Attendees with Government affiliations: 39%

First-time attendees at SOVE Conference: 49%

Composition of Attendees:

Researcher: 45% ; student: 17% ; vector control professional: 23% ; private sector: 7% ; regulatory sector: 2%; and Other: 6%

-Field Ecology Day Excursion :

—was rated very good and good by 91% of respondents’ .

-Value for learning, career and networking:
—was rated as very good or good. by 76%

-Will the knowledge or contents of the Congress help improve your professional activities: was answered yes by 96% of respondents.

-Funding Source for the Congress:

-funded by a grant 22%, private source 21%, SOVE 21%, and employer 36%.

If you were not funded by a grant provided through the SOVE Organization, would you have been able to attend without the SOVE’s support?

55% answered no, that they would not have been able to attend.

=====



Regional Reports



NORTHEASTERN USA

ISIK UNLU, regional director

eModule 1: Understanding and Controlling the Zika virus – Overview: Mosquitoes and Disease: *Aedes* and *Culex*. During the live workshop, attendees used the Best Practices Manual and navigated a case study involving surveillance, mapping, action thresholds, and control. Working in teams, the participants utilized real data to develop an action plan.

Upcoming TTT Workshop Hub events:

TEXAS: January 25-26, 2018 (8 am to 4 pm)

COLORADO: Tuesday, March 13, 2018 (Immediately prior to the West Central Mosquito & Vector Control Association Annual Meeting)

WASHINGTON: April 12th, 2018

Northeast Regional Meetings

This year, the 63rd Annual NMCA Meeting was held at the Hotel 1620 Plymouth Harbor in Plymouth, MA from December 4-6, 2017.

This year, 105th Annual New Jersey Mosquito Control Association meeting will be held at the Ballys in Atlantic City, NJ; March 14 - 16, 2018.

=====

As I reported before, New Jersey hosted an exciting and unique event at the AMCA headquarters, Mt. Laurel in March, 2017 where two designated Master Trainers from each selected state received Master Certification. Now it's time to develop comprehensive, interactive "Train-the-Trainer" (TTT) workshops. As you may be aware, the AMCA was awarded a multi-million-dollar contract from The Centers for Disease Control and Prevention (CDC) for the establishment of training and certificate programs for mosquito surveillance and control in response to the emergence and spread of Zika virus in the Western hemisphere in late 2016. With the award, the AMCA designed, developed and deployed a targeted mosquito surveillance and control training program, as well as insecticide resistance, using the recently updated Best Management Practices for Integrated Mosquito Management for US state and protectorate institutions responsible for conducting mosquito control.

The program has been developed by a panel of experts and occurs in three tracks through both online and onsite components. The onsite portions are TTT Certification workshops held at ten regional training hubs located across the US. The onsite TTT workshops launched in mid-2017.

I would like to highlight a specific Track 2 TTT event recently held in October. The TTT workshop hub for North Carolina took place October 9-10, 2017 in Carolina Beach, NC. The workshop hub welcomed 36 students from North Carolina, South Carolina, Georgia, Virginia, Michigan, and California. Stephanie Richards and the selected faculty provided a comprehensive interactive training experience.

Trap Identification Challenge Activity: Teams reach a consensus on matching a trap name for variety descriptions.

The students successfully completed the training curriculum and received the AMCA TTT Certification. Prior to attending the live workshop training event, attendees were required to read the revised AMCA Best Practices for Mosquito Management Manual and complete



Regional Reports



SOUTHEASTERN REGION

Rui-De Xue, regional director

There was one local transmission case of Zika virus in Florida so far in 2017. Due to hurricane Irma, mosquito population outbreaks were reported in Florida in September and October, 2017; many counties had to conduct aerial spraying to control the mosquito situation.

The AMCA/CDC training hub held its 3rd Train-the-Trainer workshop at Anastasia Mosquito Control District, St. Augustine, FL, from October 25-26, 2017. There were 35 registrants for the training. Dan Kline, Ary Faraji, David Hoel, Eva Buckner, James Cilek, Rui-De Xue, Chris Bibbs, Dan Dixon, Molly Clark, and Caroline Efstathion gave talks on different topics. Charles Collins and Leslie Prestoy from AMCD headquarters, New Jersey observed the two day training.

The Florida Mosquito Control Association held their 89th annual meeting in Gaylord Palms Resort, Orlando, FL, from November 14-17, 2017. There were more than 70 presentations at the meeting. For more information about the meeting, please visit the FMCA website at www.floridamosquito.org

In celebration of the Distinguished Professor, L. Philip Lounbos' retirement from the University of Florida/IFAS/FMEL, Vero Beach, a workshop on mosquito ecology and evolution was held in UF/Indian River Research and Education Center, Ft. Pierce, Florida, December 8 - 9, 2017. For more information about this workshop, please visit the University of Florida/IFAS/FMEL website.

