



An affiliate of  
National Society  
of Professional  
Surveyors



## NSPS

Brian B. Bonds, Editor  
121 Executive Center Drive, Suite 248  
Columbia, S. C. 29210-8419  
(803) 750-7524

### BOARD OF DIRECTORS:

#### PRESIDENT

*Aaron F. Leach, PLS*

#### PRESIDENT-ELECT

*F. Elliott Quinn, III, PLS*

#### VICE PRESIDENT

*Brian B. Bonds, PLS*

#### SECRETARY

*Andrew B. Wadsworth, Sr., PLS*

#### TREASURER

*F. William Fairey, IV, PLS*

#### IMMEDIATE PAST PRESIDENT

*Kent C. Hudson, PLS*

### DISTRICT DIRECTORS:

#### DISTRICT NO. 1

*Charles F. Dawley, Jr., PLS*

#### DISTRICT NO. 2

*George L. Bradley, Jr., PLS*

#### DISTRICT NO. 3

*Thomas B. Abraham, PLS*

#### DISTRICT NO. 4

*William C. Martin, PLS, PE*

#### DISTRICT NO. 5

*William V. Hipp, PLS*

#### DISTRICT NO. 6

*Michael S. Culler, Jr., PLS*

### CHAPTER REPRESENTATIVES:

#### AIKEN CHAPTER

*William R. Tripp, PLS*

#### COASTAL CHAPTER

*Curtis W. Lybrand, Jr., PLS, PE*

#### FOOTHILLS CHAPTER

*Thurl M. Amick, Sr., PLS*

#### GRAND STRAND CHAPTER

*Michael S. Culler, III, PLS*

#### LOW COUNTRY CHAPTER

*Terry Hatchell, PLS*

#### MID-STATE CHAPTER

*C. A. Shealy, III, PLS*

#### MIDLANDS CHAPTER

*Gregory Jenness, PLS*

#### NORTHWEST CHAPTER

*T. Scott Richey, PLS*

#### PEE DEE CHAPTER

*Ferrell J. Prosser, PLS*

#### THOMAS C. ANDERSON CHAPTER

*N. Wayne Reynolds, Sr., PLS*

#### TRI-COUNTY CHAPTER

*Floyd A. Sweatt, Jr., PLS*

#### UPPER PIEDMONT CHAPTER

*Dennis V. Clinkscales, PLS*

### NSPS GOVERNOR

*Henry B. Dingle, PLS*

### EXECUTIVE SECRETARY

*Kim Long*



## GENERAL MEMBERSHIP MEETING

**WEDNESDAY – FEBRUARY 5, 2014  
7:00 PM**



**2014 SCSPLS EDUCATION  
CONFERENCE AND TRADE SHOW  
FEBRUARY 6 – 7, 2014**

**DOUBLETREE BY HILTON HOTEL  
COLUMBIA, SC**

# PRESIDENT'S MESSAGE

Greetings SCSPLS members,

**H**appy New Year! I hope everyone had a good Christmas and a safe New Year.



Thank you to everyone who came out to the seminar and meeting December 7th at The Citadel. We appreciate the financial support of Smartvent Products, SCRS and Champion Instruments that allowed us to offer this seminar free to SCSPLS members. I'd also like to thank the Coastal, Grand Strand, Midlands and Mid-State Chapters for their sponsorship of the social held at the Fish Fry Shack after the meeting. It was good to

see so many folks show up for this meeting. We had 72 at the seminar and 46 stay for the meeting. The meeting was a combined Board and General Membership meeting and we did away with the consent agenda. I think this format was a success. It showed the membership what happens at the Board meeting and allowed every member of the Board to be heard in giving their reports. We are going to stick to this format for the remainder of our meetings this year, with the exception of the

February Board and General Membership meetings.

The Continuing Education Conference and Trade Show will be February 6th – 7th. This is a chance for surveyors to earn 15 PDH hours over two days. Remember, this is a relicensing year! Also happening at the 2014 Conference is the SCSPLS 60th Anniversary Celebration Dinner. The dinner will be held in conjunction with the Exhibitor's Social Thursday evening, February 6th. We are looking forward to a fun event with good food, good friends and prizes to be given away!

Please be sure to find one of our Scholarship Committee members and purchase your raffle tickets. We have some great prizes this year! The first is the Giant Green Egg smoker/cooker. We are also giving away a subscription to the SC VRS Network as well as a SCDOT Online Plans Membership, so get your tickets today!!!

Once again thank you to all the members for your support of SCSPLS! We hope to see you in February!

Sincerely,

Aaron F. Leach, PLS

SCSPLS 2013-14 President

## EDUCATION CONFERENCE & TRADE SHOW

DOUBLE TREE BY HILTON HOTEL • 2100 BUSH RIVER RD., COLUMBIA, SC  
FEBRUARY 6-7, 2014

Here is your chance to **earn up to 15 professional development hours** by attending full day Thursday and Friday seminars at the SCSPLS 2014 Education Conference and Trade Show! You will receive 1 PDH per classroom hour. To receive any PDH credits, you must **sign in** at the beginning of each seminar and stay for the complete duration of the scheduled seminar. The SC Society of Professional Land Surveyors meets the requirements for a continuing education provider of the South Carolina State Board of Registration and is a qualified provider of continuing education for the North Carolina Board of Registration. Early registration must be postmarked by **January 17, 2014**. Late fees will be effective after that date. Conference brochure and registration forms can be downloaded by going to [www.scspls.com](http://www.scspls.com). Mail registrations to SCSPLS, 121 Executive Center Dr., Ste. 248, Columbia, SC 29210; email to [kim@scspls.com](mailto:kim@scspls.com); or fax to 803-750-7523. Seating will be limited and on a first come, first serve basis. Register early to assure your choice of seminars!

The DoubleTree Hotel, 2100 Bush River Rd., at I-20, Columbia, SC, 29210 will be our host hotel for this conference. **Please make your reservations early as all requests for reservations must be received by Monday, January 17, 2014. (Group rates may no longer apply after this date.)** You may make or confirm your reservation by calling the hotel directly at 803-744-0142. Be sure to mention you would like the group rate for the SCSPLS Conference of \$99.00 for single or double

rate. The DoubleTree by Hilton Hotel Columbia is centrally located at 2100 Bush River Road at I-20 (Exit 63) and a half-mile from I-26. To view the DoubleTree Hotel or make your reservation online, go to <http://doubletree.hilton.com/en/dt/groups/personalized/C/CAECSDT-SPL-20140205/index.jhtml>

**TRADE SHOW:** The annual SCSPLS Trade Show will be held in conjunction with the SCSPLS Continuing Education Conference. Come see the informative displays of hardware, software, equipment, surveying and photogrammetric instruments that will be featured at the Trade Show. This is a great opportunity for surveyors to compare vendors and order equipment, supplies and services or to make plans for future purchases. Exhibits will be located in the Congaree A & B Ballroom which will also be the location of the breaks and lunch during the conference. Bring approximately 35 of your business cards to give to exhibitors for the prize drawings. You must be registered for the seminars and present to win a prize. If you are not attending the education conference, you are invited to attend the Trade Show and view the latest in equipment, supplies and services for the surveying profession during non-food events or purchase a ticket to the Thursday evening 60<sup>th</sup> Anniversary Dinner & Exhibitor's Social. The Trade Show floor will remain open on Thursday evening following the seminars for the 60<sup>th</sup> Anniversary Dinner & Exhibitor's Social and will close after the afternoon break on Friday.





# WHEN YOU'RE NOT SURE — JUST SCAN IT!

Robotic Total Station | Imaging | Scanning | GNSS - All in a Single System

What if your robotic total station had scanning capabilities, without the need for complex registration of scan data in the field or processing in the office? The **NEW! Leica Nova MS50** enables you to capture and create a point cloud directly in the field — all through a familiar survey workflow.

It's a risk-free entryway into the profitable world of laser scanning, so you can be sure every time.

[www.novalearningnetwork.com](http://www.novalearningnetwork.com)

For more information contact your local  
Leica Geosystems representative:  
Dean Howell  
P. 336-944-7501  
Email: [dean.howell@leicaus.com](mailto:dean.howell@leicaus.com)  
[www.leica-geosystems.us](http://www.leica-geosystems.us)

- when it has to be **right**

**Leica**  
Geosystems

## CONFERENCE & TRADE SHOW SCHEDULE

- *Registration, coffee, breaks, and lunches are included in daily registration fee.*
- *Thursday's 60<sup>th</sup> Anniversary Celebration Dinner & Exhibitor's Social is included in Thursday's registration fees.*

### **WEDNESDAY, FEBRUARY 5, 2014:**

2:00 – 6:00 PM	Trade Show Set-up – Congaree A & B, DoubleTree by Hilton Hotel
5:30 – 7:00 PM	SCSPLS Board Meeting, Capital Room, DoubleTree Hotel
7:00 – 8:00 PM	SCSPLS General Membership Meeting, Richland Room, DoubleTree Hotel

