



THE

# INTERIOR ANGLE



## KAPS 2013, Summer Issue

Kentucky Association of Professional Surveyors, 2013 - Issue 3

Photo provided by Don Pedigo



**ADVERTISEMENT POLICY**

*The Interior Angle* is the official publication of the Kentucky Association of Professional Surveyors (KAPS). It is published quarterly for the purpose of communicating with the professional surveying community, related professions and others with an interest in surveying. *The Interior Angle* is financed primarily by membership dues although advertisements are welcome from service and product industries relating to the needs and activities of the profession. *The Interior Angle* is mailed to KAPS members and similar organizations on a complimentary basis.

Articles and advertisements appearing in this publication are not the policy of the association unless specifically so stated. The association does not assume any responsibility for statements made or opinions expressed in the articles, advertisements or other portions of this publication. Articles may not be reproduced in whole or in part without the written permission of the editor.

*The Interior Angle* welcomes and encourages comments, opinions and responses by readers. Letters should be addressed to:

Editor — The Interior Angle  
124 Walnut Street  
Frankfort, KY 40601

Letters must be signed and include a daytime telephone number. The name of the letter's author may be withheld if requested. Letters may be edited for clarity and length.

*The Interior Angle* is published quarterly by the Kentucky Association of Professional Surveyors. All advertisements contained within *The Interior Angle* are published as a service to readers. Their publication does not imply or express any endorsement or recommendation by KAPS. The rates are as follows:

Size	Per Issue/Per Year
Full Page	\$175.00/\$600.00
1/2 Page	\$100.00/\$350.00
1/4 Page	\$65.00/\$225.00
Business Card	\$50.00
Business Card (KAPS Member)	\$25.00
Classified	\$40.00
Classified (KAPS Member)	\$20.00

Corporate Members receive a free business card ad in every issue.

Publisher — The Interior Angle  
Colleen Comer Courtwright  
124 Walnut Street  
Frankfort, KY 40601  
(502) 695-2349 • (800) 866-3029  
E-mail: [ComerCourtwrightKAPS@gmail.com](mailto:ComerCourtwrightKAPS@gmail.com)

# Table of Contents

From the President's Desk  
[Page 4](#)

KY BOL The Board Report  
[Page 8](#)

KY BOL Board Members and Calendar  
[Page 11](#)

2014 KAPS Annual Conference  
[Page 12](#)

Andy Kellie "Dog Days"  
[Page 13](#)

Kyle Elliott "Meanderings"  
[Page 16](#)

Fall Seminar Schedule  
[Page 19](#)

KAPS Board Report  
[Page 23](#)

Don Pedigo "KAPS Annual Golf Outing  
& Picnic"  
[Page 26](#)

KAPS Registration Form  
[Page 33](#)

## KAPS 2013 Officers & Directors

President .....Thomas Clayborn, PLS  
 President-Elect .....Jonathan Payne, PLS  
 Vice President,  
 External Affairs ..... John Schneider, PLS  
 Vice President,  
 Internal Affairs ..... Kevin Phillips, PLS  
 Past President ..... Don Pedigo, PLS  
 Secretary ..... Bob Fentress, PLS  
 Treasurer .....James Mayo, PLS, PE

## Ex-Officio Directors

Professional Development  
 Chair ..... Don Pedigo, PLS  
 NSPS Governor .....Craig Palmer, PLS  
 KY State Board of  
 Licensure Liaison ..... Chris Gephart, PLS  
 KSPE Liaison ..... Don Pedigo, PLS  
 GIAC Liaison .....Ted Niemann, PE, PLS  
 KAMP Liaison (Non-Voting) ..... Steve Lilly, PLS

## Directors

Tom Bushelman, PLS	Tom Crabtree, PLS
Bob Fentress, PLS	Bill Jones, PLS
James Mayo,	Bob Westermeyer, PLS

## Chapter Chairs

Audubon ..... Mike Ladnier, PLS  
 Barren River ..... Shaun Foley, PLS  
 Bluegrass Capitol ..... Kevin Phillips, PLS  
 Falls of the Ohio .....Tim Gelhausen, PLS  
 Green River ..... Bobby Miller, PLS  
 Highlands ..... Johnny Justice, PLS, PE  
 Jackson Purchase Area .... Jonathan Payne, PLS  
 Northeast .....Mike Ruggles, PLS  
 Northern Kentucky ..... Steve Lilly, PLS  
 Southeast ..... John Ledington, PLS

## KAPS Office Staff

Molly Forrest, Administrative Assistant

An Affiliate of the American  
Congress on Surveying and Mapping and  
The National Society of Professional Surveyors



## KAPS 2013 Standing Committee Chairs & Co-Chairs

Annual Conference ..... Tom Clayborn, PLS  
 Annual Picnic .....Don Pedigo, PLS  
 Boy Scouts .....James Robert, PLS  
 By-Laws ..... Tom Bushelman, PLS  
 County Surveyors .....Richard Montgomery, PE, PLS  
 Education .....Dr. Ronald E. Gallagher, PLS  
 Ethics & Professional Practice ..... Chris Gephart, PLS  
 Finance ..... James Mayo, PLS  
 GIS .....Edmund "Moe" Miller, PLS  
 Legislative ..... Bob Fentress, PLS  
 Membership ..... Tom Clayborn, PLS  
 Minimum Standards ..... Donald Pedigo, PLS  
 Nominating ..... Jonathan Payne, PLS  
 Past Presidents ..... Don Pedigo, PLS  
 Policy Manual ..... Tom Bushelman, PLS  
 Professional Development .....Don Pedigo, PLS  
 Public Relations ..... Kevin Phillips, PLS  
 Publications / Newsletter ..... Doug Comer, PLS, PE  
 Scholarship ..... John St. Clair, PLS

On the Cover: Kenny Kingsbury  
from Qk4 enjoys the beautiful  
weather for a round of golf at the  
Annual Golf Outing on June 14<sup>th</sup>.

## Tom Clayborn, PLS

Kentucky Association of Professional Surveyors  
124 Walnut Street • Frankfort, Kentucky 40601

# From the President's Desk

Summer is here and I hope that you have been wearing your sunscreen. This is the time of year when traditionally most of us are at our busiest. Remember when you are out in the elements to drink plenty of liquids and to be safe with the heat and all the varmints.

Thank you to Don Pedigo for his hard work on the Golf Outing and the Picnic. These two events give us a chance as a professional society for fellowship with one another and to raise some funds for our scholarship program. We raised around seven thousand dollars this year with these two events. Don always puts a lot of time and effort in planning these two events for KAPS.

We have been busy at KAPS also. The conference committee had its first and second meeting and we are well on our way in preparation for next year's conference. Thank you to the committee members who are working hard in planning next year's conference.