John Paul (Johnny) Hunter a one-time director of the Charolette County Mosquito Control and Aquatic Weed Control Program passed away on October 26, 2017. He was 63 years old and the Florida mosquito control community will miss him.

President's message cont'd from p. 1.

contributing countless number of hours to the cause of our Society without which we won't be even near to where we are now. Other positions so special to SOVE are Editors—Marc and Anne Klowden—Journal of Vector Ecology (JVE), Lal Mian—Newsletter; JVE Editorial Board Chair—Woody Foster; webmaster and technology guru—William Van Dyke; and secretary—Valerie Montigny, all remain unchanged. I highly appreciate your dedications and commitment and please keep the good work going.

One thing I have noticed that somehow we have lost that student base that we started a few years ago. Currently we get students to our annual meetings primarily through their faculty advisors. We need to have students involved under the umbrella of the SOVE in the form of student chapters or the likes. I will be reviving the student page "Student Corner" in the Newsletter to give students a voice of their own. On the bright side, however, we were able to attract more students to participate in the 7th International Congress by providing them financial support through the generosity of the Bill & Melinda Gates Foundation. My Big Thank You goes to Dan Strickman and Peter Berry at the Gates Foundation and for Major Dhillon for so skillfully putting together a fundable grant application.

Going forward as you all know, we will be celebrating the 50th Anniversary of the SOVE and I see next year's annual conference to be a very special one, which will be held October 6-11, 2018 at Tenaya Lodge at Yosemite National Park, California—the birth place of the SOVE. We will be anticipating a record number of attendees and if you have not made up your mind yet, I urge you to please mark your calendar for this special event, comes only once in 50 years! You will hear more about it in the coming months.

I wish you a happy and joyous Holiday Season,

Lal

Lal Mian,
SOVE President

Regional Reports



NORTH CENTRAL US

Nicole Achee, regional director

Dear Colleagues and Friends,

This is my first newsletter contribution as the new North Central Regional Director and I am very excited to be able to highlight one of our regions' achievements.

(Contributed by Robin Mittenthal and Lyric Bartholomay)

Researchers and public health officials across the Midwest have been working for years to identify, understand, and respond to human and animal health concerns surrounding vector-borne diseases (VBD) like Lyme disease, La Crosse encephalitis virus, and West Nile virus. Now, the Midwest Center of Excellence for Vector-Borne Disease (MCE-VBD) is using funding from the Centers for Disease Control and Prevention to build region-wide solutions for VBD. The center has three main goals: 1) training of a new generation of public health entomologists, 2) improved sharing of VBD-related information across the region, and 3) research on vector surveillance and control.

Led by the University of Wisconsin's Lyric Bartholomay and Susan Paskewitz, the center has diverse academic, public health, and vector control industry partners in Iowa, Illinois, Michigan, Minnesota, and Wisconsin. Principal Investigators include Joel Coats, Ryan Smith and Brad Blitvich (Iowa State University), Jean Tsao, Ned Walker and Mike Kaufman (Michigan State University), Dave Neitzel (Minnesota Department of Health) and Marilyn O'Hara Ruiz, Rebecca Smith and Nora Mateus-Pinilla (University of Illinois). In the first year of the Center, notable successes include the detection of new invasions of *Aedes albopictus* in three states

(Wisconsin, Iowa, and Minnesota), large-scale efficacy testing of common larvicides by researchers and mosquito abatement district staff in Illinois and Michigan, and the creation of a certificate in public health entomology. Seven trainees have already been awarded that certificate and almost 60 more are working toward completion using new training initiatives in vector identification, surveillance methods, and pathogen diagnostics.

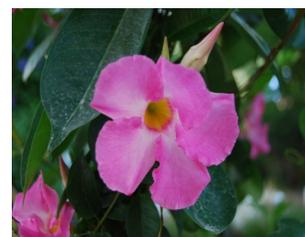
Because of the center, public health colleagues are connecting across state lines, helping researchers make sure their work is useful to state and local public health entities, and facilitating multi-state research projects. David Neitzel, supervisor of the Vector-borne Diseases Unit of the Minnesota Department of Health, says of the center's calls "This is really exciting – it's great to know what's going on in neighboring states."

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

Looking forward to serving SOVE members and regional partners for the coming years!

Sincerely,

Nicole



Regional Reports**SOUTH CENTRAL US****Melissa Nolan, regional director**

It is with great pleasure that I assumed the Regional Director position this fall from my esteemed colleague, Steve Presley. Steve has certainly left some big shoes to fill!