### **THURSDAY, FEBRUARY 6, 2014:**

7:30 AM – 8:30 AM	REGISTRATION- Coffee with Exhibitors- <b>CONGAREE A &amp; B</b>
8:30 AM – 12:15 PM	SESSION 1: The Pincushion Effect – Jeffery N. Lucas, PLS SESSION 2: What did you REALLY Mean: The Intent of the Parties – Kristopher M. Kline, PLS, GSI SESSION 3: Establishing Your Surveying or Engineering Practice – Milton Denny, PLS
10:00 AM – 10:30 AM	Morning Break with Exhibitors-Session 1 <b>CONGAREE A &amp; B</b>
10:30 AM – 11:00 AM	Morning Break with Exhibitors-Sessions 2 & 3 <b>CONGAREE A &amp; B</b>
10:30 AM – 12:15 PM	Continuation of Morning Session 1
11:00 AM – 12:15 PM	Continuation of Morning Sessions 2 & 3
12:15 PM – 1:30 PM	Lunch with Exhibitors - <b>CONGAREE A &amp; B</b>
1:30 PM – 5:00 PM	SESSION 1: What Went Wrong – Jeffery N. Lucas, PLS SESSION 2: (Cont'd) What did you REALLY Mean: The Intent of the Parties SESSION 3: Effective Marketing of Professional Services for Surveyors & Engineers–Milton Denny, PLS
3:00 PM – 3:30 PM	Afternoon break with Exhibitors- Session 1 <b>CONGAREE A &amp; B</b>
3:30 PM – 4:00 PM	Afternoon break with Exhibitors- Sessions 2 & 3 <b>CONGAREE A &amp; B</b>
3:30 PM – 5:00 PM	Continuation of Afternoon Session 1
4:00 PM – 5:00 PM	Continuation of Afternoon Sessions 2 & 3
5:00 PM – 7:00 PM	<b>60<sup>th</sup> ANNIVERSARY CELEBRATION DINNER AND EXHIBITOR SOCIAL</b> – DoubleTree Conference Center – <b>CONGAREE A &amp; B</b> <i>Prize Drawings- Bring 35 of your business cards - (name badge required for entrance)</i>

### **FRIDAY, FEBRUARY 7, 2014:**

7:30 AM – 8:30 AM	REGISTRATION - Coffee with Exhibitors
8:30 AM – 12:15 PM	SESSION 1: Eminent Domain – Jeffery N. Lucas, PLS SESSION 2: How to Fix a Boundary Line, and how NOT to – Kristopher M. Kline, PLS, GSI SESSION 3: Buying or Selling the Land Surveying or Engineering Firm – Milton Denny, PLS SESSION 4: FEMA Updates – Maria Cox Lamm, CFM
10:00 AM – 10:30 AM	Morning Break with Exhibitors- Sessions 1 & 2 <b>CONGAREE A &amp; B</b>
10:30 AM – 11:00 AM	Morning Break with Exhibitors- Sessions 3 & 4 <b>CONGAREE A &amp; B</b>
10:30 AM – 12:15 PM	Continuation of Morning Sessions 1 & 2
11:00 AM – 12:15 PM	Continuation of Morning Sessions 3 & 4
12:15 PM – 1:30 PM	Lunch with Exhibitors- <b>CONGAREE A &amp; B</b>
1:30 PM – 5:00 PM	SESSION 1: Law of Easements – Jeffery N. Lucas, PLS SESSION 2: (Cont'd) How to Fix a Boundary Line, and how NOT to SESSION 3: Professional Ethics for the Land Surveyor – Milton Denny, PLS SESSION 4: (Cont'd) FEMA Updates
3:00 PM – 3:30 PM	Afternoon break - Sessions 1 & 2 <b>CONGAREE A &amp; B</b>
3:30 PM – 4:00 PM	Afternoon break - Sessions 3 & 4 <b>CONGAREE A &amp; B</b>
4:00 PM – 5:30 PM	Trade Show Break Down
3:30 PM – 5:00 PM	Continuation of Afternoon Sessions 1 & 2
4:00 PM – 5:00 PM	Continuation of Afternoon Sessions 3 & 4

*Thank you to the SC Board of Registration for Professional Engineers and Surveyors for their sponsorship of this Continuing Education Conference!*

## SCSPLS 60TH ANNIVERSARY

**COME HELP US CELEBRATE!**

This year SCSPLS will celebrate its 60<sup>th</sup> Anniversary! In honor of this milestone, SCSPLS will host a 60<sup>th</sup> Anniversary Dinner in conjunction with the Exhibitor's Social, Thursday, February 6<sup>th</sup>. This event is included with Thursday's registration fees.

Additional tickets may be purchased with your conference registration.

Come and join us for BIG PRIZE giveaways, good food and most importantly, a fun time!

# Solutions to Help You Succeed

To succeed in today's highly-complex surveying world you need products that work together seamlessly, support before and after the sale, and multiple training options to help you stay up to date. You can count on all of that from Duncan-Parnell, and more.

**Trimble GNSS Products**

**Trimble Optical Instruments**

**Trimble Building Construction Products**

**Trimble Spatial Imaging Solutions**

**Trimble Mapping and GIS Products**

**Nikon Optical Instruments**

**Spectra Precision Products**

**Public Utility Solutions**

**Software for Surveying and Mapping**

**Surveying Supplies**

**Rentals – Surveying Equipment,  
Mapping Equipment, 3D Scanners**

***FLEX*Lease Stress-Free Lease Program**

**Autodesk Software & Training**



© 2011, DPI. Trimble and the Globe & Triangle logo are trademarks of Trimble Navigation Limited, registered in the United States and in other countries.



**duncan-parnell.com**

**13 Carolina Locations**

**1-800-353-7392**

**Duncan  
+ Parnell**



# SCSPLS GENERAL MEMBERSHIP MEETING WEDNESDAY, FEBRUARY 5, 2014

DoubleTree Hotel, Richland Room, Columbia, South Carolina

## Welcome:

President Aaron Leach

## Invocation:

## Meeting Format:

Robert's Rules of Order

## Agenda Approval:

President Aaron Leach

## Approval of Minutes of Board & GM Meeting:

December 7, 2013

### 1. President's Report:

President Aaron Leach

### 2. Financial Report:

Will Fairey

### 3. Executive Secretary's Report:

Kim Long

### 4. Delegate Reports:

- SC Council of Eng. & Surv. Soc.
- NSPS Governor
- SMAC/GIS Delegate
- SC Utilities Committee
- The Auxiliary

Carl Bostick  
Henry Dingle  
Bill Tripp  
Aaron Taylor

### 5. Chapter Representative Reports:

- Aiken Chapter
- Coastal Chapter
- Foothills Chapter
- Grand Strand Chapter
- Low Country Chapter
- Midlands Chapter
- Mid-State Chapter
- Northwest Chapter
- Pee Dee Chapter
- Thomas C. Anderson Chapter
- Tri-County Chapter
- Upper Piedmont Chapter

Bill Tripp  
Curtis Lybrand  
Thurl Amick, Sr.  
Michael Culler, III  
Terry Hatchell  
Greg Jenness  
C. A. Shealy  
Scott Richey  
Ferrell Prosser  
Wayne Reynolds  
Floyd Sweatt  
Dennis Clinkscales

### 6. District Director's Reports:

- District 1
- District 2
- District 3
- District 4
- District 5
- District 6

Chuck Dawley  
George Bradley, Jr.  
Tom Abraham  
Billy Martin  
Billy Hipp  
Mike Culler, Jr.

### 7. Committee Reports:

- Activities & Programs
- Constitution & By-Laws
- 2014 Convention
- Education
- Ethics & Standards of Practice
- GPS-VRS
- Insurance
- Internet
- Legal & Legislative
- LLR Liaison
- Membership
- Newsletter, Plat Contest & Surveyor of the Year
- PAC Research Committee
- Past Presidents Council
- Public Relations
- ROD Committee
- Scholarship Committee
- Survey Contest
- Yearbook

Aaron Leach  
Ronnie Tyler  
Elliotte Quinn  
Greg Jenness  
Will Fairey  
Matt Wellslager  
Dennis Clinkscales  
David Ballard  
Elliotte Quinn  
Kent Hudson  
Andrew Wadsworth, Sr.

Brian B. Bonds  
Dennis Clinkscales  
Kent Hudson  
Aaron Leach  
Al Crouch  
Joe McIntyre  
Thomas C. Anderson Chapter  
Andrew Wadsworth, Sr.

## NORMAL AGENDA ITEMS:

### New Business:

Board of Prof. Eng. & Surveyors' Report

Gene Dinkins/Johnny Johnson

Results of QBS Vote

President Aaron Leach

PAC Guest

Jim Ritchie

### Closing Comments

President Aaron Leach

### Adjournment

**NOW YOU CAN HAVE A PERFECT  
POINT OF VIEW FROM ANYWHERE**



## **Trimble VISION**

Trimble VISION™ is designed to make surveying more efficient wherever the job takes you. Our portfolio of solutions provides you with the ideal tool kit to get your job done right the first time.

Choose Your Vision at:  
**[www.trimble.com/trimblevision](http://www.trimble.com/trimblevision)**



© 2012, Trimble Navigation Limited. All rights reserved. Trimble and the Globe & Triangle logo is a trademark of Trimble Navigation Limited, registered in the United States and in other countries. All other trademarks are the property of their respective owners.

**FOR MORE  
INFORMATION CALL YOUR  
TRIMBLE DEALER**

**Duncan Parnell Inc.**  
Charleston, SC  
800-353-7392

**Duncan Parnell Inc.**  
Charlotte, NC  
800-353-7392

# MINUTES OF SCSPLS BOARD & GENERAL MEMBERSHIP MEETING

**Saturday, December 7th, 2013, The Citadel, Grimsley Hall, Charleston, SC**

A meeting of the Board of Directors and General Membership of South Carolina Society of Professional Land Surveyors was held on Saturday, December 7, 2013 at 2:00 PM, at The Citadel, Charleston, South Carolina.

Members in attendance were:.