Molly and Don are working hard on the preparation for fall seminars. A schedule should be out shortly for these classes. If you need professional hours please attend one of our great fall seminars.

We have been working on the MOU for our 100 percent affiliation with NSPS. A committee has been formed to review and edit the MOU for NSPS. Thank you to all the volunteers who are giving up their time to make this happen.

I and several other KAPS members traveled to Frankfort last May to have a picture taken with Governor Beshear for the statute of limitations bill signing. Our thanks to Rachel Phelps of Government Strategies for making the photo shoot arrangements with the Governor's Office.

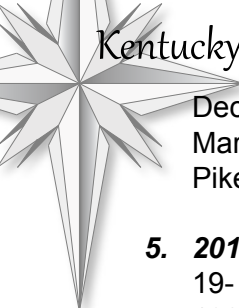
In April, several of us worked with the Board of Licensure on review of Kentucky licensing exam. This was a great experience for those attending. It was interesting to learn how our exam is developed. The Board proposes to meet in the near future to compose more questions for the exam.



As your president, I appreciate your support and hope you will not hesitate to contact me with questions, comments, suggestions or concerns. Together we will strive to successfully resolve issues faced by our profession. Again, I am honored to serve with all of you.

### **Mark Your Calendars:**

1. ***Kentucky Board of Licensure Meeting:***  
August 16, 2013, 8:30 AM Location: Kentucky Engineering Center, 160 Democrat Drive, Frankfort, KY 40601
2. ***KAPS Board of Directors Meeting Saturday,***  
September 21, 2013 at 10:00 AM EST, at the Kentucky Engineering Center, 160 Democrat Drive, Frankfort, KY 40601
3. ***Kentucky Board of Licensure Meeting:***  
October 11, 2013, 8:30 AM Location: Kentucky Engineering Center, 160 Democrat Drive, Frankfort, KY 40601
4. ***KAPS Board of Directors Meeting Saturday,***



December 08, 2013 at 10:00 AM EST at  
Marriott Griffin Gate Hotel, 1800 Newtown  
Pike, Lexington, Kentucky

- 5. **2014 KAPS Annual Conference** , February 19- 22, 2014 at Marriott Griffin Gate Hotel, 1800 Newtown Pike, Lexington, Kentucky.

**Legislative Update:**

- 1. House Bill 145 has passed the Kentucky legislature; this limits the liability of the signing surveyor to one year statute of limitations from litigation.
- 2. KAPS continues evaluation of Plat Law legislation. The legislation committee is reviewing the language as introduced in 1990 and contemplating how we would like to proceed.
- 3. Timber Theft and Trespass Reduction Task Force, HCR 42; Representative Combs has been introduced a resolution to modify this statute. The new resolution will have a representative from KAPS on its 19 member board. This resolution never received consideration in 2013.
- 4. Easement Regulation Committee, the committee is currently reviewing if we need any additional standards for establishing easements.

**Special Committee and Information Update:**

- 1. Kentucky-Tennessee State line Monuments:

Jim Riney is finalizing the last of the monuments along our southern border. Jim's hard work in recovering and referencing these historic monuments is much appreciated.

- 2. KY/TN State Line Middleton Offset; Don Pedigo is gathering information and will soon be finding or reestablishing this historic corner on our state line. This monument has a very rich and interesting history. If you have a chance, ask Don Pedigo or Bob Fentress about this offset and learn more on how our State line was established.
- 3. The 2014 conference committee will have another meeting in August in Frankfort for the preparation for next year's conference. Next year's conference is February 19- 22, 2014 at Marriott Griffin Gate Hotel, 1800 Newtown Pike, Lexington, Kentucky.
- 4. Don Pedigo has started the preparation for the KAPS Licensure Nomination Committee. Richard Howerton's seat on the board is up for nominations as his first term ends at the end of the year but he is eligible for another term. Don has spoken with Mr. Howerton he is very interested in continuing his position on the board. Don has asked Chapter Chairman, to poll their members via email, phone, or at chapter meetings and provide Don with any nomination(s) for the position.

Tom Clayborn, PLS  
2013 KAPS President  
765-717-2006  
tomc@morleyandassociates.com

# KAPS Welcomes New Members!

Rodney J. Kelly - Audubon Chapter  
Joseph K. Mullins - Bluegrass Capital Chapter  
Jeffrey R. Wagner - Bluegrass Capital Chapter



# Engineer Safety Gram



13-17

30 July 2013

## Safety is a Team Effort

A true commitment to safety by the employees and the employer will help provide a safe working environment for all. Too often shortcuts become acceptable in order to meet deadlines. A shortcut can easily lead to serious injury or fatality -- not necessarily every time, but sometimes.



### *Shortcuts such as these have killed or badly hurt workers:*

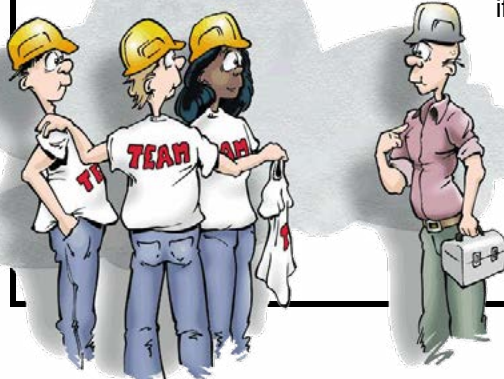
- ◆ Walking through a traffic area in the parking lot or yard instead of sticking to the pedestrian routes.
- ◆ Unjamming a saw in a mill without shutting down and locking out the equipment.
- ◆ Entering a confined space, even for just a minute, without putting on the right respiratory protection.
- ◆ Failing to put on a seatbelt for a short motor vehicle trip.
- ◆ "Bunnyhopping" a ladder instead of climbing down and shifting it.
- ◆ Using the wrong tool for the job because you don't have the patience to stop and retrieve the appropriate one.
- ◆ Using a chemical without checking the label and Material Safety Data Sheet for precautions and instructions.
- ◆ Passing on your own dangerous shortcuts to a new employee without even realizing it. You'll both be in the dark, until he hurts himself doing what you taught him.
- ◆ Going around a gate at a rail crossing instead of waiting for it to open.

The challenge for leaders is to find these unsafe practices and to make it very clear that following good safety practices falls on everyone's shoulders. A workplace health and safety program cannot succeed without the full effort and commitment of everyone, from the boss to the employee.