Our region is welcoming 10 new members starting in 2018 from the City of Baton Rouge, United States Department of Agriculture's Knippling-Bushland US Livestock Insects Research Laboratory, and Tulane, Texas Tech, and Texas A&M Universities. Welcome new members!

Regional activities in Fall 2017 were largely impacted by Hurricane Harvey, a category 4 hurricane that directly affected Texas and Louisiana, along with heavy rainfall affecting the entire southeastern USA. Our very own, Harris County Public Health's Mosquito & Vector Control, led by Mustapha Debboun, sprung into action. 121,928 acres were treated by truck-mounted ground ultra-low volume from September 5, 2017 – September 27, 2017. In addition, 597,682 acres were treated aerielly from September 14-20, 2017 in coordination with the Texas Department of State Health Services and the United States Department of Defense. The Education/Outreach Team and the Senior Public Information Officer planned post-storm mosquito and vector control activities, just-in-time community outreach training for employees who worked outside of their usual job responsibilities, provided talking points for news media interviews, attended 19 community outreach events, educated over 4,000 residents, and handed out over 3,000 donated mosquito repellent cans September 5 – 22, 2017. We are all grateful for Debboun and his staff's heroic efforts to keep our city safe and healthy during recovery efforts.

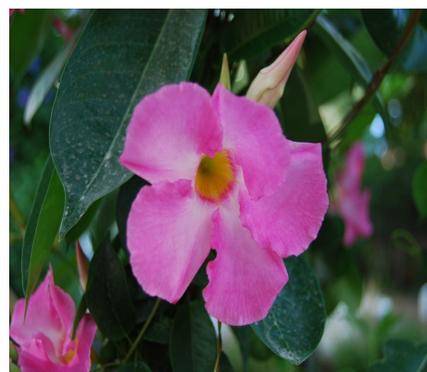
Despite the devastating effects of Hurricane Harvey, our region's members were as productive as ever! Carolyn Hodo, a postdoctoral associate in Sarah Hamer's laboratory, from Texas A&M University won the 2017 American Committee of Medical Entomology Young Investigator Award for her work on veterinary Chagas disease in Texas. Hamers' labs published their continuing work on the epidemiology of Chagas in the USA (PMID:28787451;

29106561; 29141765). Steve Presley and Steven Peper from Texas Tech University documented the first evidence of *Aedes albopictus* and *Aedes aegypti* in the Texas panhandle, suggesting the potential for new disease transmission risk in the area (PMID:29125249). Pia Olafson published new evidence that Texas house flies can transmit several fungal species never previously identified on these vectors (PMID:28399217). Lee Cohnstaedt was productive this fall with three publications on analyzing vector competence for Japanese encephalitis virus (PMID:28882172), a review of the Mosquito Vector Biology and Control in Latin America symposium in San Diego, CA (PMID:28854106), and hessian fly attractants for enhanced trapping methods (PMID:28591810).

I am looking forward to seeing what great research and public health successes are forthcoming from our region in 2018. Happy holidays to all!

Cheers,

Melissa



Regional Reports



NORTHWEST REGION

David Sullivan, regional director

Greeting!

What a difference from my June Regional Report. In that report our moisture in most of the Northwest was well above normal. Now, large areas of Idaho, Washington and Montana are seeing severe fires with little or no rainfall. Then recently, we got low temperatures and increased rain. While hurricanes are ravaging Texas and Florida, the West appears to be burning up. According to the National Fire Information Center, as of September 12, 2017, there are 62 large fires that have burned more than 1.6 million acres and most of these fires have not been contained.

Here are the states with the fires:

| State | Current fires | Acres burned | No. contained |
|------------|---------------|--------------|---------------|
| Colorado | 2 | 8,844 | 1 |
| Idaho | 4 | 115,930 | 0 |
| Montana | 20 | 469,962 | 1 |
| Oregon | 17 | 473,433 | 0 |
| Utah | 1 | 11,140 | 0 |
| Washington | 8 | 206,827 | 1 |
| Wyoming | 2 | 5,172 | 0 |

How does the Nation's fire season of 2017 (1/1/17 -9/12/17) compare to previous years (listed only those over 5 million acres): Source: [National Interagency Fire Center](#), September, 12, 2017.

| Year | # of fires | Acres burned |
|------|------------|--------------|
| 2017 | 48,318 | 8,179,441 |
| 2015 | 45,352 | 8,673,842 |
| 2012 | 46,100 | 8,304,801 |
| 2011 | 57,128 | 7,485,822 |
| 2009 | 68,019 | 5,540,049 |
| 2007 | 69,367 | 7,418,909 |

The mosquito season started late in most of the region and was relatively short due to the lack of moisture. Many Districts believe mosquito abundance was restricted by the fires and low river water. West Nile virus occurrence was low with 34 cases and no deaths reported as of the latest CDC figures. Of course there may be additional cases later in the season. It is interesting to note that the Dakotas collectively had 79 total WNV cases with 1 death.

