

# The Landing Rate Count

South Carolina  
Mosquito Control  
Association

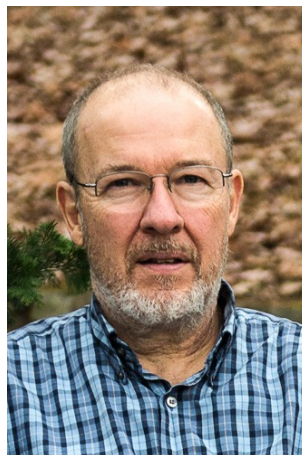
Volume 40 Issue 1

Editor: John C. Grant

## The President's Message by Joe Strickhouser

Greetings to all,

My name is Joe Strickhouser, and while I've know many of you for quite some time; I suspect there are many more that I don't know, or have only recently met. Since 1978 when I was 29 years old, mosquito control has been my full time job. Some of my earliest memories were of mosquito "Foggers" and related equipment in my back yard and traveling with my Dad during summers working on equipment. In 1996, the company that I'd taken over from my Dad, was taken over by Clarke Mosquito Control, another long standing family business from Chicago, and I've worked for them ever since.



I've seen many changes in our industry during this time. We've gone from thermal foggers to Ultra Low Volume (ULV) used for truck mounted spraying. DDT was replaced by malathion and now pyrethroids are the most widely used adulticides. There were no *Aedes albopictus* mosquitoes in the US before 1985, and they are now the dominant complaint mosquito for most control programs. Eastern Equine and La-Crosse Encephalitis are mosquito-borne diseases of great concern in SC. West Nile Virus had never been seen in the US before 1999 but now has become the most troubling arbovirus across most of the US, with many human cases and deaths each year. West Nile Virus did cause many SC citizens to see our control efforts in a more positive light, and for some of us and brought increases in operating budgets. In the last 3-4 years, the state level of involvement in mosquito control has been sharply curtailed in both North and South Carolina. This has effectively eliminated a vast resource of experience and professional support for small and local programs. It also eliminates a central coordinating agency in the case of natural disaster or disease outbreaks. I'm starting to see some areas relying as much on commercial "back-yard spray" efforts as a community-wide approach. These are intended as observations, and not necessarily judgments, good or bad.

My intent is to suggest that as an organization, SCMCA needs to be aware of and embrace the change and reach out to all aspects of our industry. Indeed, with the loss of some state involvement, our organization is likely the best existing venue for knowledge sharing and inter-state coordination. Our goal should be to share our professional knowledge and experience so that the public is best protected from disease and nuisance mosquitoes. Those of you who know of new individuals involved in town or county level programs, please encourage them to become engaged with SCMCA.

Respectfully,

Joe Strickhouser

[jstrickhouser@clarke.com](mailto:jstrickhouser@clarke.com)

P.S. We are seeking a volunteer. Anyone that has skills in Web maintenance or Web design and that might be able to contribute a few hours per quarter, we need

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Make Your Plans Now to Attend the

**SCMCA**

**2014 Summer Workshop**

June 12

Santee Cooper Somerset

Employee Recreation Park

Pinopolis, S.C.

Watch for more details and information

<http://www.scmca.net>

**Sign up NOW for the  
Clarke Mosquito Control Workshop**

**Feb. 27 or**

**Feb. 28**

Check out the 2014  
Events and Meetings

Page for more info.



South Carolina Mosquito Control Association

# Meet your 2014 SCMCA Regional Directors

## Upper Region Representative

### *Julie Davis*

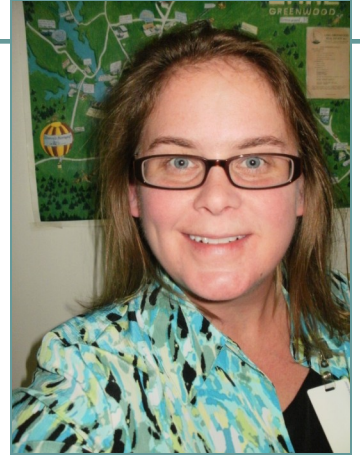
Born and raised in the upstate of South Carolina, Julie Marie Corley Davis has served as Director of Lake Management for Greenwood County since the fall of 2006. Originally from Powdersville, SC, Julie can trace her roots back to Greenwood. When she was young, she enjoyed summers at her aunt's lake house on Lake Greenwood and her father's family still lives in Greenwood.