### *Here are some ideas to make safety the responsibility of the entire team:*

- ◆ Actively involve employees in safety issues. When conducting a regular inspection, invite employees along and explain the hazards. Make the inspection something to learn from, not feel bad about.
- ◆ Rather than offering your ideas to solve a problem, encourage your teams to come up with their own ideas first. There may be many instances where they will come up with the right solutions as they are the ones directly in contact with the hazards.
- ◆ Communication is the key. Talk to your employees formally and informally on all safety related issues and don't shrug off concerns. Communication is vital.
- ◆ When it comes to workplace safety, you should be on the same side of the fence. Don't let personal feelings get in the way of doing the right thing if it will ensure the safety of your team.
  - ◆ Explain to employees that ultimately they are responsible for their own safety. All of the hearing protection, hand protection, and safety eyewear in the world is not going to help them if they don't wear it.
  - ◆ Make safety meetings productive and interesting. Focus on identified safety issues, involve your team in the meeting, and take action on decisions as soon as possible.

***A leader has a challenge to help the people who work for them find satisfaction in working safely. The effort will pay off many times over in high morale and production, as well as in safety.***



Reprinted with permission



## OUT HERE, YOU DON'T JUST MEASURE BOUNDARIES. YOU PUSH THEM.

When you're in the field, some days are simple and straightforward. Then, there are the other days: when temperatures are so hot and the air is so thick, you can barely breathe. Days when you're four hours from civilization and you just lost your signal. It's for times like these that Trimble designed the all-new Trimble R10 GNSS receiver. It's lighter and better balanced for less fatigue on long days. The Trimble R10 offers a number of radical new innovations—including Trimble SurePoint™ and Trimble xFill™ technologies—that make getting measurements faster and easier, no matter the conditions. Because extreme working conditions require extreme innovations.

See it yourself at [trimble.com/R10showcase](http://trimble.com/R10showcase).



© 2013, Trimble Navigation Limited. All rights reserved. Trimble, the Globe & Triangle Logo, xFill, and SurePoint are trademarks of Trimble Navigation Limited, registered in the United States Patent and Trademark Office and/or in other countries. All other trademarks are the property of their respective owners.

**FOR MORE  
INFORMATION CALL  
YOUR TRIMBLE DEALER**

**Precision Products**  
Louisville, KY  
502-459-1900

**Precision Products**  
Lexington, KY  
859-225-3477

## B. David Cox, Executive Director

Kentucky State Board of Licensure for Professional Engineers and Land Surveyors  
Kentucky Engineering Center, 160 DEMOCRAT DRIVE • Frankfort, Kentucky 40601

# The Board Report

### Engineering and Surveying Exams

The results of the April 2013 exams are below. The second percentage shown in each line below is the national average.

#### Fundamentals of Engineering:

First Time Takers 214/274 = 78%; 77%  
Repeaters 25/46 = 54%; 39%  
Total 239/320 = 75%; 70%

#### Principles & Practice of Engineering:

First Time Takers 55/80 = 69%; 69%  
Repeaters 31/47 = 66%; 37%  
Total 86/127 = 68%; 56%

#### Fundamentals of Surveying:

First Time Takers 5/7 = 71%; 67%  
Repeaters 2/3 = 67%; 25%  
Total 7/10 = 70%; 53%

#### Principles & Practice of Surveying:

First Time Takers 1/3 = 33%; 70%  
Repeaters 3/5 = 60%; 42%  
Total 4/8 = 50%; 57%

### Tax Compliance

During the 2012 session, the Kentucky General Assembly passed a bill creating KRS 131.1817 which requires all licensing agencies to provide information on licensees and permit holders to the Kentucky Department of Revenue (DOR) for the purpose of tax compliance. Our board has provided that information at the request of the DOR. If you have questions regarding tax issues, please contact them at <http://revenue.ky.gov/>.

The statute also allows the DOR to initiate action against a delinquent taxpayer's state license

(including a PE or PLS license). This may include revocation or denial of a license renewal until the delinquency is cured. The DOR is currently working out the logistics with the various state licensing boards.

### Regulation Changes

The Board has amended three different regulations:

1) 201 KAR 18:040 – amended the regulation regarding reimbursement of exam fees. Currently, we can reimburse students for the full cost of the FE or FS exam if passed while still in school. Because of budget reductions, sweeping of funds and upcoming national exam fee increases, we can no longer afford to reimburse. We attempted to develop language to allow us to reimburse up to the full amount so we could reimburse varying smaller amounts as the budget would allow. However, the language was deemed unacceptable under the regulation drafting requirements so we amended to remove the reimbursement entirely.

2) 201 KAR 18:072 – amended the experience regulation to allow us to grant up to three months of pre-graduation experience credit for applicants called to active duty while still in school; if they perform engineering services while on active duty. Currently, they can earn such credit but only if it occurs after graduation.

3) 201 KAR 18:142 – amended the code of conduct to prohibit licensees from directly or indirectly contacting Board members about current or ongoing investigations and directing that such contacts be made to Board staff. Board members serve as the “jury” in all proposed disciplinary actions and can only judge based on the official record. Such contacts can create conflicts of interest and require contacted Board members to recuse themselves from those cases.



**ENFORCEMENT ACTIONS SUMMARY**

For The Period

**April 20, 2013 – July 19, 2013**

**STEPHEN P. MASLAN, PE**

In 2009, the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors, and Landscape Architects disciplined the professional engineering license of Stephen P. Maslan, PE of Kansas City, Missouri. In July 2011, in settlement of a reciprocal action, Mr. Maslan entered into a Consent Decree with the Kentucky Board of licensure. Among other things, that agreement placed Mr. Maslan's Kentucky license on probation until such time as he satisfies the terms of probation of his license in Missouri. In June 2013, the Board learned that Mr. Maslan had violated the terms of his Missouri probation and that as a result, the Missouri Board revoked Mr. Maslan's Missouri engineering license. In accordance with the terms of the Consent Decree and after being notified of the default, Mr. Maslan's Kentucky professional engineer's license was suspended. The suspension became effective June 25, 2013.

**GREGORY B. POOLE**

In 2010, the Board of Licensure received information that Gregory B. Poole, of Elijay Georgia, had engaged in the unlicensed practice of professional engineering in Kentucky. An investigation confirmed that Mr. Poole signed a report of a blasting damage investigation regarding a house in Louisville. The report included an opinion as to the cause of some alleged damage to the home. Mr. Poole had signed the report as "Gregory B. Poole, PE". Mr. Poole is licensed as a professional engineer in one or more other states, but he is not licensed in Kentucky. Board staff contacted Mr. Poole and informed him that his actions constitute the unlicensed practice of engineering, in violation of KRS 322.020. The matter was settled with an Agreed Injunction in which Mr. Poole is enjoined from further practice of professional engineering in Kentucky unless and until he is licensed as a professional engineer by the Kentucky Board. No penalty was assessed for the current violation; however the Agreed Injunction calls for a fine of \$1000 and seven (7) days in jail for any future violation. The Agreed Injunction was entered in the Franklin Circuit Court on July 1, 2013.