## Officers:

President	Aaron Leach
President Elect	Elliotte Quinn
Vice President	Brian B. Bonds
Secretary	Andrew B. Wadsworth, Sr.
Treasurer	Will Fairey
Immediate Past President	Kent Hudson

## Delegates:

SC Council of Eng. & Surv.	Carl Bostick, absent
NSPS Governor	Henry Dingle
SC Utilities Committee	Aaron Taylor
SMAC/GIS	Bill Tripp
The Auxiliary	

## Chapter Representatives:

Aiken Chapter	Bill Tripp
Coastal Chapter	Curtis Lybrand
Foothills Chapter	Thurl Amick, Sr.
Grand Strand Chapter	Michael Culler, III
Low Country Chapter	Terry Hatchell
Midlands Chapter	Greg Jenness
Mid-State Chapter	C. A. Shealy, III
Northwest Chapter	Scott Richey, absent
Pee Dee Chapter	Ferrell Prosser, absent
Thomas C. Anderson Chapter	Wayne Reynolds, absent
Tri-County Chapter	Floyd Sweatt
Upper Piedmont Chapter	Dennis Clinkscales

## District Directors:

District 1	Chuck Dawley, absent
District 2	George Bradley, Jr., absent
District 3	Tom Abraham, absent, proxy
District 4	Billy Martin
District 5	Billy Hipp
District 6	Mike Culler, Jr., absent

<b>Executive Secretary:</b>	Kim Long
<b>Administrative Secretary:</b>	Brenda Smith

**OTHER MEMBERS PRESENT:** Joe Baird, David Ballard, Larry Beasley, Byron Berry, Justin Brown, Chris Coggins, Gene Dinkins, Robert Drummond, Jack Epperly, Daniel Forsberg, Bobby Foster, Jimmy Godfrey, Johnny Johnson, Bobby King, Bruce King, Sid Miller, L. Bruce Myers, Rafal Pawlowski, Jetter Pittman, Wendell Powers, Robert Praete, William Seaborn, Dale Swygert, Aaron Taylor, Craig Thomas, Don Thomas, Ronnie Tyler

President Aaron Leach called the Board and General Membership

meeting of SCSPLS to order Saturday, December 7, 2013 at 2:00 PM at The Citadel, Grimsley Hall in Charleston, SC. President Leach thanked Smartvent Products, SCRS, and Champion Instruments for their contributions to the day's seminar and meeting. He thanked the Coastal, Grand Strand, Midlands, and Mid-State Chapters for their donations to the social being held directly after the meeting. Mr. Brian B. Bonds gave the invocation. Representatives from SCRS and Champion Instruments handed out door prizes to meeting attendees.



President Leach stated the meeting would be conducted under Robert's Rules of Order. There is no Consent Agenda for this meeting. Each Delegate, Chapter Representative, and District Director will be called on for report. Vice President and Parliamentarian Brian B. Bonds called the roll and stated that a quorum was present including proxies.

**AGENDA:** President Leach requested "Disaffiliation of Central Chapter" be moved to "Old Business." Motion made to approve the agenda with changes. Motion unanimously approved.

**APPROVAL OF MINUTES OF BOARD MEETING:** A motion was made to approve the minutes of the July 18, 2013 Board meeting. Motion was unanimously approved.

**APPROVAL OF MINUTES OF GENERAL MEMBERSHIP MEETING:** A motion was made to approve the minutes of the July 20, 2013 General Membership meeting. Motion was unanimously approved.

**PRESIDENT'S REPORT:** Since last President's report, President Leach stated that he has visited 6 of the 12 chapter meetings. He will continue to visit the other six chapters during the next six months and will report as those visits are made.

**FINANCIAL REPORT:** Mr. Will Fairey submitted a written statement of SCSPLS bank accounts. The balances of the accounts are as follows: Wells Fargo account ending in -1285 balance of \$166,583.97; Wells Fargo account ending in -7096 balance of \$54,007.21. The balances of the SCSPLS Scholarship accounts are as follows: Merrill Lynch account ending in -4196 balance of \$48,653.55; Wells Fargo account ending in -7754 balance of \$2,129.00. All information is current as of November 15, 2013 and furnished for informational purposes only.

**EXECUTIVE SECRETARY REPORT:** Mrs. Kim Long's



# MINUTES OF SCSPLS BOARD & GENERAL MEMBERSHIP MEETING

**Saturday, December 7th, 2013, The Citadel, Grimsley Hall, Charleston, SC**

written report outlined the activities in the society office since the July Board meeting, including the following: Notified Board members of upcoming Board meetings, attended, took minutes and transcribed; Informed membership of upcoming general membership meetings; E-mailed notices to all Chapter Representatives and membership keeping them informed of upcoming events and deadlines; Worked with Col. Dion, Executive Board and Education Committee to plan December seminar and meeting at The Citadel in Charleston; Worked with Education Committee, DoubleTree Hotel, Administrative Secretary and Executive Board on planning the 2014 Education Conference being held February 6-7, 2014; Attended Board of Registration for Professional Engineers and Surveyors meetings July 10<sup>th</sup>, 2013; August 13<sup>th</sup>, 2013; September 24<sup>th</sup>, 2013; November 18<sup>th</sup>, 2013; and November 19<sup>th</sup>, 2013; Attended Industrial Exemption Committee meetings October 16<sup>th</sup>, 2013 and November 12<sup>th</sup>, 2013; Keeping members informed of all activities and events of SCSPLS and the surveying profession by phone, email and Facebook; Worked with Newsletter Editor, Brian B. Bonds, and Brenda Smith to produce the October issue of "*The Carolina Benchmark*."; Met with PAC Research Committee Chairman, Dennis Clinkscales, and attorney Jim Ritchie in Greenville, SC on October 22<sup>nd</sup>, 2013, to discuss options in moving forward with a SCSPLS PAC; Working with web designer and Internet Committee Chairman, David Ballard, to get the new website up and running; Maintaining the current website until the new one is ready; Worked with Yearbook Committee Chairman, Andrew B. Wadsworth, Sr., and Brenda Smith to produce the 2012-13 SCSPLS Yearbook; Purchased office supplies as needed; Other general offices duties.

Administrative Secretary Report: Job Duties for 2013-14 as follows: Financial Management including data entry of all accounts payables and accounts receivables in our on-line QuickBooks accounting system, checking bank accounts for accountant to reconcile, preparing checks for Treasurer to sign, and financial reports and budget planning assistance. Work with CPA on all accounting matters. Research and negotiate contracts with meeting, conference and convention venues, secure accommodations and meeting space, assist in all logistics, pricing of events, banquet event orders, food events and banquet planning. Work with service exhibitors in planning Trade Show or exhibit events. Secure space, decorator, work with venues and exhibitors on logistics. Attend events and help with set-up. Help Executive Secretary with on-site registration of conference and convention events. Consulting services to Executive Board, Board of Directors and Chapter Representatives on policies, duties and budgets. Consulting services to Executive Secretary for any assistance at meeting events, policies, or duties.

## DELEGATE REPORTS:

**SC COUNCIL OF ENG. & SURV. SOC.:** President Leach reported in Carl Bostick's absence. The Joint Council had a dinner for the members of the Licensing Board November 18<sup>th</sup>, 2013. President Leach was in attendance at the dinner and encouraged SCSPLS Board members to attend these events when they come up in the future.

**NSPS:** NSPS Governor Henry Dingle reported on the activity

of NSPS. Approximately 26 states were represented at the NSPS Lobby Day held in November. NSPS is still pushing for a bill to be introduced that would allow for monumentation of railroads. There is still work to be done, but they are making positive strides in that direction. At the November meeting of the Board of Governors/Directors the Board voted to create new committees to review certification programs for Geodetic Surveys and ALTA Surveys. A committee was also created to review the current NCEES model law. The current certification programs NSPS has in place were discussed briefly. Only 4 states have not signed on to the 100% NSPS membership initiative: California, Arkansas, West Virginia, and Colorado. All other states have either signed the initiative or voted favorably to move forward with the initiative. SCSPLS members will officially become members of NSPS on January 1, 2014, and can expect a new member packet from NSPS after that time.

**SMAC/GIS:** Mr. Bill Tripp stated there was nothing new to report at this time.

**SC UTILITIES COMMITTEE:** Mr. Aaron Taylor reported that PUPS is now offering a remote user system. The website is [www.scl.pups.org](http://www.scl.pups.org). He has heard NC surveyors are currently having an issue with PUPS requiring a dig permit to set pins. He will research this and report back to the SCSPLS Board. Discussion began on making a rule that utility easements need to be off of property lines to preserve surveyor pins. President Leach suggested Bobby Foster work with Aaron Taylor on moving forward with that idea.

## CHAPTER REPORTS:

**Aiken:** Mr. Bill Tripp's written report stated the Chapter has met four times since the June report with an average of 10 in attendance. Meetings were as follows: June 18, 2013 – Chapter business meeting; August 20, 2013 – Program, "Aiken & Edgefield County Issues for Surveyors," presented by SC Representative Bill Hixon; October 15, 2013 – Program, "Georgia Minimum Standards," presented by John Attaway; November 22, 2013 – Program, "GIS for Land Surveyors," presented by Evelyn Chanti.

**Coastal:** Mr. Curtis Lybrand's written report stated the Chapter met twice since last report with an average of 29 members and guests in attendance. Meetings were as follows: September 24, 2013 – SCSPLS President Aaron Leach made a presented on state activities. Elliotte Quinn announced next year's convention will be held jointly with SAMSOG in Savannah. Ronnie Tyler reported on the LLR meeting held that day. Guest speaker, Rob Rogerson, Flood Plain Manager for the Town of Mt. Pleasant, spoke on current changes and requirements prompted by the new NFIP. October 29, 2013 – Chapter approved to donate \$100 toward SCSPLS cook-out December 7<sup>th</sup>. Mandi Herring, City of Charleston Senior Zoning Planner, and Eric Schulz, City of Charleston Principal Planner, gave an informative and entertaining presentation on the tree ordinance and other city issues.

**Foothills:** Mr. Thurl Amick's written report stated the Chapter has met six times since May with an average of 13 members and 1 guest in attendance. Copies of the Chapter's newsletter, *The Blaze*, were furnished for report and can be viewed by contacting the SCSPLS office.

# MINUTES OF SCSPLS BOARD & GENERAL MEMBERSHIP MEETING

**Saturday, December 7th, 2013, The Citadel, Grimsley Hall, Charleston, SC**

**Grand Strand:** Mr. Michael Culler, III's, written report stated the Chapter met in October with 11 members and 1 guest in attendance. President Aaron Leach discussed the state legislation QBS. The Chapter agreed to wait until November to get a Chapter vote and present it to SCSPLS at the December Board & General Membership meeting in Charleston, SC.

