



SOVE Newsletter

Outgoing President's Message



Greetings to all from Michigan during the first few days of autumn. We've been dealing with an extended stretch of temperatures in the 90s here, and because I'm writing this prior to the Mallorca meetings, I have to say with some irony that I'm looking forward to the meeting venue partly because of the cooler temperatures there. Climate change indeed!

Since this is my farewell column for the newsletter, I'd like to begin by thanking everyone for their support and guidance. I feel privileged to have been able to serve as an officer in SOVE and look forward to continued interactions after I join the past-presidents' club. The president's job, if one can call it that, is made easy through the hard work of the board members and support staff. I would like to give special thanks to Major Dhillon and Valerie Montigny who walked me through procedural issues and were there to answer questions and provide information throughout. They, along with Bill Van Dyke who handles meeting logistics and more, Marc and Anne Klowden who keep putting together our fine journal and Lal Mian, our incoming president who also serves as newsletter editor are really the backbones of the organization. (I owe additional thanks to Dr. Mian who tolerates my not-exactly-on-time contributions to the newsletter.),

I stated at the beginning of my term that my main goal was to not screw things up. I'm happy to report that we still exist as an organization and (to my knowledge) are in great shape. So, mission accomplished! This, of course, should be true of any good organization – it thrives regardless of any change in personnel. SOVE is successful because it offers a great venue for scientists in an expanding field and continues to be an interaction platform through its annual meeting that is truly unique and relaxed compared to other national meetings. My recommendation is to keep the vehicle running in the same direction while tinkering with refinements. As I've said previously, these refinements should stress more direct student involvement. Some of us have already discussed the idea of placing a student on the board of directors and we should strongly consider that in spite of the logistical constraints (e.g., formation of an active student network within SOVE). I would also like to propose that students be more involved in suggesting and/or leading symposia other than their own. Perhaps trying to tailor a few sessions to student input would help increase their attendance beyond the prospects of travel stipends. Obviously, they represent our future, but beyond that, we might all benefit from their perspectives.

Any mention of increasing involvement might lead to considerations of increasing our size, and I think the idea of more members through international

.....*presidential message cont'd. on p.2*

In this issue

| | |
|---|--------|
| Outgoing President's message | 1,2 |
| Regional reports : Northeastern | 2,7 |
| Regional report: Southeastern | 3 |
| Regional report: European SOVE, Indian SOVE | 5-7, 6 |
| Sixth SOVE Congress-Program | 8-9 |
| Obituary: Lawrence Lacey | 10 |
| Calendar, jobs, resources, About SOVE | 11,12 |

INCOMING PRESIDENT'S MESSAGE



Dear Colleagues,

Greetings to all members of the SOVE family! This is that time of the year that we pack up and go to the SOVE annual conference or 4th yearly congress. Next week we will be meeting for the 7th SOVE Congress at the Island of Mallorca, Spain. Mallorca is a beautiful, tourist attraction with a high number of yachts as described by a friend who recently visited the Island by a cruise line. While the Island offers its amenities to all visitors alike, this year's visitors include one called SOVE—a family of dedicated educators, researchers, practitioners, and students, whose mission is “solving complex problems in vector biology and control.” This year's Congress is composed of 17 symposia and a field ecology day. Fitting into the congress theme, “technology and disease,” the symposia focus on molecular strategies for mosquito-borne diseases, old and new disease and new technology, insecticides and repellents, role of arthropod saliva in disease transmission, integrated vector management, kissing bugs and Chagas, malaria, mosquito taxonomy and phylogeny, novel approaches to parasite species identification, vector control-barrier treatment, sand fly saliva and vector competence, global research on *Culicoides* biology and control, two student presentation sessions, and a brokerage event.

Putting together a congress of this magnitude is a daunting task and many of our members have extended their support in multiple ways. My hat goes off to congress president Norbert Becker and scientific program organizer Bulent Alten for their outstanding leadership and passion. Members of the local organizing committee headed by Miguel Chueca deserves due recognition for their dedication and hard work. While most people would not realize, but from behind the scenes the SOVE Board of Directors, Executive Director, and SOVE Headquarters staff especially Bill Van Dyke, Valerie

Montigny, deserves due recognition for their outstanding services.