West Nile Virus activity in the Region:

| State | WNV | Viremic blood | Deaths |
|-------|-----|---------------|--------|
| CO | 11 | 2 | 0 |
| ID | 3 | 0 | 0 |
| MT | 7 | 1 | 0 |
| OR | 2 | 1 | 0 |
| UT | 9 | 3 | 0 |
| WA | 1 | 1 | 0 |
| WY | 1 | 0 | 0 |

Regional Reports



EUROPEAN SOVE

Alexandra Chaskopoulou
regional director

Dear Colleagues and Friends,

As the new Director of the European SOVE, I would like to express once more my heartfelt thanks to all of you for your support and trust. I am honored and humbled for this wonderful opportunity to serve the Euro SOVE family and I promise I will work tirelessly on your behalf to promote our society's interests.

Societies rely on the joint participation of all their members and I look forward to hearing any ideas and proposals you may have about improving our society's activities. Please do not hesitate to contact me anytime.

One of my first responsibilities as the new director is to establish the Advisory Committee to carry out ESOVE activities with general consensus. Our Society is committed to solving many complex problems encountered in the field of vector biology and control. To be effective and relevant, I believe it is critical that representatives across various research fields in academia, as well as, industry should have the opportunity to provide input and service on behalf of this committee. The advisory committee is comprised from well-respected professionals in the field of vector ecology and control representing a wide range of countries. I would like to take this opportunity and welcome all members of the new advisory committee and thank them for volunteering their time to serve our society.

The new advisory committee members are:

- Bulent Alten, Hacettepe University, Ankara (Turkey)
- Norbert Becker, KABS, Heidelberg University, Valldorf (Germany)
- Romeo Bellini, CAA, Bologna (Italy)
- Marieta Braks, RIVM, Bilthoven (the Netherlands)
- Major Dhillon, Northwest MVCD, Corona CA (USA)
- Vit Dvorak, Charles University, Prague (Czech Republic)
- Claire Garros, CIRAD, Montpellier (France)
- Ulla Gordon, Biogents, Regensburg (Germany)
- Filiz Gunay, Hacettepe University, Ankara (Turkey)

- Hugo Osorio, NIH, Lisbon (Portugal)
- Francis Schaffner, Francis Schaffner Consultancy, Riehen (Switzerland)
- Eva Veronesi, University of Zurich, Zurich (Switzerland)
- Chantal Vogels, Wageningen University, Wageningen (the Netherlands)
- John Vontas, Agricultural University of Athens, Athens (Greece)
- Marija Zgomba, University of Novi Sad, Novi Sad (Serbia)

The 7th International Congress of the SOVE at Mallorca (Spain) was a great success with more than 125 participants and 35 oral presentations from European institutions. It was wonderful to see everyone again and discuss ideas about how to improve our future conferences. The timing was great since we are in the process of organizing our next scientific conference that will be held in Palermo, Sicily (Italy) in October 2018. All of your suggestions will be integrated in the upcoming meeting. Palermo is among the top tourist destinations in Europe because of its warm Mediterranean weather, rich culture, renowned gastronomy, beautiful architecture and of course access to gorgeous green blue beaches. We are lucky to have as our local host Alessandra Torina, Head of Entomology & Vector Control Laboratory, Experimental Zooprophyllactic Institute of Sicily "A. Mirri." Already, under Alessandra's supervision, meetings have been arranged with local conference venues and very soon all details will be finalized and the conference information will be announced on the society's website. So, stay tuned!

Best Wishes to All,
Alex



**Minutes of the Annual Meeting of Board of Directors
SOCIETY FOR VECTOR ECOLOGY**

Melia Palas Atenea Hotel, Discobolo Room

Palma De Mallorca, Spain

October 1, 2017; 4:00 pm

Call to Order: President Michael Kaufman called the meeting to order at 4:07 pm.

Roll Call: Directors present: Kaufman, Mian, Bernier, Kline, Mulligan, Sullivan, Unlu, Xue, Presley, Pimenta, Kumar, Veronesi, and Dhillon.

Directors absent: Foster and Liu.

Others Present: William Walton, William Van Dyke, Norbert Becker, Miguel Miranda Chueca, Charlie Smith and Melissa G. Nolan.

Additions to Agenda: Dhillon added the following items:

— free membership for African and Latin American countries.

—addition of Bill Van Dyke as signatory to the SOVE accounts.