**Low Country:** Mr. Terry Hatchell's written report stated the Chapter has met once since last report with 12 members and 4 guests in attendance. The Low Country Chapter meets the 2<sup>nd</sup> Tuesday of the month at various locations.

**Midlands:** Mr. Gregory Jenness reported the Chapter has met six times since July, 2013, with an average of 26 members and 2 guests present. In August Linda McDonald from SCDOT discussed Right-of-Way issues. In September guest speakers from 811 Public Awareness gave a "Damage Prevention Training Class." At the October meeting guest speakers from Richard County covered the changes being made in business conduct and administration. Christmas Box plans were finalized at the November meeting. The Chapter has enough money to pack 72 boxes of food for families in need this Christmas.

**Mid-State:** Mr. C. A. Shealy, III, reported the Mid-State Chapter has had good meeting attendance. The Chapter meets the 1<sup>st</sup> Tuesday of each month at Roma's House of Pizza in Prosperity. They have a speaker at most meetings.

**Northwest:** No report.

**Pee Dee:** No report.

**Thomas C. Anderson:** No report.

**Tri-County:** Mr. Floyd Sweatt's written report stated the Chapter has met twice since last report with an average of 10 members and 2 guests in attendance. In September the York County GIS Department presented on the upgraded website. In October York County Narcotic Deputies presented on what to do if meth labs are discovered while surveying property. In November Chapter members discussed plans for the Christmas dinner/meeting and a new committee was formed to arrange a surveyors' presentation at the White Home in Rock Hill. Meeting locations vary.

**Upper Piedmont:** Mr. Dennis Clinkscates reported the Upper Piedmont Chapter meets the 3<sup>rd</sup> Tuesday of every month at Billy D's in Spartanburg, SC. The Chapter has a speaker at most meetings. Their annual Christmas part was held the first week of December at the Piedmont Club.

## DISTRICT DIRECTORS REPORTS:

**District 1:** No report.

**District 2:** No report.

**District 3:** No report.

**District 4:** Mr. Billy Martin's written report stated the Foothills Chapter has met 5 times since last report, with an average of 12 members and 1 guest in attendance. The Upper Piedmont Chapter has met 5 times since last report, with an average of 6 members and 1 guest in attendance.

**District 5:** Mr. Billy Hipp reported the Tri-County Chapter's Christmas party will be held Tuesday, December 10<sup>th</sup>, 2013 at the Summit in Chester. For Surveyors Week, the Tri-County Chapter will be putting together a surveying display for the historic White

home in Rock Hill. The display will be out for 2-3 weeks. Three generations of surveyors have lived in the White home.

**District 6:** No report.

## COMMITTEE REPORTS:

**Activities:** President Aaron Leach's written report reminded the group of the social being held following the December 7<sup>th</sup> Board and General Membership meeting. Thank you to the Coastal Chapter for organizing the Social and to the Midlands and Grand Strand Chapters for sponsorship of the event.

**Constitution and By-Laws:** Mr. Ronnie Tyler reported that his committee is still working on recommendations for Constitution and By-Law revisions. A progress report may be expected at the February Board meeting. Any comments or suggestions regarding the current Constitution and By-Laws should be directed to him via email, [rtlyerfti@knology.net](mailto:rtlyerfti@knology.net).

**2014 Convention:** See "New Business."

**Education Committee:** Mr. Greg Jenness' written report stated while the final planning for the upcoming Continuing Education Conference is still wrapping up, the list of seminar speakers and topics have been set. The LLR Board approved the funding request for the Conference at its November 19, 2013 meeting. The Committee would like to express thanks to Kim Long for help planning the event, Kent Hudson for his assistance with the funding request, and Elliotte Quinn for securing a speaker for the December meeting. Mr. Jenness added that 71 members were in attendance for the December seminar.

**Ethics & Standards of Practice:** Mr. Will Fairey deferred to reports from Gene Dinkins and Johnny Johnson with the LLR Board of Registration for Professional Engineers and Surveyors; and also to the report from SCSPLS Lobbyist, Joe Jones.

**GPS-VRS:** No report.

**Insurance:** No report.

**Internet:** Mr. David Ballard's written report stated GRITS and Kim Long have been working on the new website and are closing in on a launch date. As requested there will be a "Member's Only" section. Ideas are still needed for what members would like included in this section. There is also a public page that will introduce a search foundation that allows the public to query member surveyors in their part of the State.

**Legal and Legislative:** Mr. Joe Jones' written report stated the legislature has been slow for the last several months. There have been some committee hearings, and the House Ways and Means Committee is beginning to hear budget requests from state agencies. The Industry Exemption Committee set up by SC State Board of Registration for Professional Engineers and Surveyors Chair, Theresa Hodge, has met twice. The committee consists of representatives of engineering and surveying groups and representatives of the SC Manufacturers' Alliance. They are shooting for some compromise the first of the year. He has met with two senators and a house member on S. 497 and H. 3832, the rewrite of the Engineers and Surveyors Practice Act. Aaron Leach, PLS, met with Rep. Nelson Hardwick and Mr. Jones in Myrtle Beach. Mr. Jones made a presentation to the SCSPLS Midlands Chapter Nov. 25 to talk about the procurement of professional services, including surveying and

# MINUTES OF SCSPLS BOARD & GENERAL MEMBERSHIP MEETING

**Saturday, December 7th, 2013, The Citadel, Grimsley Hall, Charleston, SC**

engineering, and the industry exemption issue. He also met with the President of the South Carolina Chamber of Commerce to discuss possible compromises to the industry exemption issue and the procurement of professional services. He plans to pass along his ideas to the boards of directors of SCSPLS, ACEC-SC and SCSPE. In order to pass the rewrite of the practice act to include the section of procuring professional services and to have a reasonable and legitimate industry exemption everyone needs to contact his or her legislators in support of these bills. Each surveyor has only one member of the House of Representatives and one State Senator. That means you have only two contacts. Between now and the middle of January, please take the time to reach out to your legislator and senator and express your thoughts on these two bills.

**LLR Liaison:** Mr. Kent Hudson's written report stated he attended SC Board of Registration for Professional Engineers & Surveyors meetings on July 13th, August 12th, September 23rd, November 18th and November 19th. He attended Industrial Exemption Committee meetings on October 16th and November 12th. All meetings were held at the Synergy Business Complex, Kingstree Building, in Columbia, SC. The following meetings have been scheduled for 2014: January 21st, March 13th, April 8th, July 15th, September 23rd, and November 10th. All meetings are open to the public and surveyors are encouraged to attend.

**Membership:** Mr. Andrew Wadsworth's written report stated the society had 301 members as of November 20, 2013: Full – 293; Associate – 6; Complimentary – 0; Emeritus – 0; Student – 0; Sustaining – 8. Applications for Board approval for 2013-14 membership at this time: **Full:** Christian Anderson, DDC Engineers, Inc., Myrtle Beach, SC; Byron B. Berry, Beaufort, SC; David C. Huntley, David C. Huntley & Associates, Inc., Hendersonville, NC. **Complimentary:** Wendell R. Ball, Mulkey Engineers & Consultants, Youngsville, NC; Aaron W. Knight, Cornerstone Surveying & Engineering, Summerville, SC. **Associate:** Matthew J. Wellslager, SC Geodetic Survey, Columbia, SC. **Student:** Michael D. Bitzky, Florence-Darlington Tech, SC. The following applications presented to the membership for approval: **New Emeritus Application:** Richard L. Stroman, Orangeburg, SC. **Renewing Emeritus Applications:** Thurl M. Amick, Sr., Sinclair & Associates, Inc., Simpsonville, SC; William A. Blackwood, Jr., Blackwood Associates, Inc., Spartanburg, SC; Carl W. Bostick, Bostick Surveying, Irmo, SC; Michael S. Culler, Jr., Culler Land Surveying, III, Inc., Surfside Beach, SC; John Q. Hall, York, SC; Robert L. Hiers, Walterboro, SC; Warren P. Jenkins, Mt. Pleasant, SC; Bobby J. King, Summerville, SC; Heinz B. Krause, Hawley, PA; Robert K. Leake, Greenwood, SC; Murdoch E. Lind, Jr., Lind Hicks & Assoc. Surveying, Inc., Timmonsville, SC; Carl Maness, Bennettsville, SC; Joe E. Mitchell, Sr., Mitchell Surveying, Woodruff, SC; Robert F. Morgan, Pamplico, SC; Ferrell J. Prosser, Prosser Surveying Co., Inc., Florence, SC; William R. Tripp, Tripp Land Surveying, Aiken, SC; Terry M. Watson, Conway, SC; W. Gene Whetsell, Walterboro, SC; Charles A. Whitaker, Whitaker Engineering, Inc., Union, SC; Milledge L. Wilson, Sr., Prosperity, SC; David S. Youmans, Beaufort Surveying, Inc., Port Royal, SC. Motion made by committee to approve the names submitted for membership. Motion passed unanimously.

**Newsletter/Plat Contest/Surveyor of the Year:** Mr. Brian B. Bonds reported that he is continuing to work on newsletter articles. Kim Long will be contacting a few members to find out how they got started in the surveying business to feature in the newsletter. Suggestions for newsletter content are welcome.

**PAC:** See "New Business."

**Past President's Council:** Mr. Kent Hudson reported that he will be contacting Past Presidents before the end of the year to try and schedule a meeting for January.

**Public Relations:** President Aaron Leach's written report stated the "Why Need a Surveyor" brochure has been finalized. The Chapters were asked for input but no response was received. The goal is for each Chapter Representative to take a stack of the brochures to various public locations including R.O.D. planning offices. 60th Anniversary postcards were prepared and sent to non-members licensed in SC inviting them to join SCSPLS.

**ROD Committee:** No report.

**Scholarship:** Mr. Joe McIntyre referred to Will Fairey's financial report for information. This year the committee will raffle a Big Green Egg and a 1 year subscription to SCVRS and SCDOT online plans. Tickets are \$10 each or 3 for \$25.