**SETH TUSKA**

In May 2013, the Board of Licensure received information that Seth Tuska, a former licensee, had

engaged in the unlicensed practice of professional engineering. An investigation confirmed that Mr. Tuska had inspected a building in Lexington and issued a letter in which he expressed an opinion as to the structural adequacy of some repairs which had been made to that building. Although Mr. Tuska signed the letter as "Seth D. Tuska, KY PE Retired", it was determined that Mr. Tuska's actions meet the definition of "professional engineering" as set forth in KRS 322.010 Section 4, and therefore constituted the unlicensed practice of engineering. The matter was settled with an Agreed Injunction in which Mr. Tuska is enjoined from further practice of professional engineering in Kentucky unless and until his license is reinstated by the Board. No penalty was assessed for the current violation; however the Agreed Injunction calls for a fine of \$1000 and seven (7) days in jail for any future violation. The Agreed Injunction was entered in the Franklin Circuit Court on July 2, 2013.

**KEITH E. RHINEHARDT, PE**

Mr. Keith E. Rhinehardt, PE of Charlotte, NC, was disciplined for failing to respond to a CPD audit within 30 days, in violation of 201 KAR 18:196. The case was settled by a Consent Decree wherein Mr. Rhinehardt acknowledged the violation, and agreed to the following sanctions: (1) an administrative penalty of \$1000; (2) Mr. Rhinehardt will make up a deficiency in his CPD credits for the 2010 / 2011 reporting period within 30 days; (3) an automatic audit of Mr. Rhinehardt's CPD credits for 2012 and 2013. The Board accepted the Consent Decree on July 19, 2013.

**ROBERT R. MOSES, PLS**

Mr. Robert R. Moses, PLS of Williamsburg, was disciplined for violating the Code of Professional Practice and Conduct, 201 KAR 18:142 Section 2. The case was settled by a Consent Decree wherein Mr. Moses acknowledged the violation, and agreed to following: (1) a Letter of Reprimand; (2) Mr. Moses agreed to utilize written contracts for future surveys and that the contract, at a minimum, would address Scope of Work, Fee Arrangement, Project Schedule, Billing Schedule, and a Specific Disclosure of number of persons to be employed in his field crew; (3) Mr. Moses specifically agreed that should he use a non-robotic total station on any future surveying project, he would not use that equipment with less than a two person crew. The Board accepted the Consent Decree on July 19, 2013.

JOHNATHAN C. POWELL, PE

In April 2013, the Alabama Board of Licensure for Professional Engineers and Land Surveyors disciplined the professional engineering license of Johnathan C. Powell, PE of Huntsville, Alabama. The Alabama Board placed Mr. Powell's license on probation for a period of two years. After reviewing the Alabama action, the Kentucky Board of Licensure determined that a reciprocal disciplinary action was warranted pursuant to KRS 322.180 Section 11. The matter was resolved through a Consent Decree wherein Mr. Powell agreed to have his Kentucky engineering license placed on probation for the same period as his Alabama probation. The Board accepted the Consent Decree on July 19, 2013.

ROBERT TERRY SEMONES, PE, PLS

Mr. Robert Terry Semones, PE, PLS of Frankfort, was disciplined for violating the Surveying Standards of Practice, 201 KAR 18:150 and the Business Entity Permitting law, KRS 322.060; and for aiding and abetting unlicensed practice in violation of KRS 322.180 Section 5. The case was settled by a Consent Decree wherein Mr. Semones acknowledged the violations and agreed to the following sanctions: (1) suspension of Mr. Semones' surveying license for 30 days; (2) an administrative penalty of \$1000; (3) Mr. Semones must attend a seminar on the Surveying Standards of Practice; (4) Mr. Semones must complete a Texas Tech University online course in professional ethics; (5) Mr. Semones must sever his business relationship with Cricket Smith-Gary; and, (6) probation of Mr. Semones' surveying license for two years with quarterly review of his surveying projects. The Board accepted the Consent Decree on July 19, 2013.

DONALD ALLEN DABNEY, PLS

Mr. Donald Allen Dabney, PLS of Campbellsville, was disciplined for violating the Continuing Professional Development regulations, 201 KAR 18:192, and for operating Dabney Engineering and Land Surveying on a lapsed Business Entity Permit in violation of KRS 322.060. The case was settled by a Consent Decree wherein Mr. Dabney acknowledged the violations and agreed to the following: (1) an administrative penalty of \$1000; and (2) an automatic audit of Mr. Dabney's CPD credits for 2013 and 2014. The Board accepted the Consent Decree on July 19, 2013.

PAUL D. TRAVIS, PE, PLS

Mr. Paul D. Travis, PE, PLS of Richmond, was disciplined for engaging in a pattern of violations of the Surveying Standards of Practice, 201 KAR 18:150. The case was settled by a Consent Decree wherein Mr. Travis acknowledged the violations, and agreed to the following: (1) Mr. Travis will receive a Letter of Reprimand; (2) Mr. Travis must attend a seminar on the Surveying Standards of Practice; (3) probation of Mr. Travis' surveying license for two years with quarterly review of his surveying projects. The Board accepted the Consent Decree on July 19, 2013.

JOSEPH B. MYLOR, PLS

Mr. Joseph B. Mylor, PLS of Warsaw, was disciplined for engaging in a pattern of violations of the Surveying Standards of Practice, 201 KAR 18:150. The case was settled by a Consent Decree wherein Mr. Mylor acknowledged the violations and agreed to the following: (1) Mr. Mylor will receive a Letter of Reprimand, (2) an administrative penalty of \$1000; (3) Mr. Mylor must attend a seminar on the Surveying Standards of Practice; (4) probation of Mr. Mylor's surveying license for two years with quarterly review of his surveying projects. The Board accepted the Consent Decree on July 19, 2013.

WILLIAM BAYARD HARRIS III, PE

On June 13, 2013, during the online license renewal process, Mr. William Bayard Harris III, PE of Braselton, GA disclosed that he had recently been convicted of a Felony. A Board investigation confirmed that in January 2012, pursuant to a plea agreement in the Superior Court of Gwinnette County, Georgia, Mr. Harris was pronounced guilty of the following felony offenses: (1) one count of Child Molestation (O.C.G.A. 16-6-4(a)), and (2) two counts of Sexual Exploitation of Children (O.C.G.A. 16-12-100). The Board subsequently contacted Mr. Harris and informed him of the Board's intent to file charges pursuant to KRS 322.180 Section 7, seeking revocation of his engineering license. Mr. Harris chose to forego the hearing process and instead elected to voluntarily surrender his Kentucky engineering license. The surrender was accomplished through a Consent Decree, which the Board accepted on July 19, 2013.