4. Approval of Minutes: A motion made by Mulligan to approve the minutes of the September 11, 2016 Board meeting held in Anchorage, Alaska as presented, second by Kline, *passed unanimously*.

5. Committee Reports:

A. Publications

Journal of Vector Ecology

Dhillon reported that Marc Klowden notified him that he will not be able to attend the meeting. He has submitted a written report for the Board. Dhillon discussed the salient features of the report. He stated that 111 manuscripts were submitted with 32% acceptance rate. He pointed out JVE's impact factor has risen to 1.473 which ranked at number 30 from the 91 entomology journals. He also pointed out a scientific issue with political comments which Klowden resolved it very diplomatically. He also pointed out "most read articles" which really shows that JVE is truly a Vector Ecology Journal.

Newsletter:

Newsletter Editor Lal Mian thanked all the Regional Directors for submitting their reports in a timely manner. He also stated to limit your report to two pages and he requested each Director to submit at least two reports per year.

B. Membership:

Dhillon reported that membership is hovering around 500. No need to increase membership dues and also requested the new item added to the agenda can be discussed now. After a lengthy discussion on the pros and cons of free membership, a motion made by Mulligan to provide 100 free memberships to scientists/students in Latin America and African countries for a five year period, second by Kumar, *passed with a majority vote with one nay*.

The Board will review this item next year and take further action as necessary.

C. Regional Reports:

1. Kumar reported that at the last Board meeting he was directed to establish the Indian SOVE region. He reported that the region with at least 50 members has been established. It is fully registered under Indian law with headquarters in Goa. They have established a local council and applied for foreign...

.....*Minutes cont'd on p. 10*

...*Minutes continued from p. 9.*

exchange permit. The Indian SOVE conference will be held in Goa from February 13-16, 2018 and invited all attendees to participate.

2. Pimenta reported that Brazilian Tropical Medicine meeting will be held in 2018 and they are thinking to hold Brazilian SOVE concurrently with this meeting. He will send more details later.

3. Xue reported that Asian SOVE will be held in 2019 and he expects 300 people to attend.

4. Veronesi stated that she has completed her term and stated that Alexandra Chaskopoulou will be the new ESOVE Director. She thanked Major Dhillon, Bill Van Dyke and Lal Mian. She also indicated that people who have been regional correspondents and have not contributed anything for the newsletter should be replaced. She also brought up the ESOVE bank account and opinioned that it should be Euro SOVE money. Dhillon responded that it is primarily SOVE money and will be used by ESOVE as needed. He also stated that he will work with Becker and establish the ESOVE account on a permanent basis so that this problem can be solved forever. It has already been done by the Indian SOVE region.

D. Awards:

In absence of chair Alten, Dhillon stated that due to prior commitment, Alten will not be able to attend the Board meeting as he will arrive late this evening. He stated the awards committee had selected Greg Lanzaro and Robert Vincent for the Achievement award and William Walton and Miguel Miranda Chueca for the Service award. The Lifetime achievement award was bestowed upon Dan Strickman and the Lifetime Service award to Norbert Becker. Due to their presence at the Board meeting Dhillon did not announce Norbert Becker and Miguel Miranda Chueca's name as to keep the surprise for later.

6. Financial Report:

Dhillon reported that SOVE is in an excellent financial strength. He mentioned that when he was appointed Secretary/Treasurer SOVE was in the red for a few thousand dollars. After his appointment of Secretary/Treasurer, he was directed to bring SOVE into good financial health and bring SOVE reserves equal to 2-3 times of its annual budget (excluding the SOVE conference budgets). He pointed out that SOVE currently has approximately over \$450,000.00. He also pointed out again, the reason SOVE can afford to give 100 free memberships to Latin and African countries. SOVE's main purpose now is to expand its base into Latin and African continents to include researchers and scientists from these parts of the globe. Motion by Presley, second by Xue to approve the financial report as presented, *passed unanimously.*

7. Conference and Congress:

A. Dhillon stated that next year it will be SOVE's 50th anniversary. He stated the contract with Tenaya Lodge in Yosemite, California has been signed and gave other details.

B. Annual conference 2019: After short discussion, a motion made by Sullivan, second by Mian to authorize Dhillon to select a venue in Puerto Rico and hold the 2019 SOVE conference there, *passed unanimously.*

C. 8th International Congress: Some suggestions were made to hold the 8th International Congress of SOVE in Austin, Charleston, Florida. This issue will be discussed at a later time.

8. Concurrent Sessions:

A discussion ensued to whether concurrent sessions should be held at SOVE conferences. It was generally accepted that may be at the International Congress on one day we could hold two concurrent sessions but not at the annual conferences. It was suggested that we should send a survey to membership to seek opinion.*Minutes cont'd on p. 11*

Minutes cont,d from p. 10.