While most of us right now focus on the Congress starting this Sunday, our next year's conference will be exciting due to the SOVE 50th Anniversary. Next year's conference will be held in a picturesque resort at Yosemite Park in California, the birth State of the SOVE. Working together through the past two years as vice president and president-elect, I would like to thank President Michael Kaufman for his dedication and outstanding leadership in sailing the SOVE-family boat smoothly and bump-free during his presidency. And Michael, I will remember one take from your message “...to not screw things up,” thank you. I also thank Uli Bernier for his time contribution to the Society matters and congratulate Lyle Peterson on his election as vice president. Last but not least, I offer my unconditional admiration and whole-hearted support to our executive director, Major Dhillon, for his outstanding leadership and wise direction to safeguard the fiscal interest of the Society.

Looking forward to seeing you at the Congress,

Cheers,

Lal Mian

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Continued from p. 1:

regions is both wise and inevitable. However, I think we should be cautious in determining how much growth is, to overuse a term, sustainable. I would argue that if we reach the point of having concurrent sessions at our annual meetings and multiple, different sites for our field day excursions, then perhaps we will have changed the character of SOVE irreparably. My apologies to members of the organization, but do we want to become the fall version of AMCA?

By the time this is in print, we will have celebrated a great international conference in Mallorca and will be looking forward to next year's 50th anniversary meeting in Yosemite. I will enjoy seeing you all again in California next year, and thanks again for the opportunity to serve.

I'll end by welcoming Dr. Lal Mian as the new SOVE president and congratulating Dr. Lyle Peterson as the new vice president. We're in good hands with them, and they will find their roles fully supported by the entire SOVE family.

Best wishes,

Michael Kaufman



Regional Reports



NORTHEASTERN USA

ISIK UNLU, regional director

Summers are typically hot and humid with average high temps between 82-88 degrees and lows between 62-70 degrees in Mercer County; however temperatures exceed 90 degrees on average 25 times a year and occasionally surpass 100 degrees. This summer proved to be spot on, in terms of temperatures. Afternoon highs frequently soared well into the 80s while overnight lows typically dropped into the 60s. The average temp was 72.5 degrees. While there were several hot spells, there were no prolonged heat waves lasting a week or longer. Summer 2017 may have seemed to be a cool summer, because 11 of the most recent 15 summers were all warmer. Furthermore, last summer Trenton had a remarkable 50 days where temps reached 90 degrees, while this year the number lowered to a reasonable 17 days. The summer precipitation norm between June, July, and August is about 12 inches. This year, close to 13 inches of rain fell, which is slightly above normal. All this translated into a high number of service request calls in the early summer, which coincided with an increase in *Aedes vexans* populations. Although we saw *Ae. albopictus* in our BGS traps 3 weeks earlier than usual, peak activity occurred in mid-July, similar to previous years. We purchased a Buffalo Turbine and integrated truck mounted larviciding to our operation. We are an urban county and during *Ae. albopictus* peak season, we do not have the resources to eliminate containers with door-to-door source reduction campaigns.

State Mosquito Control Commission update (Scott Crans)

The 2017 mosquito season is quickly coming to a close here in the Northeast. In general the season was relatively busy from an adult mosquito population perspective. Frequent and often heavy rain events hatched floodwater mosquito eggs across much of the state. The resulting adult mosquitoes kept local programs busy addressing resident service requests. Arbovirus surveillance indicated a relatively normal to slightly below nor-

mal season initially. However, in recent weeks this activity has increased with the resulting trends indicating an average to slightly above average season.