# 2013 Board of Directors

**David Atwell, PE, PLS**

**Chair**

606 New Street  
Horse Cave, KY 42749  
[retiredatwell@hotmail.com](mailto:retiredatwell@hotmail.com)

**James Sigler, PE**

**Vice Chair**

400 E. Vine St. #300  
Lexington, KY 40507  
(859) 233-2100  
[sigler@entran.us](mailto:sigler@entran.us)

**Sam Williams, PE, PLS**

**Secretary**

1555 Old Frankfort Pike  
Lexington, KY 40504  
(859) 425-2810  
[swilliam@lexingtonky.gov](mailto:swilliam@lexingtonky.gov)

**Richard Howerton, PLS**

**Board Member**

404A Main St.  
Greenup, KY 41144  
(606) 473-5684  
[richard.howerton.sr@howerton-eng.com](mailto:richard.howerton.sr@howerton-eng.com)

**Neville Pinto, PhD**

**Board Member**

J.B. Speed School of Engineering,  
University of Louisville  
Louisville, KY 40292  
(502) 852-6281  
[ngpint1@gwise.louisville.edu](mailto:ngpint1@gwise.louisville.edu)

**Ben Quinn, PE, PLS**

**Board Member**

65 Aberdeen Dr.  
Glasgow, KY 42141  
(270) 651-7220  
[bquinn@aei.cc](mailto:bquinn@aei.cc)

**James Riney, PE, PS**

**Board Member**

416 W. Third St.  
Owensboro, KY 42301  
(270) 929-5685  
[jriney@bellsouth.net](mailto:jriney@bellsouth.net)

**Mike Ritchie, PE, PLS**

**Board Member**

523 Wellington Way  
Lexington KY 40503  
(859) 321-3804  
[mritchie@photoscience.com](mailto:mritchie@photoscience.com)

**Beverly Smith,**

**Board Member**

1600 Man O' War Blvd.  
Lexington, KY 40513  
[beverly.smith@insightbb.com](mailto:beverly.smith@insightbb.com)

**Kenneth Sperry, PE, PLS**

**Board Member**

3 HMB Circle  
Frankfort, KY 40601  
(502) 695 9800  
[ksperry@hmbpe.com](mailto:ksperry@hmbpe.com)

**John Walz, PhD**

**Board Member**

353 Ralph G. Anderson Bldg.  
Lexington, KY 40506  
(859) 257-1687  
[john.walz@uky.edu](mailto:john.walz@uky.edu)

# 2013 Calendar of Events

August 16

August 22-25

October 11

October 25

October 26

Board Meeting

NCEES Annual Meeting

Board Meeting

PE, PS Exams

FE, FS Exams

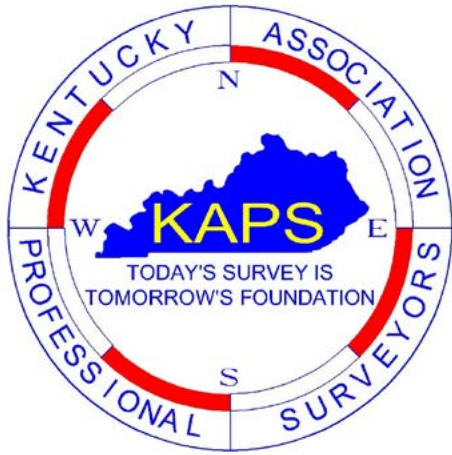
Frankfort KY

San Antonio TX

Frankfort KY

Louisville KY

Louisville KY



# 2014 KAPS CONFERENCE

## KAPS / NSPS: Pathway to the Future



February 20 - 22, 2014

Marriott Griffin Gate

Lexington, KY



**NSPS**

## Andrew C. Kellie, PLS

1522 London Drice

Murray, KY 42071, [akellie@murraystate.edu](mailto:akellie@murraystate.edu)

# The Dog Days

It was mid July and things were humming along in the survey office. The Fourth of July holiday was past and now there was a clear run 'til Labor Day. This obviously was the time to retrace boundaries, stake construction, mark corners and get the invoices out to our grateful clients! Of course, since I'm the surveyor, I'm the one who is supposed to make all of the above happen, especially the sending-out-invoices part.

On Saturday, I had deferred a planned fishing trip on the river. It wasn't much of a deferral as there generally isn't much action during the Dog Days anyway. In a burst of enthusiasm, I attended a business development and motivation workshop entitled "Principles of Modern Business for Professional Practice." I sat through short sessions on such timely topics as "Maximizing ROI by Expedited Billing", "Increasing Time-on-Task by Timely Management Planning", "Facilitating Capital Access by Minimizing Unused Resources", and "Improved Client Relationships from Quality Delivery of Work". All were interesting, all seemed applicable to surveying, and before the day was over, I had resolved to improve the business side of my surveying business.

In accordance with my new resolve, we started the day with both crews out the door early. I felt responsible for the early start; I was simply applying the principles of "Increasing Time-on-Task by Timely Management Planning"! I had carefully organized the morning briefing. Both Samantha and Ted were familiar with their assignments, and it all promised to be a productive day. I assigned Samantha to a boundary retracement. It was early innings on that job, so Sam took the GPS equipment in order to establish the basic control before starting detail pick-up. Ted could do all his work with a total station. This meant that both equipment and personnel would be productively employed. This was completely in accordance with the principles of "Facilitating Capital Access by Minimizing Unused Resources".

Ted and his crew were to work on a road project for the morning. It wasn't a complicated job—

just alignment and grade prior to paving in a new subdivision. We had been to that job just a month ago to mark the right-of-way prior to clearing and grading, and we had a half-dozen control stations on site. The site would be open, and Ted and his crew should have had no trouble marking the offsets required. We had some lead time, too, because paving wasn't scheduled until tomorrow. The job only required 4 hours, we were starting first thing in the morning. In accordance with the principles of "Increasing Time-on-Task by Timely Management Planning", I made a mental note to have the next assignment ready when Ted and crew returned to the office at noon.

By 10 AM the invoices were out and my desk was clear. After I got over the shock of a clean desk, I couldn't help reflect that I actually had been applying the principles of Saturday's session on "Maximizing ROI by Expedited Billing"! It was uncanny—here I was, actually using all that soft stuff that had somehow seemed to get neglected while I formerly had concentrated on the technical aspects of surveying!

Upon review, I decided to take my study a step further still. We had an extra data collector, three extra prisms with tribrachs, and three tripods gathering dust at the office. Here were assets that could be sold in accordance with the principles contained in "Facilitating Capital Access by Minimizing Unused Resources"! I was composing an ad for posting on line when Ted called.