9. Acceptance of By-Laws:

Dhillon stated that the bylaws have been approved by membership with only 1 nay. He requested the Board to accept the bylaws and make effective on October 5, 2017. A motion by Unlu, second by Xue to accept the approval of bylaws by membership and make effective October 5, 2017 after the business meeting, *passed unanimously.*

10. Paying Board of Directors:

Dhillon expressed that it will be a bad precedent to pay any Board member for their activities. He also stated that if any Board member incurs expenses it should be paid to the Board member which is already an existing policy of SOVE. The Board was in agreement that each member accepts his/her responsibility as a volunteer and should not be paid any compensation. However, any expenses accrued by any member for performing their duties should be paid with a proof of receipts. No further action is needed.

11. Replacement of Board of Directors:

Dhillon recommended to start the rotation of Board of Directors. Due to their length of service and term limits, he recommended to replace Director Foster and Presley as their terms expired. He stated that he has discussed this issue with incoming President Mian. Mian recommended to approve Drs. Nicole Achee and Melissa Garcia Nolan as the new Directors. The Board unanimously agreed. Also, ESOVE has already elected Alexandra Chaskopoulou to replace Veronesi.

12. Student Member on the Board:

The Board agreed the appointment of students to the Board is a good idea but we need to work out the details.

13. Student Newsletter Column:

Board agreed but we need to work out the details.

14. Contracts:

1. Dhillon indicated that Valerie Montigny’s contract needs renewal. He recommended to approve her contract at \$14,000.00 per year. Motion by Unlu, second by Mian to approve Valerie Montigny’s contract with an annual compensation of \$14,000.00 for 2018, was *passed unanimously.*

2. Dhillon stated that Marian Shannon and Valerie Montigny carried out lots of additional responsibilities regarding the 7th International Congress and recommended to award \$1,500.00 honorarium to Marian Shannon and \$1,000.00 honorarium to Valerie Montigny. A motion made by Mian to approve honoraria to Montigny and Shannon, seconded by Kumar, was *passed unanimously.*

15. Budget Approval:

After short discussion, a motion by Mian, second by Kline to approve 2018 budget as presented was *passed unanimously.*

Replying to Veronesi’s inquiry about the ESOVE account, Dhillon stated that the amount of the ESOVE account was listed at the bottom of the budget. This money will be used strictly for ESOVE activities. He also stated that some of the money from this account was used to visit the venue in Mallorca for the 7th Congress.

16. Approve and ratify actions passed via electronic vote:

—Motion by Kline, second by Sullivan to ratify all actions from 16a thru 16g, *passed unanimously.*

—Motion by Bernier, second by Mian to authorize Paulo Pimenta and Major Dhillon to attend the So. American chapter of ASTMH in Peru for expanding the Brazilian SOVE to So. America and to authorize the related expenses, *passed unanimously.*

—Motion by Bernier, second by Mian to establish a 10-year membership for one time membership dues of \$70 for So. American, African and Indian sub-continent regions, *passed unanimously.*

—Motion by Mian, second by Mulligan to approve By-law revisions, *passed unanimously.*

.....**Minutes cont’d on p. 12**

Minutes continued from p. 11.

—Motion by Dhillon, second by Bernier to approve establishment of the Indian Region of SOVE. *passed unanimously.*

—Motion by Bernier, second by Dhillon to accept the theme for the 7th Congress: “New Technology Conquering Old Vectors?” *passed unanimously.*

—Motion by Mulligan, second by Mian to hold next year’s annual conference in California and authorize Executive Director to choose a venue and negotiate the contract with a hotel to hold next year’s annual conference, *passed unanimously.*

—Motion by Mulligan, second by Mian to authorize Executive Director to negotiate contract with Tenaya Lodge in Yosemite, California to hold the 2018 SOVE conference, *passed unanimously.*

17. New Items to Agenda:

1. Authorize Bill Van Dyke as signatory to SOVE accounts. Dhillon explained the need to add Van Dyke to SOVE account. Without any further discussion. Motion by Mian, second by Unlu to authorize Bill Van Dyke as a signatory for SOVE accounts, *passed unanimously.*

2. Kumar addressed how to define subcontinent regions. It was previously agreed that Asian SOVE should not include any members from Indian subcontinent. We will visit this issue if it becomes necessary.

18. New Officers Announcement:

Dhillon announced that Lyle Petersen was elected as the new Vice President of the SOVE. Alexandra Chaskopoulou, Melissa Garcia Nolan, Nicole Achee and Gunter Muller will be the new Directors.