Lake Greenwood, situated in the foothills of SC is an 11,400 acre lake owned by Greenwood County and bordered by three counties. Lake Greenwood, a FERC licensed project, was created in the late 1930s, and is a treasure for the surrounding communities.

After graduating from Clemson University with a Bachelor of Science in Resource Management and a Minor in Wildlife, Aquaculture, and Fisheries Biology, Julie began her professional career with the SC State Park Service. After working with them for six years, she went back to Clemson and obtained her Master's degree in Parks and Protected Area Management. After graduation, Julie was hired on with Greenwood County when the Lake Management Department was created in 2006.

Julie became one of the first Certified Lake Managers in South Carolina as recognized through the North American Lake Management Society. Along with this, she is a member of the Shoreline FERC group, SC Aquatic Plant Management Society, North American Lake Management Society, and the SC Mosquito Control Association.

When off duty, she travels home to the lake on which she lives, Lake Thurmond, or as most remember it, Clarks' Hill. Lake Thurmond is on the Savannah River in McCormick County on the border between GA and SC. There, she lives with her husband, Matt and two labs, a black lab named "Lizzie" and a chocolate lab named "Chloe". They are out on the lake as often as possible.



## Mid Region Representative

### *Caleb Parker*

Caleb Parker has thirteen years of experience in the pest control industry, working with his family's business--David M. Parker Exterminating, established more than thirty years ago. A certified operator in South Carolina, Caleb earned his bachelor's degree from Augusta State University. He is a member of GPCA, SCPCA, AMCA, as well as the Coastal Conservation Association. In his spare time, Caleb enjoys cooking, fishing and gardening.



## Lower Region Representative

### *Eric DeLuca*

Space reserved for Eric DeLuca of Georgtown County



South Carolina Mosquito Control Association



## SCMCA 2013 Annual Meeting



Dr. Bruce Harrison and Dr. Ken Manuel share refreshments during a break between technical sessions.



Dr. Brian Byrd presents on La Crosse Encephalitis in Western NC,



L.A. Williams discusses mosquito control in South Carolina.



Norm Shea enjoys a beverage at the Biting Time Social.

**The 41st Annual Meeting of the South Carolina Mosquito Control Association took place November 7-8 at the Ocean Drive Beach and Golf Resort in North Myrtle Beach. Approximately 100 members attended technical sessions, “Biting Time” socials and the 2013 SCMCA Awards Banquet. The meeting closed with the passing of the gavel from 2013 President Terrill Mincey to President-Elect Joe Strickhouser.**



Dr. Chris Evans provides information on Chikungunya Virus



American Mosquito Control Association President Dr. Roxanne Connelly, talks on the Future of Public Health Vector Control and Dengue, Drones and GIANT MOSQUITOES!



Herbie Christmas makes a point with L.A. during a break between technical session.



Dr. Bruce Harrison shares his mosquito identification knowledge while discussing Mid-Atlantic Mosquito Identification keys.



Dr. Henry Lewandowski and David Arnold share a few moments prior to the SCMCA Awards Banquet.

## 2013 SCMCA Annual Meeting Award Recipients



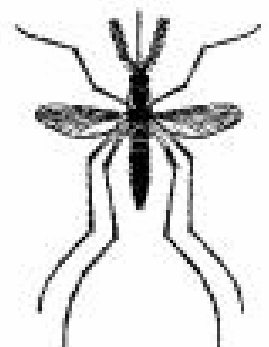
Joe Strickhouser of Clarke Mosquito Control was acknowledged for his many contributions to mosquito control in South Carolina by being awarded the Silver Dipper Award by SCMCA President Terrill Mincey.



Tommy Gunter of Greenwood County Lake Management was awarded the 2013 SCMCA Technician of the Year Award by President Terrill Mincey



Henry Lewandowski of the Chatham County Mosquito Control Program was acknowledged for a lifetime of service and contributions to mosquito control with the SCMCA L.A. Williams Award, President Terrill Mincey presenting.