Ted was NOT a happy camper. Jason \_\_\_\_\_, the dirt contractor on the road job, wore many hats. He was contractor, owner, developer and...dozer operator. But he was not just ANY dozer operator. Oh, no! He was a MANIC dozer operator whose motto was, "Get the stakes, ALL the stakes, don't let a one get away!" Fortunately, he either missed some (a D8 has a pretty big footprint), or we failed to flag the stakes sufficiently (and he couldn't find them), but either way there were some survivors, and Ted (in 2 hours) managed to find three. Unfortunately, the stakes weren't intervisible. Fortunately, you don't

need intervisible stations with GPS. Unfortunately, the GPS was with Sam on the other side of the county. At this point, I could see the job stretching off into the blue hours of the evening.

I confidently told Ted to get an early lunch and by then I'd have Sam and the GPS on the site and we would all bang out the job by the end of the afternoon. Fortunately, Sam answered her cell right away. Unfortunately, the work was marching slowly. She had had a long discussion with the client, set up a widely spaced network, and begun a set of rapid static observations. She had done a lot of work, and I was glad to see that it involved "Improved Client Relationships from Quality Delivery of Work", but the long and short of it was that it would be late afternoon before Sam could get to the road job. The only alternative was to lose the work Sam had already done, and one didn't need to be a graduate of "Principles of Modern Business for Professional Practice" to know there is precious little margin in work that has to be done twice before it's invoiced.

I'm the surveyor, so I was expected to work out a solution. I told Sam to finish her observations and then to join us at the road job. Next, I uploaded all the data for the road job to the redundant data collector, and I loaded the three redundant tripods, prisms, and tribrachs into my truck. When I joined Ted on the road job, we set the redundant tripods and prisms on the surviving control stations. On the other side of the alignment, we found and staked two locations from which all three surviving control stations were visible. Using the total station, we occupied our new stations and using the redundant data collector, determined the positions occupied by resection and intersection. After that, we were able to stake the job using the coordinates for the stations occupied and the stations to be set. We couldn't stake the entire job from just one control station—we needed both—and I worried that our geometry might not be the strongest, but the job went into place in a reasonable manner.

We were almost finished with the staking when Sam and the GPS finally arrived at site. She initialized and then checked the location of each of the stakes we had set by resection. (It's our company policy not to base construction on points determined solely by resection until the position as staked can be independently verified.) Basically, the results bore out my geometric concerns, but all of the stakes set were within tolerance, and we had for documentation two sets of coordinates for each point. Besides being part of company policy, our emphasis on the checking

of our work was right in line with the concepts of "Improved Client Relationships from Quality Delivery of Work"!

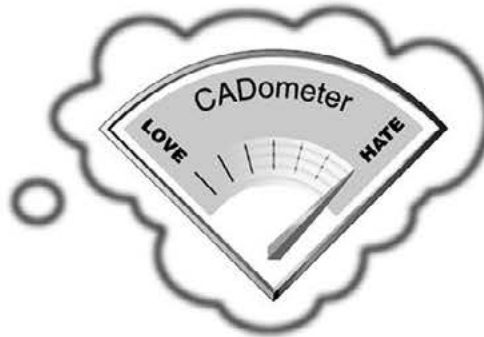
It was nearly 6 by the time we finished setting the points and checking the results and I sent the crews home. As I put the equipment into my truck, I reflected on my successful employment of the "Principles of Modern Business for Professional Practice" in my work during the past day. I was very pleased about getting the crews in the field and about getting the invoices out. However, I might have been just a bit optimistic in my application of the principles of "Increasing Time-on-Task by Timely Management Planning". Knowing Jason as I did—it's not the first time we have worked with him—I should have anticipated some problems on that job. In retrospect, the potential for problems was so obvious that I should have planned to go to the site with Ted and his crew before tackling the invoices. It also would have been prudent—given the potential for problems—to have assigned Sam to a closer job where she could have provided timely backup as needed.

It also occurred to me that I might have been overly aggressive in applying the concepts involved in "Facilitating Capital Access by Minimizing Unused Resources". If I hadn't had the extra tripods and prisms at the office, and access to the data collector as well, it would have been more difficult to finish the work at the road job in a timely (!) manner. In the end, I decided not to post the tripods and data collector for sale; instead, I would unload them at the office and assign them to different crews on a job-by-job basis.

I was just about ready to leave when Jason arrived. He was pretty aggressive about keeping his crews and equipment working, and we had to walk the job together before he was satisfied. When I finally got into the truck, Jason was striding toward the dozer parked on the side of the site. I asked what he was doing. He replied that he had noticed some high spots near a couple of the stations and there was still light enough to get them to grade.

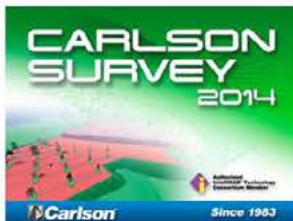
I wished Jason luck and drove off the site. I also decided that it might be best to leave the tripods and data collector in the truck. I might need them in the morning.

# Time for a CADitude Adjustment?



## Why Not Consider Carlson Software ?

- Receive FREE technical support from Carlson's home office - no subscription required
- Runs with any 2004-current AutoCAD®-based program OR with IntelliCAD®, a program that looks & acts just like AutoCAD
- Receive a FREE copy of IntelliCAD with every purchase and a FREE copy of Esri ArcMap when using Carlson with IntelliCAD
- Take advantage of the ever-expanding integration with Esri GIS solutions
- Carlson's data flow solutions can't be beat - from data collection, to mapping, to design and back to the field for construction
- Work with standard AutoCAD entities - No more proxy objects or saving for others who don't have the same version of Civil 3D®
- Upgrade your software or hardware when YOU are ready - Carlson with IntelliCAD can run on most off-the-shelf computers.
- Automate lot layout using area, frontage, setback & footprint - and your lots, labels & setbacks update when the road does!
- Update your surface model by sketching a new location for your contours.
- Easily design AND GRADE a network of roads in minutes—including fine grading intersections and cul-de-sacs - Yes, Easily!



## That CAD Girl offers ...

- Best prices on Carlson Software, SurvCE, Data Collection and GPS including Carlson upgrades and maintenance renewals. Call or "Add Coupon" to get discounted pricing in online store.
- Competitive upgrade pricing from Land Desktop, Eagle Point, Terra Model or Civil 3d
- CAD standards development & implementation
- Carlson Self-Study Manuals including Field to Finish
- Customized, online training for Carlson & CAD software

## Register for our Newsletter

to receive monthly specials on software,  
hardware, data collection & training

[www.thatcadgirl.com/newsletters](http://www.thatcadgirl.com/newsletters)

# That CAD Girl

(919) 417-8351

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



Contract Holder

Contract GS-35F-038AA

Call me for pre-negotiated, GSA pricing for  
federal, state and local government purchases

## Kyle Elliott, PLS

Kyle Elliott is a licensed land surveyor employed by the Kentucky Board of Licensure for Professional Engineers and Land Surveyors in Frankfort.