Interestingly, Zika virus in the press on an almost daily basis in 2016 faded considerably from the public eye as the 2017 season slowly unfolded. This was anticipated and welcome as a great deal of preparation went into preparing to manage the situation over the past year and a half. Capacity building efforts continued with the support of Federal funding. Engaging the public to actively participate in the process has paid off for some local control efforts. Stressing the importance of avoiding mosquito bites where people live work and play has likewise resonated with concerned residents. Public health and vector control programs joined forces in delivering a consistent message that addressed the threat in simple terms. Water plus seven days equals mosquitoes. Add in a sugar source and a suitable host and container inhabiting mosquitoes have everything they need to complete their life cycle without leaving the backyard. Don't let mosquitoes bite you while traveling in areas where Zika virus is spreading and more importantly, from our local perspective, don't let mosquitoes bite you following these traveling events.

Building on 2016 efforts the NJ State Mosquito Control Commission through the New Jersey Department of Environmental Protection's Office of Mosquito Control Coordination facilitated efforts to move needed funding through the public health network out to local vector control programs. In all, \$690,000 was made available on a reimbursement basis to help build capacity for Zika virus surveillance and control. The process of moving funds to those in need is time consuming. The reimbursement approach speeds up the ability to put resources into the field where and when needed while the necessary bureaucratic processes are addressed. It took 34 individual local program grants, but we were indeed successful in providing needed resources to those programs that applied for aid over the past two mosquito seasons. As is often the case we are just now finishing up the paperwork to pay for it all. Twenty of the 21 local vector control programs par
.....continue on p. 7

Regional Reports



SOUTHEASTERN REGION

Rui-De Xue, regional director

After hurricane Irma, mosquito control districts in south Florida had the different levels of damage and will gradually recover to an operational level. The flood water mosquito population may have an outbreak soon. Several counties have started aerial spraying already.

Up to September 18, 2017, there are a total of 172 Zika infection in Florida, of which 132 travel-related, 10 locally-acquired infections exposed in 2016 and tested in 2017, and 101 pregnant women with lab-evidence reported.

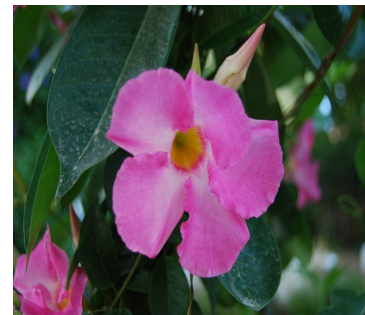
AMCA/CDC training hub host at Anastasia Mosquito Control District (AMCD), St. Augustine, Florida trained a total of 69 people for certification for trainers in late July and August. Dr. Dan Kline, Past President of the SOVE, Mr. Wayne Gale, President of the AMCA, Dr. Roxanne Connelly, Past President of the AMCA, State Medical Entomologist Mrs. Adriane Rogers, and AMCD staff gave teaching at the classes.

The 15th Arbovirus Surveillance and Mosquito Control Workshop in conjunction with the NE 1443 Regional Project's 4th annual meeting and the FMCA's NE regional meeting will be held at AMCD, St. Augustine, FL, March 20-22, 2018. More information about the workshop has been published at the website at www.amcdsjc.org

Florida Entomology Society (FES at www.flaentsoc.org) has scheduled their 2018 annual meeting at World Golf Village, St. Augustine, FL, July 22-25, 2018. Florida Mosquito Control

Association (FMCA at www.floridamosquito.org) will change the annual meeting location from Duck Key due to hurricane Irma damage, but the date will be the same on November 12-15, 2017. The FMCA will announce the new meeting site soon.

Bill Petrie, former director of the Cayman Islands' Mosquito Control and Research Unit, has been hired to lead Miami-Dade County's mosquito control division, beginning on Aug. 14, 2017. Welcome Petrie on Board. Dr. Roxanne Connelly will leave her current Professor & Extension Medical Entomologist position at UF/FEML, Vero Beach, FL for a Chief Entomologist position at CDC/DVBD in the middle of October. Let us congratulate and wish her good luck at her new position.