South Carolina Mosquito Control Association



# 2014 Meeting and Event Information

- 2/27/14 Clarke Mosquito Control Workshop  
Hilton Garden Inn Charleston Airport  
North Charleston, S.C.  
*Breakfast at 7:30am Register online at: <http://www.clarkeworkshops.com/workshop.cfm>*
- 2/28/14 Clarke Mosquito Control Workshop  
Holiday Inn & Suites  
8105 Two Notch Road  
Columbia, S. C.  
*Breakfast at 7:30am Register online at: <http://www.clarkeworkshops.com/workshop.cfm>*
- 3/4/14-3/6/14 39th Conference of the Mid-Atlantic Mosquito Control Association  
Hyatt Regency Chesapeake Bay  
Cambridge, Md.  
<http://www.mamca.org/conference.htm>
- 3/10-3/11/14 Southeast Regional Mosquito Control Workshop  
Public Health Entomology Services  
Florida State University  
<http://docmx8.wix.com/mosquito-workshop#>
- 3/25-3/27/14 11th Annual Arbovirus Surveillance and Mosquito Control Workshop  
Anastasia Mosquito Control District (AMCD)  
St. Augustine, Fl.  
<http://www.amcdsjc.org/>
- 5/5-5/7/14 American Mosquito Control Association Washington Conference  
Holiday Inn & Suites Alexandria  
Alexandria, VA  
<http://www.mosquito.org/washington-conference>
- 6/12/14 **South Carolina Mosquito Control Association Annual Summer Workshop**  
Santee Cooper Somerset Employee Recreational Park  
Pinopolis, S.C.,  
<http://www.scmca.net/meeting.html>
- 6/22-6/28/14 National Mosquito Control Awareness Week  
<http://www.mosquito.org/meetingsevents>
- 11/5-11/7/14 **South Carolina Mosquito Control Association 42nd Annual Meeting**  
Hickory Knob State Park  
McCormick, S. C.



# Web Resources

## Site Author

The American Mosquito Control Association  
 The Mid-Atlantic Mosquito Control Association  
 The Florida Mosquito Control Association  
 The North Carolina Mosquito and Vector Control Assoc.  
 Florida Medical Entomology Laboratory (**GREAT ID GUIDE**)  
 South Carolina Bee Keeper Association (**local assoc. links**)  
 Society for Vector Ecology  
 South Carolina Aquatic Plant Management Society  
 Clemson Department of Pesticide Regulation  
 Clemson CEU Search (**See your CEU information**)  
 DHEC Mosquitoes in South Carolina home  
 CDC West Nile Virus Information  
 WebMD bug bite slide show (**excellent images**)  
 USGS (**Vector Maps– Updated regularly**)

## Web Address

<http://www.mosquito.org/>  
<http://www.mamca.org/>  
<http://www.floridamosquito.org/Home/>  
<http://www.ncmvca.org/>  
<http://fmel.ifas.ufl.edu/>  
<http://www.scstatebeekeepers.org/>  
<http://www.sove.org/index.html>  
<http://www.scapms.org/>  
<http://regfocus.clemson.edu/dpr/>  
<http://regfocus.clemson.edu/dpr/ncommercial.htm>  
<http://www.scdhec.gov/environment/envhealth/pests/mosquitoes.htm>  
<http://www.cdc.gov/westnile/index.html>  
<http://www.webmd.com/allergies/ss/slideshow-bad-bugs>  
<http://diseasemaps.usgs.gov/>

Please contact John Grant at [jcgrant@santeecooper.com](mailto:jcgrant@santeecooper.com) if you would like to share an informative, non-commercial, site with other association members. Please see our Sustaining Members ads for links to their commercial sites.



South Carolina Mosquito Control Association

Reserved for recognition of Sue F.

## **REGIONAL REPORTS and SPOTLIGHTS**

### **Middle Region**

Herbie Christmas Florence County Environmental Services Reports:

2013 will go down in the books as our busiest Mosquito season in many years. Thank goodness we survived! In the six week period from late March until mid-May, we received more than 2,000 citizen's request for mosquito abatement services. Our average annual citizens' request for abatement is around 150. In many areas of our County we received more than our annual rainfall total in just four weeks. Wow! It was one of the most memorable and unusual mosquito seasons I have been involved with in my 28 year career. We took delivery of four Monitor LTs' from Adapco and they will be installed in February. This will assist in record keeping and with NPDES permit requirements. We will begin large scale larviciding the first of March with Altosid XR 150 day briquets. Also, Terry Hughes will head our trapping and monitoring program for another year. At this time, our rainfall is about average and hopefully it will stay that way. We will be losing Gene Mike Norris in January, as he will be pursuing a career with the South Carolina Department of Natural Resources. This will be a big loss for Florence County Environmental Services, but we are very proud and happy for him. Our oldest Daughter Jennifer recently earned her degree in marketing from the University of Charlotte. Our youngest daughter Allison just enrolled in The University of Arkansas where she will major in early special needs education. She will be getting married in the summer. Our son Ty, was selected All State Chorus with the South Florence Knights Edition Choir. Looking forward to a new and interesting 2014.