He can be reached at [kyleelliott@bellsouth.net](mailto:kyleelliott@bellsouth.net).

# Meanderings

As I began to write this article, I heard a news story<sup>1</sup> about two children being bitten by copperhead snakes on the same day. One child was hiking in the Red River Gorge and the other was playing in her yard. Both were in severe pain, at the time of the report, but were expected to make full recoveries. While writing, I heard another news story about state officials planning an aerial assault on a significant mosquito outbreak around Kentucky Lake and Lake Barkley<sup>2</sup>. The fate of the mosquitoes remains to be seen, but I expect they will also make a full recovery.

As surveyors, we regularly encounter snakes, ticks and mosquitoes, not to mention an assortment of other creepy crawly and flying things. Out of curiosity I did an unscientific poll of some surveyors I know, about encounters and bites from poisonous snakes. I am happy to report that poisonous snakebites are quite rare, if non-existent, in our surveying community (if you or someone you know has been bitten I would like to hear the story).

Beau Rogers was a crew chief for Jack Williams in the Dawson Springs area. One summer Rogers and Allen Tosh, son of surveyor Rick Tosh, were surveying a large farm bordering the Tradewater River in Caldwell County where they were seeing cottonmouth and copperhead snakes on a daily basis. One morning while hiking in to the jobsite, Rogers was struck in the leg by a large cottonmouth. Luckily, Rogers was wearing snake-proof chaps and the bite did not penetrate through the chaps. Rogers survived; the snake did not.

Another story relayed to me was about a young surveyor (I will call him David Dummer to protect his real identity), who sat down on a 36-inch copperhead while taking cross section notes in the Leeder Bottoms area of Graves-McCracken counties. This happened in the late 1960's and Mr. Dummer is still with us. He was not bitten, but the survey crew broke a nice wooden line rod taking out the snake.

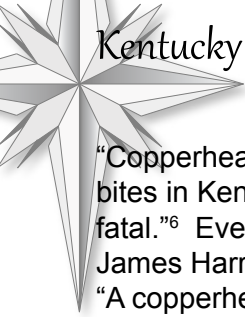
which are poisonous<sup>3</sup>, and two of those, copperheads and timber rattlesnakes, having an extensive range, it is amazing to me that there are not more accounts of land surveyors being bitten. Copperheads can be encountered in every Kentucky County while timber rattlesnakes are prevalent statewide but avoid the southern Cincinnati area – rumor has it that rattlers despise “Who dey” or “Hudé”, which I have heard is some type of local beverage.

However, the statistics show that poisonous snakebites, while not rare in Kentucky, are not something we should be overly concerned with and rarely result in death. In a somewhat dated, five-year study conducted by Henry Parrish, M.D.<sup>4</sup>, there were seventy-one reported deaths from poisonous snakebites in all of the United States. Only two of those occurred in Kentucky and those may have occurred while handling poisonous snakes during religious ceremonies. Information collected by Dr. Parrish shows that between 1940 and 1955 there were seven reported snakebite deaths in Kentucky from religious snake handling alone. The real problem with poisonous snakebites may be the pain, swelling and discomfort and the resulting loss of ability to work. Henry Spiller and George Bosse published an article<sup>5</sup> covering one hundred and twenty-eight snakebites reported to poison control centers in Kentucky for the entire year of 2001. Of those poisonous snakebite victims that had jobs, eighty-eight percent lost two weeks of work. Their study showed that any regular use of the affected limb, as in using it for work, resulted in a reoccurrence of the swelling and pain for up to one month after the original bite. Spiller and Bosse also found that, “death from snakebite in the modern era in the United States is rare, estimated to be approximately 1% or less”.

With copperhead snakes being the most common venomous snake in Kentucky, and the most widespread, it is not surprising that copperhead bites are the most common. Thomas G. Barnes, a wildlife specialist with University of Kentucky College of Agriculture writes,

With thirty-two types of snakes in Kentucky, four of





“Copperheads cause the majority of poisonous snake bites in Kentucky. Their bites are almost never fatal.”<sup>6</sup> Even though they “are almost never fatal”, James Harrison, of the Kentucky Reptile Zoo, says, “A copperhead bite, feels like someone taking a hot cigarette, putting it out on your arm, and shoving a hot poker up your arm and leaving it there for about three days and slamming a door shut on your arm.”<sup>7</sup> Harrison’s comment leaves me wondering which is worse, a fatal bite, or one in which you have to suffer through the tortured pain he explains?

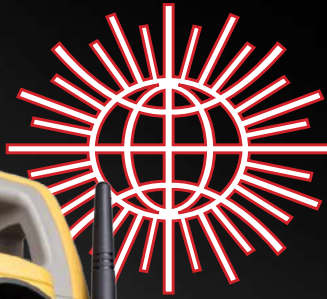
One thing is certain, surveyors and their employees spend a lot of time outdoors. Late July through September is the period of time when we are most likely to encounter and be bitten by a poisonous snake. We should remain cautious and alert to the presence or possible presence of venomous snakes, and we should always make sure we know where the nearest hospital is in case of snakebite or any other type of emergency.

Zeb Weese, a biologist with the Kentucky Department of Natural Resources, says, “None of our venomous snakes are extremely venomous. If someone is bitten they should seek medical attention immediately, but there is no really effective first aid other than staying as calm as possible.” Staying as calm as possible! That may be easy for a biologist who spends his days examining and studying Kentucky’s wide variety of animal species, but I usually jump and do a weird little dance, where I try to walk on air whenever I see any type of snake. At least I do not squeal like stuck pig, like someone I used to work with.

Now that I know my chance of being bitten is slim, and the chance of dying from snakebite is even more remote, maybe I will be able to remain calm when I encounter a snake and enjoy a few moments with these oddest of creatures. No. I will still jump and dance, but I can do it now knowing that I will probably get to do it again in the future with my next snake encounter.