Regional Reports



EUROPEAN SOVE

Eva Veronesi, regional director

Dear Colleagues and Friends,

A lot of things are going on in Europe at the moment, this summer has been tremendously peculiar in many ways. We experienced not only exceptionally hot temperatures with peaks of 48-49 degrees Celsius in some regions of Italy, but also severe floods and earthquakes causing loss of many people. It seems that nature is really showing its strongest side all over the globe at the moment, I am also referring to the sad situation that the Caribbean islands and Florida have just experienced with Hurricane Irma and in Mexico with a devastating earthquake. Moreover, the discovery of *Aedes albopictus* for the very first time in some part of Europe, together with autochthonous cases of malaria in Italy and Cyprus, and chikungunya (CHIKV) in Italy, have really caught the attention of the media. The autochthonous case of malaria in Italy was a child that unfortunately lost her life. The dynamic of the infection is still not clear and under investigation, but what is known that the child got infected in Italy. Few cases of autochthonous malaria have been just declared in northern Cyprus, although the mode of infection is still unclear. Moving to arboviruses, new cases of autochthonous CHIK have been declared last month in Italy, with initial circulation in the southern (Lazio) region, but recent news confirmed more cases in the northern part close to the city of Milano. The main vector of CHIKV (*Ae. albopictus*) is very abundant in these affected areas easily rendering the transmission of pathogen when new cases are present on the territory. Chikungunya virus was also recorded in the southern part of France late August this year (Provence-Alpes Côte d'Azur). At the time I am writing this newsletter, more human WNV cases have been recorded in the Region of Peloponnese (South Greece). Thirty-seven laboratory diagnosed cases of WNV infection have been reported to Greek CDC, nineteen of which presented with neuro-invasive disease. Among the neuro-invasive disease cases, three deaths were reported in patients >70 years old. Luckily no new cases of autochthonous arbovirolosis in Spain, but still WNV is circulating among birds.

Aedes albopictus continue to appear in the UK since its very first appearance last year (September 30, 2016) followed by

the recent discovery in Gibraltar (Promed-mail arch. N. 20170827.5277302) and the Netherlands where, although last year's site was negative (Veenendaal), its presence was confirmed in a new area of the country (Aalten neighbourhoods), thanks to passive surveillance of citizen contribution.

Finally, here is some good news in terms of scientific achievements. In a recent collaborative work, Romeo Bellini and John Vontas and their research teams identified diflubenzuron resistance in *Culex pipiens* from Italy, in areas heavily sprayed with this active ingredient for many years. Mutations in the chitin synthase gene, with extremely high resistance potential, were found to be associated with the phenotype and functionally characterized by CRISPR/CAS9 methodologies. The selection of the phenotype seems to be evolving rapidly in certain regions in Italy, although molecular diagnostics and appropriate resistance management strategies will now be applied, to delay and geographically restrict the phenomenon. The finding adds new concerns regarding the ongoing trend in the reduction of available and reliable biocides for mosquito control. Interesting updates on the control of invasive mosquitoes species (IMS) in the Mediterranean area are coming from LIFE CONOPS project (LIFE CONOPS-LIFE12 ENV/GR/000466 co-funded by the EU). Since July 2013, the project is raising awareness and promoting actions focusing on the early detection and immediate suppression of IMS in Greece and Italy. Operational IMS Management Plans (IMS-MP) have been developed by the LIFE CONOPS team with the aim to provide an easy-to-use-tool serving the local/regional bodies responsible for IMS management. Collaborations with key stakeholders, such as authorities at points of entry (ports - airports) and companies trading used tires have been established and new prototype trap have been developed and activated in 12 point of entries in Greece and Italy. Moreover, the Greek and Italian members of the LIFE CONOPS project are currently working to test the larvicidal and repellent effect of a new extract of the typical Mediterranean plant oregano showing high activity against mosquitoes. Laboratory tests have been conducted by Benaki Phytopathological Institute (BPI, Greece) while field tests addressing repellency as well as larvicidal activity are in progress by Centro Agricoltura Ambiente "G. Nicoli" (CAA, Italy), Agricultural

.....cont'd as E-SOVE on p. 6

Regional Reports



Greeting!

I am pleased to report that the SOVE Indian Region has been established with its office at the Indian Council of Medical Research-National Institute of Malaria Research, Panaji-403 001, Goa, India. The constitution of the new region has been framed.