**Survey Contest:** No report.

**Yearbook:** Mr. Andrew Wadsworth, Sr., reported the draft of the Yearbook has been approved. It is now ready and is on the "Member's Only" section of the new website that is expected to be up by the end of the year. In the meantime, any member needing a digital copy can contact the SCSPLS office and have one emailed to them.

## OLD BUSINESS:

**Disaffiliation of the Central Chapter:** The status of the Central Chapter was discussed at the July 18, 2013, Board meeting. Since that time a certified letter has gone out to the last 3 known presidents of the Chapter stating SCSPLS' concerns. President Leach received a response from Mr. Bill Lindler stating he would contact previous Chapter members to see if there was any interest in starting back up. Mr. Lindler did not receive a favorable response from those previous members. A motion was made to disaffiliate the Central Chapter and received a second. After discussion on the floor a vote was called. Motion passed unanimously.

## NEW BUSINESS:

**Board of Prof. Eng. & Surveyor's Report:** Gene Dinkins gave a report on behalf of the Board of Registration for Professional Engineers and Surveyors. Mr. Dinkins began by encouraging surveyors to attend the meetings of the Board of Registration. Meetings are open to the public and very informative.

The number of individuals taking the FS and PS exams nationally has dropped significantly since 2007. There is concern that another group could come in and water down current surveying laws and licensing procedures if there are not enough surveyors. Reasons the numbers have dropped include economy and technology. The group discussed ways to get more surveyors in the pipeline. The advantages and disadvantages of the 4 year degree requirement to



# MINUTES OF SCSPLS BOARD & GENERAL MEMBERSHIP MEETING

**Saturday, December 7th, 2013, The Citadel, Grimsley Hall, Charleston, SC**

the surveying profession were discussed.

Computer based testing for the FS exam will begin January 2<sup>nd</sup>, 2014. The PS exam is anticipated to be computer based by 2015. The state specific portion of the exam will not be computer based. The Board of Registration discussed the PE exam procedures. After deliberation, the Board determined there is nothing in the statutes that prohibits candidates from taking the exam before receiving the required experience as long as the educational requirements have been met. Mr. Dinkins asked the group for their opinion on extending this stance to the PS exam. The group discussed the advantages and disadvantages of taking the PS early. No action was taken by the SCPLS Board at this time.

The statute revisions are still open. The revisions include QBS and the prohibiting of brokering services. The Manufacturer's Alliance is expected to come back with another Industrial Exemption bill and the Board is watching that closely.

**Statute Revisions:** SCSPLS Lobbyist, Joe Jones, gave a legislative report. He began by informing the group that they are always represented at the Board of Registration meetings and encouraged more surveyors to attend.

At the end April, beginning of May, a broad Industrial Exemption bill was introduced. Through Grassroots effort, we were able to amend the bill so that surveying was taken out completely and the engineering exemption was limited to those industries regulated by the FAA. Since that time the Board of Registration has formed an Industry Exemption Committee comprised of representatives from the engineering, surveying and manufacturing communities. While the committee continues to work on a compromise, Mr. Jones is watching the pre-filing sessions carefully to make sure nothing is introduced before the committee has a chance to finish its work.

The Engineer and Surveyor Practice Act was introduced last year. It did not get to committee. The two controversial items in the bill are the Industrial Exemption and QBS. QBS has a bad connotation. It provides for the selection of a surveyor based on his/her qualifications as a professional and not on their price. The provision in the proposed statutes only pertains to public work, primarily directed to political subdivisions. SCSPLS members are urged to contact their House Representative and Senator on these issues. Mr. Jones will provide the SCSPLS with legislative alerts as this bill moves forward with instructions on what specifically to say to the legislatures when contacting them. Personal contact and phone calls work best, but emails are also noticed.

**References to Plat by Deceased or no Longer Practicing Surveyors:** Bobby Foster stated transfers of real property are being made with references to plats done by surveyors that are no longer in practice or deceased. He suggested that SCSPLS be proactive in coming up with a way to prevent this from continuing for the protection of the public. The Statute of Repose is 8 years, so a 7 year limit on referencing plats may be a solution. President Leach asked that the Legal & Legislative Committee look into this issue.

**Board of Registration Seats:** Kent Hudson stated he has heard from several members that there is interest in seeing a "surveyor only" member on the Board of Registration. The current surveyor representatives on the Board, Gene Dinkins and Johnny Johnson, have done an excellent job protecting the interest of surveyors,

however, they serve limited terms and it is important to make sure that surveyors will be well represented when new members to the Board are selected. The floor was opened for discussion. The group discussed the purpose of the Board of Registration, the ratio of licensed engineers to licensed surveyors and the current Board representation. No action taken at this time.

**2014 Convention:** Elliotte Quinn stated SCSPLS hosted SAMSOG at the 2013 convention in Charleston. It was one of the best conventions SCSPLS has had. SAMSOG has invited SCSPLS to join them in Savannah in 2014 and the committee has accepted that invitation. That convention will be July 17-19, 2014 at the DeSoto Hilton Hotel. More information will be forthcoming. Many hours of planning and much monetary investment goes in to the convention and President-Elect Quinn asked for better participation from our group for this 2014 Convention.

**Meeting Dates for 2013-14:** The Board and General Membership meeting dates scheduled for the remainder of the 2013-14 fiscal year are as follows: February 5<sup>th</sup>, 2014, at the DoubleTree Hotel, Columbia, SC; and April 5<sup>th</sup>, 2014, at Camp Buckhorn, Paris Mountain State Park, Greenville, SC. Motion made to approve the meeting dates. The floor was opened for discussion. On the national level, very few state surveyor associations meet as often as SCSPLS. It was suggested that SCSPLS needs to look into reducing the required number of meetings per year. Motion to approve the meetings as scheduled passed unanimously.

**Committee Appointment:** Motion made to appoint Matt Wellslager to Chairman of GPS/VRS Committee. Motion passed unanimously.

**PAC Committee Update:** Dennis Clinkscales stated he and Kim Long met with former legislature Jim Ritchie regarding the establishment of a PAC. After doing some research, Mr. Ritchie suggested SCSPLS not delve into the old PAC. As a 501c6, SCSPLS is able to create a PAC within the organization with separate funds. With all of the issues mentioned at today's meeting, it is apparent that SCSPLS would benefit from a PAC. Mr. Ritchie has offered to attend a meeting of SCSPLS to explain the benefits of the PAC and how it would work. Motion made to move forward with Jim Ritchie. The floor was opened for discussion. The best date for Jim Ritchie to present this to the group was discussed. His fees for presenting will still be kept within our budget for this expense. PAC's have to be formed correctly and require a commitment and reporting from the group. Motion passed unanimously.

**Closing Comments:** President Leach presented Brenda Smith and Kim Long with a Christmas bonus. He thanked everyone for their attendance and reminded them of the social on Sullivan's Island.

Motion to adjourn with a second. Vote unanimous.

Respectfully submitted,

Andrew B. Wadsworth, Sr., SCSPLS Secretary 2013-14

NEW!

P20



SPEED, ACCURACY, AND RANGE.  
WHO SAID YOU COULDN'T HAVE IT ALL?

One million points per second. 120 meters of extended range. Zero sacrifice of accuracy.

Some scanners are lightning fast. Others boast pinpoint accuracy. A few even go the distance of an entire football field. BUT, only the **NEW! Leica ScanStation P20** does all three with the performance level you have come to expect from the trusted world leader in HDS™ technology. Because of P20's breakthrough combination, fewer setups, less scanning time, unprecedented data quality at longer ranges, and the flexibility to tackle multiple types of jobs are now within your reach.... AND you will only need one scanner.

Go ahead, have it all.

[hds.leica-geosystems.us/p20](https://hds.leica-geosystems.us/p20)

For more information contact your local  
Leica Geosystems representative:  
Josh Rayburn  
P. 304-687-7600  
Email: [josh.rayburn@leicaus.com](mailto:josh.rayburn@leicaus.com)  
[www.leica-geosystems.us](http://www.leica-geosystems.us)

- when it has to be **right**

**Leica**  
Geosystems

# Learning the Art of Land Surveying

by Milton Denny, PLS

(Re-printed with permission from *Empire State Surveyor*, Vol. 48, No. 6)

Most surveyors today have a good background in math and science. The problem many face is learning how to survey land. Many of the older surveyors had a mentor that taught them the art of surveying, much as a medical student learns to be a doctor by serving time as an intern at a hospital. This system seems to be missing today for many people that pass the surveying test, but still don't know very much about surveying land. While we have many text books on the subject of surveying technology and law, what is missing is instructions on land surveying. The proof of this is the setting of many corners next to existing corners that should never be set. In judging a plat contest for a state society (not New York), a surveyor showed a found concrete monument with brass cap with drill hole. The surveyor noted the real corner was one hundred of a foot North and two hundreds of a foot West of the drill hole. This is a surveyor that doesn't understand surveying and doing the client a great disservice by showing this kind of foolishness. One of the most important things to learn is to recognize what evidence you may find. Let's start by talking about what evidence may look like as found in the field.

## Advice from surveyors past

*"The highest and best evidence of the location of a tract of land is that furnished by the monuments found on the ground and which have been made for that particular tract."*

*"The line originally run, fixed and marked is the true boundary line that will control irrespective of any mistakes or errors in running and marking the line."*

*"The marks on the ground of an old survey, indicating the lines originally run, are the best evidence of the location of the survey."*

*"The position of old fences may be considered in ascertaining disputed boundaries. As between the old boundary fences and any survey made for the monuments after dispute, the fences are by far the better evidence of what the lines of the lot actually were."*

## What things may I find that may be evidence

Following is a list of items that may be corner evidence. It would serve a surveyor well to be able recognize most of these items.