Sue Ferguson from the South Carolina Bureau of Environmental Health Reports:

After 33+ years, I am retiring from SC DHEC at the end of February 2014. It has been an honor and a privilege to be a part of the SCMCA, work in mosquito control, and serve the citizens of South Carolina. I still plan to stay involved in mosquito control on the national level by serving as the South Atlantic Director on the AMCA (American Mosquito Control Association) Board of Directors.

Tammy Brewer from Richland County Reports:

We were fortunate to be able to send the full-time staff to the SCMCA Annual meeting which turned out well. We are interviewing for another full-time staff member and hope to have the position filled soon. In addition, we are posting for our seasonal staff now - 5 temporary, part-time folks. The cold weather is providing a welcome break in service requests so we can continue catching up on paperwork & data entry. We are simultaneously preparing for the upcoming season by reviewing last year to see where we can improve. This is the time of year when we submit our annual budget request and order supplies for the upcoming season. There is always something to do.



## **REGIONAL REPORTS and SPOTLIGHTS**

### **Lower Region**

#### **Georgetown County Mosquito Control**

The Fall/Winter season has certainly been filled with some interesting weather patterns. Growing up in Georgetown, I can only remember experiencing an ice storm once. I was here when Hugo hit but, that was a late season hurricane with high temperatures and lots of mosquitoes. Georgetown County Mosquito Control staff is making great strides with the recent merging of Mosquito Control and the County's Stormwater Division. Through our stormwater duties; compliance inspections and pond management, we have gain access to many potential mosquito breeding sources which we are able to GIS as hot spots. This will help us in our abatement efforts when the warm temperatures return. Yes, warm temperatures will soon be here but until it gets here; BE WELL AND STAY SAFE!


#### **Santee Cooper Vector Management**

All was quiet throughout the fall and winter, until the ice storms of February 2014 hit the state. Unit crews have been very busy removing downed tree limbs from low areas and clearing access paths to mosquito sources. We are hopeful that subdivision residents don't dump their yard debris in these very same sites! Preparations are underway to treat remote areas with extended residual larvicides so that we can get a jump on the approaching season. Light traps will go back out in March and adult collections will commence shortly thereafter for arbovirus surveillance.

**Thanks to all those who helped make the 2013 SCMCA Annual Conference such a great success! Thanks to all speakers and Sustaining Members for their contributions. Special thanks to 2013 President Terrill Mincey. The 2014 Board of Directors would also like to express appreciation to those individuals leaving the board; Mid-State Rep Antine Williams, At-Large Rep Charlie Pate (Happy Retirement Charlie!), and Past President Paul Campbell.**

Photo submitted by Joe Strickhouser







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## Mark Your Calendars!

The SCMCA Returns to  
Beautiful  
*Hickory Knob State Park*

2014 SCMCA 42nd Annual  
Meeting

Nov. 5-7  
McCormick, S.C.



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**SOUTH CAROLINA MOSQUITO CONTROL ASSOCIATION, INC.****Attn: Olin Towery, Secretary Treasurer****Richland County Vector Control****400 Powell Road****Columbia, SC 29203****OFFICE PHONE: (803) 576-2428****MEMBERSHIP APPLICATION**

NAME: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

WORK PHONE: \_\_\_\_\_

FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

\*\*Newsletter delivery options: I prefer to have SCMCA newsletter ☐ mailed ☐ e-mailed.

TYPE OF MEMBERSHIP/ DUES (Renewal due at Annual Meeting)

Active Member	<b>\$ 10.00</b>
<b>*Sustaining Member</b>	<b>\$150.00</b>

**\*Includes one active membership**Please make checks payable to SCMCA and return to Olin Towery at the address above.**For Office Use Only:**

Region: Upper / Middle / Lower

Amount Paid \$ \_\_\_\_\_ Date Paid: \_\_\_\_\_ ☐ Check # \_\_\_\_\_ ☐ Cash

**South Carolina Mosquito  
Control Association**

Richland County Vector Control  
400 Powell Road; Columbia, SC 29203

Phone: (803) 576-2428  
Email: [scmosquitocontrolassociation@gmail.com](mailto:scmosquitocontrolassociation@gmail.com)

Protecting the Residents and Visitors of  
South Carolina

**Volume 40 Issue 1**

**We are on the Web !  
[www.scmca.net](http://www.scmca.net)**

Stamp

## **SCMCA Board of Directors 2014**

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Lower Region: Eric Deluca

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