The SOVE Indian Region has been granted permission under registration No. 250/Goa/2017 under Societies Act of 1860. In the third week of Sept. 2017, it has also been granted registration by the tax authorities under the newly enacted Indian Goods and Services Tax Act. Soon, permission is also expected under the Foreign Exchange Regulatory Act, granted by the Indian Union Ministry of Home Affairs, which is mandatory for transacting foreign currency.

The Executive Board of 10 members with myself as its director has been constituted. An advisory board of national and international advisors is also being constituted. With passing of the resolution and permission of the Board, the society's bank account is now operational in a nationalized bank. The activity schedule of the region for the fiscal year 2017-18 is being prepared.

The Membership drive has been initiated with full gusto and a list of 50 members who evinced keen interest

SOVE INDIAN REGION

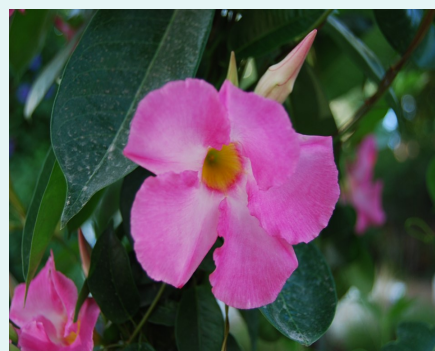
Ashwani Kumar, regional director

in joining the SOVE region has been forwarded to SOVE Headquarters in the USA. The membership target for the year 2018 is set at 100.

The Inaugural meeting of the region will be held February 13 - 16, 2018 at touristic and serene Goa, India. All out preparations have begun for the meeting with the finalization of Hotel Fidalgo in the capital Panaji, Goa as its venue. Participation of about 150-200 delegates from India and abroad is expected. The website of SOVE (Indian Region) is under construction.

Best wishes,

Ashwani Kumar



Regional Reports con'd

.....continued from p. 3

all. Twenty of the 21 local vector control programs participated in these funding efforts meeting mandatory deliverables. Asian tiger mosquito trapping data has been shared by all 21 New Jersey mosquito control programs. All agencies receiving aid provided five years' worth of local funding and program resource data establishing budget and staffing trends. Their staff attended professional meetings, developed Zika action plans and participated in insecticide resistance screening of local mosquito populations. All was accomplished prior to the end of the Federal work period governing the use of CDC ELC funding. As a result, these local programs are a little stronger and State programs more prepared for what we hope doesn't come our way anytime soon. Fortunately, as of this writing at least, we have no evidence that Zika virus has found its way into local mosquito populations here in New Jersey. We hope insecticide screening efforts at the local level will continue and plan to support these efforts where appropriate.

Central Massachusetts Mosquito Control Project update (Timothy D. Deschamps Executive Director)

To date Massachusetts has identified 267 West Nile virus pools out of over 5,000 tested, mostly in *Culex pipiens/restuans*. 155 communities in 11 counties (44% of the state) are now at "Moderate" risk (level 2), with urban areas such as Boston, Worcester, Springfield and Pittsfield showing WNV positives almost every week. Only one human case has been confirmed, a resident of Bristol County, and no horse cases have been reported. Most districts have suspended standard adulticiding operations, but remain on standby if and when virus is reported in their area. EEE has been quiet in the Commonwealth, with only one pool confirmed thus far in *Cs. melanura*. The drought that state experienced over the previous 18 months has ended, and indications are that *Cs. melanura* populations have begun to rebound. With EEE activity in other areas of the Northeast this year, this bears watching for the 2018 season. Temperatures have been unseasonably warm the past few weeks, so additional virus exposure is a concern, and personal protection measures have been the standard public service message along with cover & drain messages. *Ae. albopictus* has been found in additional areas, and districts have employed additional surveillance and control procedures to monitor this invasive species. Several districts including Central Mass. and Norfolk County are running field trials to determine the extent of larval control of *Coquillittidia perturbans* using spinosad or *Bs. sphaericus*. The Northeastern Mosquito Control Association will hold their annual meeting in Plymouth, MA from December 4-6, 2017. Check www.nmca.org for more details. Isik Unlu