- Buggy Hub and Axle
- Shotgun Barrel
- War Cannon with Barrel Down
- Upright Railroad Rail
- Model "T" Ford Axle
- Pinched Iron Pipe
- Rock Piles
- Fences and All Kinds of Walls
- Balks-Ridges of Earth, Plow Lines
- Tree Blazed lines
- Witness Trees
- Stump Holes

- Field Stones
- Cut Stones
- Concrete Monuments
- Rebar or iron pipe with survey cap

## Where can I find record evidence related to my survey

- Original surveys or field notes in local courthouse
- Recorded plats and subdivisions
- Tax Assessor's office and tax documents
- Run a traverse closure of the deed and plot the deed
- The digital Quad sheets can be a great help in getting the overall picture
- Soil Conservation Service and historical aerial mapping
- Topo call from survey notes or old surveys
- House ties to property lines as shown on old surveys

## Neighboring property owners

You have not performed a complete research effort until you contacted the owners around your property, asking for old survey plats, copies of deeds and any other information they can provide. You may want to ask if they can show you some local known corners. Also ask if any older residents in the area may have additional information. A digital camera is an excellent way to make a copy of some old deed from a neighbor on location.

## Good faith locations

It may be held generally that the claimant, entryman, or owner of lands has located his or her lands by the good faith location rule if such care was used in determining the boundaries as might be expected by the exercise of ordinary intelligence under existing conditions. A good faith location is a satisfactory location of a claim or of a local point. It is one in which it is evident that the claimant's interpretation of the record of the original survey as related to the nearest corners existing at the time the lands were located is indicative of such a degree of care and diligence upon their part, or that of their surveyor, in the ascertainment of their boundaries as might be expected for that time and place. This is referred to as the good faith location rule.

The relationship of the lands to the nearest corners existing at the time the lands were located is often defined by fencing, culture, or other improvements. In many parts of the country, county and other local survey monuments, which may consist of pipes or stones commonly used at the time, may be found at the apparent corners of the entryman's improvements including fencing. The possible existence of such local monuments demands a diligent search for any records from the old local survey, but even if the monuments are of unknown origin they must be analyzed for good faith location. (BLM 2009)



### Satisfactory local conditions

It is not intended to disturb satisfactory local conditions with respect to roads, fences, and other evidence of use or occupancy. The surveyor has no authority to change a property right that has been acquired legally, nor accept the location of roads, fences and other use or occupancy as prima facie evidence of the original survey. Something is needed in support of these locations. This will come from whatever intervening record there may be, the testimony of individuals who may be acquainted with the facts, and the coupling of these things to the original survey. (BLM 2009)

### What do other surveyors say!

#### Boundaries and Landmarks

"A good deal has been written on this general subject with reference to public lands of the West, but little has been done in this line in connection with the ordinary conveyance of the eastern United States. My hope is to furnish something which may prove useful to those who are destined to wrestle with problems of this nature (placement of corners). No attempt will be made to describe methods of measuring the line; the intention is to furnish suggestions for finding the line which is measured. For after all, when it comes to a question of the stability of property and the peace of the community, it is far more important to have somewhat faulty measurement of the spot where the line truly exists than it is to have an extremely accurate measurement of the place where the line does not exist at all". (A. C. Mulford 1912)

How many of us have fallen into this trap.

### Conclusion

I hope you can see there may be a whole lot more to learning the Art of surveying than the math and science. Many of the surveyors of my generation have spent a life time learning the Art, and still learn new things almost daily.

### Reference Material

*The Surveyors Guide*, B.F. Dorr, 1886 *Boundaries and Landmarks*, A.C. Mulford, 1912 *Magnetic Surveys*, Howe & Hurwitz, 1964 *Government Surveying*, Shobal V. Clevenger, 1883 *United States Land Surveys*, John B. Cleary, 1936 *Methods of Land Identification*, M. Gose, 1941 *Manual of Surveying Instructions*, BLM, 2009

*Milton B. Denny, PLS has over forty years of surveying experience, is a registered surveyor in six states and a veteran of project development and management of surveying and mapping firms. He is a past president of the Alabama Society of Professional Land Surveyors. Mr. Denny is the author of many manuals dealing with marketing and management of firms for surveyors and photogrammetrists. He was instrumental in the creation the Geographic and Land Information Society and served as its first president.*

## Parker Poe's Unger Presents Boundary Law Seminar for Professional Surveyors



Parker Poe's Dick Unger presented a seminar on "Boundary Law in South Carolina" recently to the SC Society of Professional Land Surveyors (SCSPLS).

Unger, who has more than 35 years of experience representing public and private developers, buyers, investors and lenders, presented the discussion to the group gathered on Dec. 7 in Grimsley Hall at The Citadel as part of SCSPLS's Board and General Membership meeting.

An author and frequent speaker on real estate development topics, Unger covered the history of Palmetto State boundary laws, including changes and the outcomes of particularly interesting cases. He also discussed ALTA/ACSM Land Title Surveys from the attorney's point of view.

Unger is a certified circuit court mediator concentrating in property disputes and counsels clients in the development, acquisition, financing, operation, sale and leasing of all forms of commercial, industrial and residential real estate, with a particular emphasis on the resort development industry. He also is experienced in winning state and local zoning and other land use regulatory approvals for client developers.

For more information, contact Unger in the Charleston office of Parker Poe at (843) 727-2650 or [dickunger@parkerpoe.com](mailto:dickunger@parkerpoe.com).



## ROWE PROFESSIONAL SERVICES COMPANY

Surveying - Aerial Photography/Mapping  
Engineering - Landscape Architecture - Planning






Call SCSPLS  
President  
and  
ROWE Project  
Surveyor  
Aaron F. Leach, PLS  
today!

# 843 - 444 - 1020

## www.rowepsc.com

Large Firm Resources. Personal Attention.™

## SCSPLS Website



The newly designed SCSPLS website is ready! One of the features of the new site is the “Find a Surveyor” search engine. This will allow the public to go on to our site and search for a land surveyor by last name, business name, or zip code. Only current SCSPLS members will be listed. The

information that will be displayed includes first and last name, company name, preferred mailing address, phone number and email address. If you would like to be included in this search engine and have not already returned your “Find a Surveyor” form, please contact the SCSPLS office. **We must have your signature in order to include your information in the “Find a Surveyor” search engine.**

## Board of Registration for Professional Engineers and Surveyors

OFFICERS - Board of Engineers & Surveyors Officers for 2014:

Timothy W. Rickborn	-	Chair
Dennis J. Fallon	-	Vice Chairman
John P. Johnson	-	Secretary

MEETINGS - Meetings of the Board of Engineers & Surveyors are held in Columbia, SC at the Kingstree Building in the Synergy Business Park. Meetings are posted on the LLR website and are open to the public. The 2014 scheduled meetings dates are as follows:

January 21<sup>st</sup>, 2014  
 March 13<sup>th</sup>, 2014  
 April 8<sup>th</sup>, 2014  
 July 15<sup>th</sup>, 2014  
 September 23<sup>rd</sup>, 2014  
 November 10<sup>th</sup>, 2014

NEW PROGRAM ASSISTANT – The Engineering/Surveying Board has a new program assistant, Britton Jenkins. Ms. Jenkins can be reached by phone at (803) 896-5147 or email at [britton.jenkins@llr.sc.gov](mailto:britton.jenkins@llr.sc.gov).

## Welcome New Members

The following new members were approved at the December 7th, 2013 Board & General Membership meeting: **Full:** Christian Anderson, DDC Engineers, Inc., Myrtle Beach, SC; Byron B. Berry, Beaufort, SC; David C. Huntley, David C. Huntley & Associates, Inc., Hendersonville, NC. **Complimentary:** Wendell R. Ball, Mulkey Engineers & Consultants, Youngsville, NC; Aaron W. Knight, Cornerstone Surveying & Engineering, Summerville, SC. **Associate:** Matthew J. Wellslager, SC Geodetic Survey, Columbia, SC. **Student:** Michael D. Bitzky, Florence-Darlington Tech, SC.

**Emeritus:** Thurl M. Amick, Sr., Sinclair & Associates, Inc., Simpsonville, SC; William A. Blackwood, Jr., Blackwood Associates, Inc., Spartanburg, SC; Carl W. Bostick, Bostick Surveying, Irmo, SC; Michael S. Culler, Jr., Culler Land Surveying, III, Inc., Surfside Beach, SC; John Q. Hall, York, SC; Robert L. Hiers, Walterboro, SC; Warren P. Jenkins, Mt. Pleasant, SC; Bobby J. King, Summerville, SC; Heinz B. Krause, Hawley, PA; Robert K. Leake, Greenwood, SC; Murdoch E. Lind, Jr., Lind Hicks & Assoc. Surveying, Inc., Timmonsville, SC; Carl Maness, Bennettsville, SC; Joe E. Mitchell, Sr., Mitchell Surveying, Woodruff, SC; Robert F. Morgan, Pamplico, SC; Ferrell J. Prosser, Prosser Surveying Co., Inc., Florence, SC; Richard L. Stroman, Orangeburg, SC; William R. Tripp, Tripp Land Surveying, Aiken, SC; Terry M. Watson, Conway, SC; W. Gene Whetsell, Walterboro, SC; Charles A. Whitaker, Whitaker Engineering, Inc., Union, SC; Milledge L. Wilson, Sr., Prosperity, SC; David S. Youmans, Beaufort Surveying, Inc., Port Royal, SC.

## Legislative Report for SCSPLS – Joe Jones

Comparatively speaking, the legislature has been slow for the last several months. There have been some committee hearings, and the House Ways and Means Committee is beginning to hear budget requests from state agencies.

The Industry Exemption Committee set up by SC State Board of Registration for Professional Engineers and Surveyors Chair, Theresa Hodge, has met twice. The committee consists of representatives of engineering and surveying groups and representatives of the SC Manufacturers' Alliance. They are shooting for some compromise the first of the year.

I have met with two senators and a house member on S. 497 and H. 3832, the rewrite of the Engineers and Surveyors Practice Act. Aaron Leach, PLS, met with Rep. Nelson Hardwick and me in Myrtle Beach. I made a presentation to the SCSPLS Midlands Chapter Nov. 25 to talk about the procurement of professional services, including surveying and engineering, and the industry exemption issue. I have also met with the President of the South Carolina Chamber of Commerce. We discussed possible compromises to the industry exemption issue and the procurement of professional services. I plan to pass along his ideas to the boards of directors of SCSPLS, ACEC-SC and SCSPE.