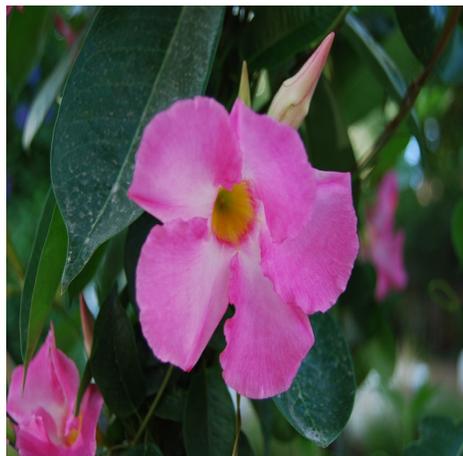
19. Adjournment:

President Kaufman adjourned the meeting at 6:20pm.

I certify that the above minutes substantially reflect the action taken by the Board of Directors at the meeting held on October 1, 2017.

Major S. Dhillon

Major S. Dhillon, Ph.D.
Executive Director



Minutes of the SOVE Annual Business Meeting

SOCIETY FOR VECTOR ECOLOGY

Melia Palas Atenea Hotel

Palma De Mallorca, Spain

October 5, 2017; 7:00 pm

Call to Order: President Michael Kaufman called the business meeting to order at 7:08 pm. He stated that SOVE was in a sound financial situation. That the 7th International Congress was a big success and he thanked Norbert Becker, Miguel Miranda Chueca, Bulent Alten, Major Dhillon and all the sponsors. He also stated that SOVE was proud to sponsor many students.

Approval of the Minutes: Without any discussion, a motion by Mulligan and seconded by Sullivan to approve the minutes of the business meeting held in Anchorage, Alaska on September 14, 2016, was *passed unanimously*.

Financial Report: Executive Director Dhillon discussed the financial report in detail. He further reported that next year SOVE will celebrate its 50th anniversary. The conference will be held at the Tenaya Lodge, Yosemite, California on October 6–11, 2018. He also provided the following information: Euro SOVE conference will be held in Palermo, Sicily tentatively scheduled for October 22–25, 2018. Indian SOVE will be held in Goa, India, February 13–16, 2018.

The Brazilian and Asian SOVE dates will be decided at a later date.

He discussed the financial report in detail.

He thanked all the sponsors by name for their support. He also thanked Dan Strickman and Peter Berry of the Gates Foundation for their special dedication to SOVE.

A motion by Xue, seconded by Sullivan to approve the financial report, was *passed unanimously*.

Any other items: No other item was discussed.

Change of gavel: Incoming President Lal Mian presented a plaque to the outgoing President Michael Kaufman. He thanked him for his service, dedication and leadership of the SOVE.

Introduction of Board: Mian thanked the outgoing Board of Directors and introduced the incoming Directors:

—Uli Bernier – President Elect

—Lyle Petersen – Vice President

—Nicole Achee – Director, North Central, USA

—Melissa G. Nolan – Director, South Central, USA

—Alexandra Chaskopoulou – Director, Europe

—Gunter Muller – Director, Asian SOVE

Mian also mentioned that the title of Secretary/Treasurer for Dhillon has changed to Executive Director. He thanked all Directors and especially Dhillon and indicated that he is looking forward to working with the Board and SOVE members.

Adjournment: Mian adjourned the meeting at 7:22pm.

I certify that the above minutes substantially reflect the action taken by the Board of Directors at the meeting held on October 5, 2017,

Major S. Dhillon

Major S. Dhillon, Ph.D. Executive Director

OBITUARY

MICHAEL W. SERVICE

1933 - 2017

Professor Michael W. Service passed away on December 10, 2018 at the age of 84. He was born in 1933 in South Norwood, near London, in the United Kingdom. He obtained his early education in applied entomology at Imperial College, London, earning a B.Sc. (Honors) degree in 1955. After graduation, he joined the Malaria Service in Lagos, Nigeria till 1960. He married his wife Wendy in 1957. In 1960 he and his wife moved to Kaduna to work at the West African Institute of Trypanosomiasis Research till 1963. During this period, he studied for his Ph.D. from the University of London. Upon his return to the UK, he worked at the Dorset Naturalist's Trust at Brownsea Island, to advise and control of mosquitoes and other biting insects for some time before he joined the Monks Wood Experimental Station near Cambridge where he was able to get a WHO grant to study the behavior of the main malaria vector, *Anopheles gambiae*.

In 1973, he joined the Liverpool School of Tropical Medicine to teach medical entomology to both graduate and diploma students. While he traveled extensively in pursuit of his research he visited some 55 countries before his retirement in 1997. During this period, he also wrote his Medical Entomology for Students book in 1980.