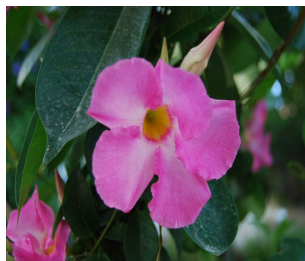
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Last but not least, Infravec2 online portal is now available (<https://infravec2.eu/>)! You can start to order your product, training courses, or infrastructure access by shopping online at no cost for you! Shop at Infravec2 online product store (<https://infravec2.eu/products-infravec2-new/>) and check out for your orders with a brief scientific justification, evaluated by a selection committee. This amazing innovative multidisciplinary project is funded by the EC (European Union's Horizon 2020 research and innovation program, grant agreement No 731060) who covers the cost of your orders. More than 150 countries in Europe and outside EU are eligible. Please visit the website for more information and to apply for your request.

And if you are interested to know more about ongoing conferences in Europe and around the worlds, please visit this page <https://infravec2.eu/conferences/>.

See you in Palma for the International SOVE Congress and I wish you all a nice autumn, full of beautiful colored leaves.

Eva Veronesi



Please mark your calendar
the forthcoming

7th Congress of SOVE

October 1-6, 2017

Palma, Mallorca Island

Spain

Below is a Tentative Congress Program

Sunday-October 1, 2017

12:00-6:00 PM *Registration*

4:00-5:30 PM *Board Meeting*

Possibility of a symposium

Monday-October 2, 2017

8:00 *Opening of the Congress*-Norbert Becker

Scientific Program/Moderator-Bulent Alten

Welcome Address-Miguel Angel Miranda Chueca

Awards-Bulent Alten

Presidential Address-Michael Kaufman

Announcements-Major Dhillon, Executive Director

9:20-10:00 *Keynote Speaker*-Willy Wint

10:00-10:30 *Break*

10:30-12:30 *Symposium 1*-Molecular Strategies for the Control/Eradication of Mosquito-borne Diseases

Chairs: Greg Lanzaro and Andrea Crisanti

12:30-1:30 *Lunch*

1:30-3:10 *Symposium 2*-Old diseases, new diseases and new technology

Chairs: Ben Beard and Paulo Pimenta

3:10-3:40 *Break*

3:40-6:00 *Symposium 3*-Insecticides and Repellents

Chairs: Mustapha Debboun and Ulrich Bernier

6:00-7:00 *Symposium 4*-Role of Arthropod Vector Saliva in the Transmission of Human Pathogens

Chairs: Nathalie Boulanger and Adriana Costero-Saint Denis

Program cont'd on p. 9

CONGRESS PROGRAM cont'd from p

Tuesday-October 3, 2017

8:30-9:10 *Keynote Speaker*-Koray Ergunay

9:10-11:40 *Symposium 5*-Integrated Vector Management

Chairs: Bob Novak and Norbert Becker

11:40-12:10 *Break*

12:10-1:50 *Symposium 6*-Ticks

Chairs: Marieta Braks and Jolyon Medlock

1:50-2:50 *Lunch*

2:50-3:50 *Symposium 7*-Kiss of Death: Triatomines and Trypanosoma cruzi

Chairs: Melissa Nolan and Silvia Moriana

3:50-4:20 *Break*

4:20-6:00 *Symposium 8*-Malaria: Can it be eradicated in the next 20 Years?

Chairs: Dan Strickman and Carlos Aranda

Wednesday-October 4, 2017

Field Ecology Day- No Symposium

Thursday-October 5, 2017

8:30-10:00 *Symposium 9*-Student Presentations

Chair: Casey Parker

10:00-10:15 *Break*

10:15-11:45 *Symposium 10*-Student Presentations

Chairs: Gizem Oguz and Carlos Barceló

11:45-12:00 *Break*

12:00-1:00 *Symposium 11*-Taxonomy and phylogeny of mosquitoes

Chairs: Francis Schaffner and Yvonne-Marie Linton

1:00-2:00 *Lunch*

2:00-4:00 *Symposium 12*-Vector Projects in the World

Chair: Veerle Versteirt

4:00-4:15 *Break*

4:15-6:15 *Symposium 13*-Novel Approaches towards species identification of parasitic arthropods