In order to pass the rewrite of the practice act to include the section of procuring professional services and to have a reasonable and legitimate industry exemption everyone needs to contact his or her legislators in support of these bills. Each of you has only one member of the House of Representatives and one State Senator. That means you have only two contacts. Between now and the middle of January, please take the time to reach out to your legislator and senator and express your thoughts on these two bills.



# SALE PRICE EVERYDAY!

1-800-251-1280 or [www.hayesinstrument.com](http://www.hayesinstrument.com)



**New  
for 2013**

As Low As  
**\$211.00**  
Per Month



## HiPer V

### Base/Rover Production Tool

Topcon extends the reach of Vanguard Technology into the HiPer V product.

With 300% increase in channel availability and Topcon's exclusive Universal Tracking technology, the HiPer V is ready to increase your productivity.

#### New Features:

- 226 Channel Vanguard Technology
- Fence Antenna technology for superior signal tracking
- New internal Bluetooth Technology
- New HSPA faster modem models available



## Your Choice of 2 Great Network Rovers



### HiPerSR Network Rover Package Complete Integrated Rover Unit

#### Package includes:

- Topcon HiperSR w/Glonass
- Topcon-236 Field Controller
- Topcon Magnet™ GPS (only) software
- 2 Meter Rod

\*As Low As  
**\$216.00**  
Per Month

*\*Price is \$216.00 per Month  
for 60 Months.*

Enterprise



Field

Office



As Low As  
**\$236.43**  
Per Month

## Tesla RTK Rover

### Integrated RTK GNSS Receiver

- Network RTK Rover
- GIS GPS Rover
- Data Collector for GPS & Total Station
- 5.3" wide x 8.6" long x 2" deep
- Built-in 3.2MP Camera
- 3.5G Cellular Module
- Built-in Bluetooth® and WiFi
- 5.7" Display with Windows® Mobile 6.5.3 Operating System
- 806 MHz processor

The **Topcon Tesla RTK** is the largest screen, single-handed, handheld controller on the market that can also be utilized as a network RTK Rover. This controller is best to maximize the **MAGNET™ Field** user experience.

## MAGNET™

*A family of software solutions that streamlines the workflow for surveyors, contractors, engineers and mapping professionals.*

**MAGNET™ Field** is controller software that increases your productivity.

- Calculate: Inverse, Intersection, Curves, Area, Traverse, DTM
- Stake: Points, Lines, Surface, Curve, Real-Time Roads, Slope
- Cloud connected data exchange and backup
- Survey: Topo, Auto Topo, X-Section





# Spotlight on SCSPLS Members

## THURL M. AMICK, SR.

### *How did you get started in Surveying?*

It was almost 53 years ago the summer of 1961 and I had just been laid off from Richmond Engineering Company, where I had worked for approximately 3 years as a welder in the manufacturing of steel storage tanks. A close friend of mine advised me of a job opening with the SCDOT as a Rodman on a pre-construction survey crew. I applied and was hired, thus starting my career in surveying. I had grown up spending a lot of time on my Granddad's farm and loved the outdoors, so this was a great fit for me. At the time I knew absolutely nothing about surveying and all I did for about the first month was cut cross-sections for the I-20 roadway design near Columbia. The more I learned about surveying the greater my passion for the profession grew. As my career developed, it led me from the SCDOT to Wilbur Smith & Associates, to McClure Surveying, to Enwright & Associates, to Piedmont Engineering (Arcadias), to AOS, Inc. (as a partner), to BP Barber, to retirement and now back part-time with Sinclair & Associates.

I can't tell my story without mentioning my wife Helen and how she contributed to my career. My career in surveying began only six months after we were married. She has shared greatly in my career, always at my side as we traveled through the years together. Like me, she has always been very much interested in the profession. She has given me a tremendous amount of support and encouragement throughout years. In 1986 during my term as President, she single handedly put on a fund raising raffle at the convention and presented the funds to SCSPLS for the creation of The SCSPLS Scholarship Trust, which in my mind was a historic event in the history of SCSPLS. For many years following that year she consistently ran the raffle fundraisers at the conventions.

### **Craziest experience while Surveying - Any Surveying stories you would consider sharing.**

This is a true story and was once published a long time ago in a previous issue of the Benchmark. It was titled "The Snake That Came in Out of the Cold" not to be mistaken for a Richard Burton Movie titled "The Spy That Came in Out of the Cold."

During one summer in the mid to late 1960's, while working in Richmond, Virginia with Wilbur Smith & Associates there were two brothers working on my survey crew. One day on leaving the project site they captured a pine snake and took it back to their motel room and placed it in a box. I asked, "What are you going to do with it?" Their response was "keep it for a pet." The next morning the Survey Manager and I pulled up in the parking lot near their room and tooted the horn to let them know we had arrived to pick them up for work. We waited for some time and after several toots, no one came out. As I was about to go in to get them, they came running out the door and



laughing big time. We asked them what was so funny. They told us that during the night the snake had gotten out of the box and they could not find him. I asked "did either of you look in your bed?" They asked why and I replied "You had the AC going and he got cold last night and crawled in bed with one of you to get warm." They laughed and commented "you are nuts" and we left to go to the job site without finding the snake.

This was a long running project and we had been staying at this motel for a long time and the motel owner knew all of us extremely well. That afternoon when returning after a day's work and as we were pulling into the motel parking lot the Owner flagged us down, he informed us that his house keeper had found the snake and refused to go back into the room and he had to find someone else to clean the room. He said that "the housekeeper pulled back the covers on one of the beds and saw the snake. She had told him that she thought that no one would have a live snake in their bed and that it had to be just a toy. She reached to remove it and it moved, causing her to panic and run screaming out of the room." The Owner said when he got to her she was white as a sheet, crying and about to faint. Now days it would be politically incorrect for me to give an exact quote of what the owner said. One might think that the motel owner would have been sore at us, but no, he also thought it was funny and asked if he could have the snake to give to his son for show and tell at school. The two brothers agreed. To this day neither has ever admitted to which one had slept with the snake or if they even knew.

Today I am not sure if either will admit to this story or if they even remember, but to this day it sticks in my mind as if it happened yesterday. I have not mentioned their names and I am going to keep you guessing. I will give you a couple of small hints. One is a current member of SCSPLS, is a past president and has the initials CB.

### **Advice for a newly licensed surveyor.**

This is an honored profession and you are following in the footsteps of some great men in our history: George Washington, Thomas Jefferson and Abraham Lincoln.

Always do the following, not just in work but also in your daily life;

- Hold yourself to highest level of professional and personal ethics.
- Be and act as a professional.
- In how you and your staff dress and act. You aren't professional if you don't look it and act it.
- Do what you say and do it when you say it. Always be true to your word.

- Take on no project without a detailed written contract.
- Always believe in yourself and take pride in what you do.
- Always strive to be the very best.
- There will be times you won't succeed, but these are not necessarily failures. The failure is not getting up and moving on and trying again.
- Don't be afraid to charge for your services. You can't pay your staff a professional wage if you don't charge fees appropriately.

### Positives about the Surveying Profession.

- Working outdoors.
- Involvement in using new technologies.

- Seeing your project grow from the ground up. You will usually be the first on the project and have the opportunity to see it grow.
- Networking, not only with other surveyors, but will be able to work closely with other professions, i.e. engineers, architects, developers, etc. to build strong relationships.
- As you follow other surveyors in a retracement survey you develop a feel of how he worked and the difficulties he may have encountered in his survey. This knowledge will be an asset to you in future surveys.
- Possibilities of travel. Able to meet new people and see new places and experiences.

## NSPS MEMBERSHIP

One program that is intended to strengthen the voice of the surveying profession on all levels is the joint NSPS membership program with state surveying societies. Any time NSPS is representing surveyors in any arena, one of the first questions asked is "how many members do you have?" Whether we like it or not, numbers do matter when attempting to get across a point of view and influence opinions. As of January 1, 2014, all full, in-state members of SCSPLS are also members of NSPS. Look for your "New Member" packet coming from NSPS.



### Surveying Specialty Areas and Related Fields

ETSU's B.S. in Surveying and Mapping Science degree provides a sound educational foundation for entry into the following specialty areas and related fields

- Boundary surveying
- Construction surveying
- Topographic surveying
- Geographic Information System analysis
- Hydrographic surveying
- Mine surveying
- Forensic surveying
- Geodetic surveying
- Photogrammetry
- Land development
- Cartography



In addition, it provides a good foundation for graduate study in the following fields

- Engineering
- Law
- Urban and Regional Planning
- GIS
- Geodesy
- Cartography

### The surveying profession awaits, and ETSU wants you!

Because society needs surveyors more than ever, and because surveying programs are comparatively rare, we are reaching out to prospective students in several unique ways, including:

- Academic Common Market agreements with several states abutting Tennessee which allow their residents to pursue the B.S. in Surveying and Mapping Science degree at in-state tuition rates.
- Articulation agreements with several community colleges to smooth the transfer of their classes to ETSU.
- Maximizing the use of distance learning technology to allow students to attend classes without having to leave their homes or jobs. All surveying classes have class web sites to assist in the delivery of class materials and most surveying classes have videostreamed lectures that allow the students to participate in class live without having to come to Johnson City, or to view recorded lecture sessions at their leisure.