As an ardent member of the Society for Vector Ecology (SOVE), he participated in our conferences and we all benefitted from his valuable experiences in the field of vector ecology. Mike was also credited as one of the Founding Fathers of the of the Euro SOVE. It was on the sidelines of the 1986 International Congress of Entomology in Hamburg, Germany, that Mir S. Mulla (University of California at Riverside), Mike Service (Liverpool School of Tropical Medicine, UK) and Norbert Becker (German Mosquito Control) first discussed the possibility of establishing a SOVE region in Europe, which became a reality later that same year. For his contributions to vector ecology, Mike received the SOVE Distinguished Achievement Award in 1993, followed by his service recognition as President of the SOVE in 1997. Among other professional recognitions, he received the Sir Samuel Rickard Christophers Medal in 1997 from the Royal Society of Tropical Medicine and Hygiene and the Harry Hoogstraal Medal in 2002 from the American Society for Tropical Medicine and Hygiene. Members of the SOVE in particular and medical entomology in general will always be indebted to Mike for his contributions to the field of vector ecology. Finally, we offer our sincere condolences to his wife, Wendy and his family.

Norbert Becker
Major Dhillon

Please mark your calendar
with the forthcoming

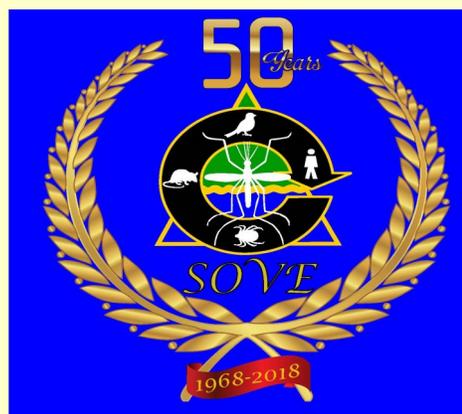
48th Annual Conference

Society for Vector Ecology

October 8-11, 2018

Tenaya Lodge, Yosemite National park

California



For Your Calendar

The 84th Annual Meeting of the American Mosquito Control Association will be held February 26—March 2, 2018 in Kansas City, MO,

The 105th Annual New Jersey Mosquito Control Association meeting will be held at the Ballys in Atlantic City, NJ; March 14 - 16, 2018, reporting Unlu

Jobs

Assistant Professor

Wanted a tenure-track Assistant Professor in Environmental/Occupational Health at the Dept. of Health Science and Human Ecology, California State University, San Bernardino, CA. For complete job description and application process, follow the link:

<https://www.governmentjobs.com/careers/csusb/jobs/1905220/health-science-environmental-health-science-assistant-professor-tenure-track?page=2&pagetype=transferJobs>

Resources

FREE Resources for Investigators are available!

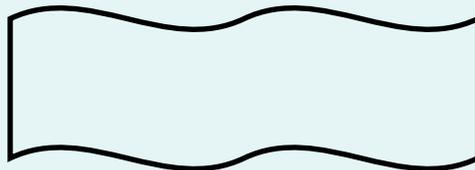
Please visit:

<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](mailto:acostero@niaid.nih.gov)





Society for Vector Ecology

1966 COMPTON AVENUE
CORONA, CA 92881-3318

Phone: 951-340-9792
Fax: 951-340-2515

valerie@sove.org

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

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.

SOVE Board Members, Editors, Webmaster

2016-2017 SOVE BOARD

President

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

President-Elect

Uli Bernier, Ph.D.
uli.bernier@ars.usda.gov

Vice-President

Lyle Petersen, MD, MPH
lxp2@cdc.gov

Past-President

Michael Kaufman, Ph.D.
mkaufman@msu.edu

Executive Director

Major S. Dhillon, Ph.D.
mdhillon@northwestmncd.org

Secretary

Valerie Montigny
valerie@sove.org

Webmaster

William Van Dyke, MPH
bvandyke@northwestmncd.org

BOARD MEMBERS-

REGIONAL DIRECTORS

US REGIONS

Northeastern USA

Isik Unlu, Ph.D.
iunlu@mercercounty.org

Southeastern USA

Rui-De Xue, Ph.D.
xueamcd@gmail.com

North Central USA

Nicole Achee Ph.D.
nachee@nd.edu

South Central USA

Melissa Nolan, Ph.D.
mnolan@bcm.edu

Northwestern USA

David Sullivan
zanusco1@msn.com

Southwestern USA

Steve Mulligan
conmad@pacbell.net

AFFILIATE REGIONS

Asian-SOVE

Gunter Muller, Ph.D.
guntermuller@hotmail.com

European-SOVE

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

Indian Subcontinent-SOVE

Ashwani Kumar, Ph.D.
ashwani.kumar@gmail.com

Latin American-SOVE

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

EDITORS

Journal Editor

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

Newsletter Editor

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