Chairs: Vit Dvorak and Claudia Paredes Esquivel

TBD *Symposium 14*- Brokerage Event

Chair: Miguel M. Cheuca

Friday-October 6, 2017

8:30-10:00 *Symposium 15*-Vector control strategies against mosquitoes and biting flies: Attract and kill technologies, barrier treatments and space sprays

Chairs: Dan Kline and Alexandra Chaskopoulou

10:00-10:30 *Break*

10:30-12:00 *Symposium 16*-Focus on Sand flies-Saliva, microbiome and vector competence

Chairs: Fabiano Oliveira and Petr Volf

12:00-12:30 *Break*

12:30-2:15 *Symposium 17*-Global Research on Culicoides Biology and Control

Chairs: Miguel Angel Miranda and Alec Gerry

END

OBITUARY



Dr. Lawrence A. "Lerry" Lacey was born on September 27, 1946 in Oakland, CA to Leonard and Patricia Lacey. He was a Vietnam Veteran, serving in the U.S. Air Force from 1964-68. Lerry earned a B.S. in Biology from California State University in 1973, a M.S. in Medical Entomology in 1975, and a Ph.D. in Insect Pathology and Medical Entomology in 1978, both from the University of California, Riverside. He was internationally active for 38 years working in medical entomology, insect pathology, and microbial control of economically and medically important insects. He wrote or co-authored over 200 publications, including 149 refereed papers and numerous book chapters in medical entomology, agricultural entomology and insect pathology, and 8 edited and co-edited books. From 1978-1996 Lerry's research was based in the U.S., the Amazon Basin of Brazil, West Africa, the Azores of Portugal, and Southern France, and included extensive foreign exploration for natural enemies of invasive insects that had entered the U.S. Beginning in 1996 he implemented a comprehensive insect pathology program for the control of insect pests of tree fruit and potato in the Pacific Northwest. In 2008 he was designated as a Fellow of the Entomological Society of America and in 2012 was elected as an Honorary Member of the Society for Invertebrate Pathology. He "retired" from the USDA in January 2011 and went on to work as a consultant and lecturer in microbial control and insect pathology. He wrote and edited his 8th book, *Microbial Control of Insect and Mite Pests: From Theory to Practice*, published in 2017.

Lerry loved to travel world-wide, taking business and pleasure trips with family to Europe, West Africa, the Middle

Lawrence A. "Lerry" Lacey

September 27, 1946 - July 27, 2017

Medical Entomologist & Insect Pathologist

East, and Japan in recent years. He enjoyed reading, music, hiking, and being with family and friends at his log cabin in the Pacific Northwest. He shared his love of entomology and gardening with his grandsons – and delighted in their curiosity and wonder as they explored his small orchard and rode with him on his garden tractor.

During his career, Lerry was a member of many professional societies including the American Mosquito Control Association, American Society of Tropical Medicine and Hygiene, Entomological Society of America, Society for Invertebrate Pathology, and the Society for Vector Ecology. In all of these he served on numerous committees. He received numerous appointments and awards during his career, and one of which he was very proud was the Distinguished Alumnus Award for Public Service, which he received from the University of California, Riverside during academic year 1995-1996.

Lerry was preceded in death by his parents Leonard and Patricia Lacey, and his sister Joyce Lacey (Randy). He is survived by his brother Lee Lacey (Vanessa), sisters Joann Henszey (Robert) and Jaculin Swigart (Patrick), wife of 30 years Cynthia Lacey, daughter Mariah Smigaj (James), sons Eric Lacey and Alexander Lacey (Nancy), grandsons Edward and Everett, and numerous amazing nieces and nephews.

Lerry was an advocate for education and strongly supported the pursuit and sharing of knowledge. He mentored young scientists at all levels, from 7th grade science projects to Ph.D. post-graduate research, and beyond. In lieu of flowers, memorial contributions may be made in the name of Dr. Lawrence A. Lacey to West Valley Dollars for Scholars and sent in care of Brookside Funeral Home, (PO Box 1267, Moxee, WA 98936). These funds will provide scholarships to West Valley High School graduates wishing to pursue a degree in the life sciences, furthering his goal of nurturing young minds in his community. Online condolences may be left for the family at www.brooksidefhc.com.