#### Want to know more?

About the surveying profession:

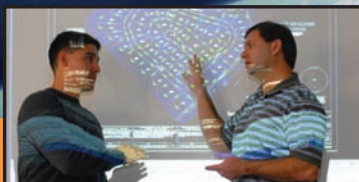
- [www.surveyingcareer.com](http://www.surveyingcareer.com)
- [info@surveyingcareer.com](mailto:info@surveyingcareer.com)

About East Tennessee State University:

- [www.etsu.edu](http://www.etsu.edu)
- [gotoetsu@etsu.edu](mailto:gotoetsu@etsu.edu)

About ETSU's Surveying and Mapping degree program:

- [www.etsu.edu/scitech/ento/sams.htm#](http://www.etsu.edu/scitech/ento/sams.htm#)
- Jerry D. Taylor, program coordinator: [taylorjd@etsu.edu](mailto:taylorjd@etsu.edu) or 423-439-7701



Where on  
**Earth**  
are You?



Surveyors have the answer to that and many other "where" questions.

...and **ETSU** can help you get to where you want to be as a Professional Surveyor!



# GET LISTED ON OUR SURVEYOR LOCATOR

FAX BACK FORM TO (856) 269-4465

LUNCH & LEARN OFFER AT YOUR OFFICE - FOOD IS ON US

## UNDERSTANDING FLOOD VENTING REGULATIONS = SAFETY AND LOWER PREMIUMS FOR YOUR CUSTOMERS

A frequent red flag for structure compliance on a NFIP Elevation Certificate is proper flood openings. After this course you will have a thorough understanding of FEMA's Technical Bulletin 1-08, ICC Building Codes, NFIP Regulations, ASCE 24-05, and most importantly how flood openings directly affect flood insurance premiums as well as the sustainability of a home during a flood event. Engineered and non-engineered flood openings will be discussed in detail, and what certifications and calculations are required.

Once trained, a listing on our online locator brings your company instant creditability and we will gladly promote your company to our 35,000+ monthly website visitor's EC needs.



Contact Name \_\_\_\_\_

Company Name \_\_\_\_\_

Full Address \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

Available Dates \_\_\_\_\_



  
**SMART VENT®**  
Foundation Flood Vents  
[www.smartvent.com](http://www.smartvent.com)



# THANK YOU TO OUR 2013-14 SUSTAINING MEMBERS

Allen Precision Equipment, Inc. – [www.allenprecision.com](http://www.allenprecision.com)  
 Continental Aerial Surveys, Inc. – [www.conaers.com](http://www.conaers.com)  
 Duncan-Parnell, Inc. – [www.duncan-parnell.com](http://www.duncan-parnell.com)  
 Hayes Instrument Company – [www.hayesinstrument.com](http://www.hayesinstrument.com)  
 Independent Mapping Consultants – [www.imcmapping.com](http://www.imcmapping.com)

Insurance Management Consultants, Inc. – [www.imcipls.com](http://www.imcipls.com)  
 Smart Vent Products, Inc. – [www.smartvent.com](http://www.smartvent.com)  
 Transit and Level Clinic – [www.transitandlevel.com](http://www.transitandlevel.com)  
 Trimble – [www.trimble.com](http://www.trimble.com)

800-241-6223 Toll Free  
 770-279-7335 Fax

[www.allenprecision.com](http://www.allenprecision.com)  
[tforan@allenprecision.com](mailto:tforan@allenprecision.com)



**ALLEN PRECISION EQUIPMENT, INC.**

1550 BOGGS ROAD  
 DULUTH, GEORGIA 30096

TRACY FORAN  
 GENERAL MANAGER



**BEASLEY LAND SURVEYING, INC.**  
 LARRY T. BEASLEY S.C. PLS 9544

BOUNDARY  
 TOPOGRAPHIC  
 AS BUILTS  
 CONSTRUCTION STAKING  
 ELEVATION CERTIFICATES

P.O. BOX 30784  
 6094 FRIENDSHIP LANE  
 MYRTLE BEACH, S.C. 29588  
 843-650-7722  
 FAX 843-650-7723

S.C./N.C. LICENSED

## GLENN ASSOCIATES SURVEYING, INC.

11547 State Highway 215 South  
 Post Office Box 12  
 Jenkinsville, South Carolina 29065  
 Tel. (803) 345-5297  
[www.glennassociates.com](http://www.glennassociates.com)



### BRIAN B. BONDS

P.L.S. # 28582

Mobile (803) 360-9705

E-mail: [bbonds@glennassociates.com](mailto:bbonds@glennassociates.com)



R. David Branton, PLS & PE

1240 Bacons Bridge Road  
 Summerville, SC 29485-4114  
[david@CornerstoneSE.net](mailto:david@CornerstoneSE.net)  
[www.CornerstoneSE.net](http://www.CornerstoneSE.net)  
 Office: (843) 871-9706 Ext. 12  
 Facsimile: (843) 851-3166  
 Mobile: (843) 345-8068

## Culler Land Surveying III, Inc

PO Box 14327  
 Suite 103, 1010 5<sup>th</sup> Ave NW  
 Surfside Beach SC 29587-4327



**Michael S. Culler, III - President**

*All Phases of Surveying – Land Planning*

Phone (843) 238-2333 Cell (843) 241-2666  
 Fax (843) 238-1711 [msculler3@sc.rr.com](mailto:msculler3@sc.rr.com)



(803) 254-0518  
 (803) 765-0993 fax

724 Beltline Blvd.  
 Columbia SC 29205

[cdinc@coxanddinkins.com](mailto:cdinc@coxanddinkins.com)

[coxanddinkins.com](http://coxanddinkins.com)

## the BRIGMAN COMPANY

### F. William Fairey, IV

Licensed Land Surveyor  
 SCPLS #27446/NCPLS #L-4972

P.O. Box 1532  
 Conway, SC 29528  
 (843) 248-9388 - Mobile (843) 340-0285  
 Fax - (843) 248-9596

Email - [wfairey@thebrigmancompany.com](mailto:wfairey@thebrigmancompany.com)  
[www.thebrigmancompany.com](http://www.thebrigmancompany.com)

## ROBERT FRANK - LAND SURVEYING



1923 MAYBANK HIGHWAY  
 CHARLESTON, SC 29412

Phone 843-762-4608 Fax 843-795-5970

Email - [robertfranklandsurveying@comcast.net](mailto:robertfranklandsurveying@comcast.net)



Robert L. Frank RLS# 4177

Robert L. Frank II PLS #20463  
 Cell 843-607-9998



## **GASQUE & ASSOCIATES INC.**

LAND SURVEYORS & PLANNERS

DAVID E. GASQUE, R.L.S.  
President  
843-522-1798  
FAX 522-8238

28 Professional Village Circle  
Beaufort, SC 29902  
P.O. Box 1363  
Beaufort, SC 29901

E-mail: [surveyor@islc.net](mailto:surveyor@islc.net)

Terry G. Hatchell, PLS  
President



17 Sherington Drive, Suite C, Bluffton, SC 29910 • P.O. Box 2395  
Phone: 843-815-3304 • Fax: 843-815-3305 • Cell: 843-384-8488  
[thatchell@surveyingconsultants.com](mailto:thatchell@surveyingconsultants.com)  
[www.surveyingconsultants.com](http://www.surveyingconsultants.com)

### **PITTMAN PROFESSIONAL LAND SURVEYING**

FORT MILL, SC - CAMDEN, SC

Boundary - Estate - Flood - Subdivision - Topographic

[www.pplssurvey.com](http://www.pplssurvey.com)

KENT COOPER HUDSON PLS  
Survey Manager

P.O. Box 1512 Fort Mill, SC 29716  
2183 Duck Cove Road Camden, SC 29020  
Fort Mill 803.547.7369 Camden 803.310.3127  
Fax 803.547.0766 email: [kent@pplssurvey.com](mailto:kent@pplssurvey.com)



### **CHARLES W. LAWLEY**

SURVEYING & CONSTRUCTION - SALES & SERVICE



602-G E. Chatham Street  
Cary, NC 27511  
919-467-7782  
Fax: 919-481-6506  
[sales@transitandlevel.com](mailto:sales@transitandlevel.com)

<http://www.transitandlevel.com>

### **GLENN ASSOCIATES SURVEYING, INC.**

11547 State Highway 215 South  
Post Office Box 12  
Jenkinsville, South Carolina 29065  
Tel. (803) 345-5297  
[www.glennassociates.com](http://www.glennassociates.com)



#### **MARK E. MILLS**

P.L.S. # 10779 Mobile (803) 315-7918  
E-mail: [memills@glennassociates.com](mailto:memills@glennassociates.com)

### **GLENN ASSOCIATES SURVEYING, INC.**

11547 State Highway 215 South  
Post Office Box 12  
Jenkinsville, South Carolina 29065  
Tel. (803) 345-5297  
[www.glennassociates.com](http://www.glennassociates.com)



#### **MICHAEL R. MILLS, SR.**

P.L.S. # 11606 Mobile (803) 312-3525  
E-mail: [mrmills@glennassociates.com](mailto:mrmills@glennassociates.com)

### **PARKER LAND SURVEYING, LLC**



Stephen S. (Steve) Parker, PLS  
President

Tel: 843-554-7777  
Fax: 843-554-7779  
Cell: 843-696-3802

[sparker@plssc.com](mailto:sparker@plssc.com)  
[www.plssc.com](http://www.plssc.com)  
5910 Griffin Street  
Hanahan, SC 29410



### **THOMAS & HUTTON**

F. ELLIOTTE QUINN, III, PLS  
Principal

[quinn.e@thomasandhutton.com](mailto:quinn.e@thomasandhutton.com)  
p: 843.725.5252 c: 843.830.2491

682 Johnnie Dodds Blvd., Suite 100  
Mount Pleasant, SC 29464  
Post Office Box 1522 (29465-1522)  
[www.thomasandhutton.com](http://www.thomasandhutton.com)



### **BEAUFORT SURVEYING, INC.**

Lowcountry Land Center  
1613 Paris Avenue  
Port Royal, South Carolina 29935

#### **DAVID S. YOUMANS, P.L.S.**

Owner / President  
(843) 524-3261  
Cell (843) 321-0508  
Fax (843) 524-0277  
[david@bftsurveying.com](mailto:david@bftsurveying.com)

Member  
SCSPLS



*Place your  
card ad here  
to support  
SCSPLS*