Mir Mulla

Department of Entomology
University of California
Riverside, CA 92521, USA

For Your Calendar

The 4th Annual Conference of the Pan-African Mosquito Control Association will be held October 16-18, 2017, in Ougadougou, Burkina Faso. For more info, please contact: <http://events.pamca.org>.

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

Jobs

University of Athens (AUA, Greece) and BPI in Bologna. New upcoming collaborations also in Spain, where CReSA IRTA is working on bioma of mosquitoes, Wolbachia and mosquito vectorial competence as part of INFRAVEC2 and other European projects.

New vacancies have been advertised at the ECDC (Expert Medical Entomology Deadline: 25 Sep 2017 23:59; Vacancy notice: Expert Medical Entomology ; Head of Disease Programme - Emerging and Vector-borne Diseases, Deadline: 25 Sep 2017 23:59 Vacancy notice: Head of Disease Programme - Emerging and Vector-borne Diseases), FLI (Postdoctoral position on vector capacity in the field of arachno-entomology www.fli.de/en) and LSTMED (Program Manager <http://www.lstmed.ac.uk/programme-manager-6>).

If you are interested on increasing your knowledge on zoonosis, there will be the Master Degree in Zoonoses and One Health in Barcelona, Autonomous University: <http://www.uab.cat/web/estudiar/official-master-s-degrees/general-information/zoonosis-and-one-health-1096480962610.html> param1=1345694246010

....reporting *Eva Veronesi*

Vector Ecologist

The Department of Biological Sciences invites applicants for a tenure-track faculty position (academic year appointment at the Assistant Professor level) in Vector Ecology, addressing fundamental questions on the relationships among vectors, pathogens, and hosts. We seek candidates with research interests including (but not limited to) emerging infectious diseases, zoonotic diseases, epidemiology, vector and pathogen evolution, biodiversity-disease relationships, short- and long-term impacts of climate change, population genetics, and land- use changes.

Applicants must have a Ph.D. or equivalent in Biology or related field and relevant postdoctoral experience

The successful applicant is expected to maintain an externally funded research program in Vector Ecology, teach undergraduate and graduate students, and participate in ongoing programs in the Ecology and Evolutionary Biology area and the Department of Biological Sciences.

Applications should be submitted electronically to <https://hiring.science.purdue.edu/> as a single PDF file containing a letter of interest, a detailed curriculum vitae, contact information for three references, a two to three page summary of research interests, and a one-page teaching statement. Purdue University's Department of Biological Sciences is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction and engagement. Candidates should address at least one of these areas in their cover letter, indicating past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. Purdue is an ADVANCE institution. Inquiries should be directed to Prof. Esteban Fernandez-Juricic, Chair, Vector Ecologist Biology Search Committee at (search@bio.purdue.edu) or **Vector Ecologist Biology Search Committee, Department of Biological Sciences, Purdue University, 915 W. State St., West Lafayette, IN 47907-2054**. Review of applications will begin **October 16, 2017** and continue until the position is filled.

Resources

FREE Resources for Investigators are available!

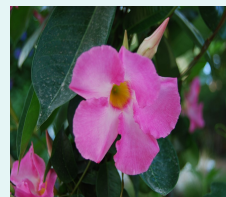
Please visit:

<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





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.

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mkaufman@msu.edu

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lmian@csusb.edu

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uli.bernier@ars.usda.gov

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dan.kline@ars.usda.gov

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mdhillon@northwestmncd.org

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xueamcd@gmail.com

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foster.13@osu.edu

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steve.presley@tiehh.ttu.edu

Northwestern USA

David Sullivan
zanusco1@msn.com

Southwestern USA

Steve Mulligan
conmad@pacbell.net

AFFILIATE REGIONS

Asian-SOVE

Qi-Yong Liu, Ph.D.
liuqiyong@icdc.cn

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