(Endnotes)

- 1 *Two Breathitt County children bitten by copperheads in one day*, WKYT. June 22, 2013, <http://www.wkyt.com/home/headlines/Two-Breathitt-County-children-bitten-by-copperheads--212632721.html>
- 2 *Aerial assault planned for mosquito outbreak*, Frankfort, KY, Associated Press, WKYT. June 26, 2013, <http://www.wkyt.com/home/headlines/Aerial-assault-planned-for-mosquito-outbreak-213103771.html>
- 3 *Kentucky Snakes*, Bill Moore and Tim Slone, Kentucky Department of Fish and Wildlife Resources. Reprinted December 2007.
- 4 *Mortality from Snakebites, United States, 1950-1954*, Henry M. Parrish, M.D., M.P.H., Public Health Reports, Vol. 72, No. 11, pp. 1027-1030, 1957.
- 5 *Prospective Study of Morbidity Associated with Snakebite Envenomation*, Henry A. Spiller, M.S., and George M. Bosse, M.D., Journal of Toxicology, Vol. 41, No. 2, pp. 125-130, 2003.
- 6 Thomas G. Barnes, Extension Wildlife Specialist, Cooperative Extension Office, UK, College of Agriculture, April 1999, <http://www.ca.uky.edu/agc/pubs/for/for46/for46.pdf>.
- 7 *Poisonous Snake Bite Numbers Up in KY*, Sean Evans, July 11, 2012, WKYT, [http://www.wkyt.com/home/headlines/Poisonous\\_snake\\_bite\\_numbers\\_up\\_in\\_KY\\_162127475.html](http://www.wkyt.com/home/headlines/Poisonous_snake_bite_numbers_up_in_KY_162127475.html)



(800) 251-1280

www.hayesinstrument.com

# HAYES

INSTRUMENT CO.

## ES

### REFLECTORLESS TOTAL STATION

- ▶ 36 HR BATTERY LIFE
- ▶ TS SHIELD ADVANCED SECURITY & MAINTENANCE
- ▶ FAST & POWERFUL EDM  
500M NON-PRISM (1,640FT) | 4000 PRISM (13,120FT)
- ▶ EXCLUSIVE LONGLINK COMMUNICATIONS 300M (384FT)



TSshield™ is an advanced telematics-based communications module designed to protect the owner's investment. TSshield enables owners to receive on-instrument notices of available firmware updates. Additionally, if the instrument is lost or stolen, a future firmware release will allow the owner to send a coded signal virtually anywhere in the world to the instrument to disable it.

**HAYES  
HAS IT!**  
ALL ORDERS SHIP  
DIRECTLY FROM HAYES

### THE UN-CONVENTIONAL TOTAL STATION

## OS

- ▶ MAGNET FIELD ON-BOARD
- ▶ 20 HR BATTERY LIFE
- ▶ ADVANCED ANGLE-ACCURACY
- ▶ FULL TOUCH SCREEN WITH LARGE GRAPHICS



## MAGNET™

MAGNET Enterprise is a web-based solution to manage your field and office data in the cloud. Track your assets and communicate with all those involved on projects. Log in from any browser for live updates. Save time and money.



**(800) 251-1280**

www.hayesinstrument.com



# KAPS 2013 FALL SEMINAR SCHEDULE

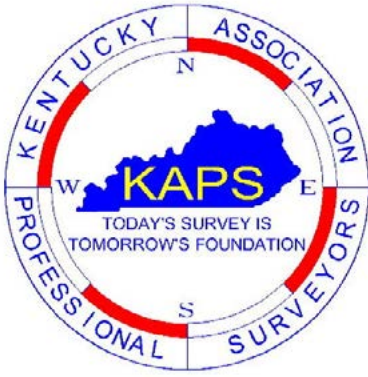
124 Walnut Street ▪ Frankfort, Kentucky 40601 ▪ Phone: 800.866.3029 ▪ Fax: 502.695.2667 ▪ Email: [mforrest@kaps1.com](mailto:mforrest@kaps1.com)

**ONLINE REGISTRATION IS NOW AVAILABLE AT [WWW.KAPS1.COM](http://WWW.KAPS1.COM)**

**\*Refunds: A full refund will be granted for cancellations at least 15 days prior to the seminar.**

**A \$25 penalty will be assessed for cancellations made less than 15 days prior (as determined by postmark). All requests must be in writing.**

DATE	SEMINAR	INSTRUCTOR	CREDITS	TIME	MEMBER	NON-MEMBER	LOCATION
Friday, October 18	<i>KRS.322 / MTS / Code of Conduct</i> Course # 13-07-017	Marco M. Rajkovich, Jr.	4 PDH	8 A.M. – 12 P.M.	<b>Half Day:</b> \$85	<b>Half Day:</b> \$85	Ramada North Conference Center 2143 N Broadway Road Lexington, KY 40505
	<i>Ethical Considerations in Underground Mine Mapping for Engineers &amp; Land Surveyors</i> Course # 12-08-031	Marco M. Rajkovich, Jr.	4 PDH	1 P.M. – 5 P.M.	<b>Full Day:</b> \$170	<b>Full Day:</b> \$170	
Friday, October 18	<i>Getting to Know Machine Control</i> Course # 12-08-032	Glenn M. Etienne	4 PDH	8 A.M. – 12 P.M.	<b>Half Day:</b> \$110	<b>Half Day:</b> \$210	Holiday Inn University Plaza 1021 Wilkinson Trace Bowling Green, KY 42103
	<i>Kentucky 811</i> Course # 12-10-042	Timothy Vaughn	4 PDH	1 P.M. – 5 P.M.	<b>Full Day:</b> \$160	<b>Full Day:</b> \$260	
Saturday, October 26	<i>Ethics, Code of Conduct, &amp; Standards of Practice</i> Course # 13-07-020 <b>*4 General Credits / 4 Standards of Practice Credits</b>	Jonathan Payne, PLS	<b>Surveyors:</b> <b>*8 PDH</b> <b>Engineers:</b> 6 PDH	8 A.M. – 5 P.M.	\$170	\$170	KY Dam Village State Park 166 Upper Village, Highway 641 Gilbertsville, KY 42044-0069
Friday, November 1	<i>Taking Advantage of OPUS &amp; Network RTK</i> Course # 12-01-002	Jeffrey K. Clark, PLS	4 PDH	8 A.M. – 12 P.M.	<b>Half Day:</b> \$110	<b>Half Day:</b> \$210	Home Builders Association of O'boro 3515 Wathens Crossing Owensboro, KY 42301
	<i>GNSS Surveying &amp; Processing</i> Course # 12-07-045	Jeffrey K. Clark, PLS	4 PDH	1 P.M. – 5 P.M.	<b>Full Day:</b> \$160	<b>Full Day:</b> \$260	
Saturday, November 9	<i>KRS.322 / MTS / Code of Conduct</i> Course # 13-07-017	Marco M. Rajkovich, Jr.	4 PDH	8 A.M. – 12 P.M.	<b>Half Day:</b> \$85	<b>Half Day:</b> \$85	Ramada Plaza Conference Center 9700 Bluegrass Parkway Louisville, KY 40299
	<i>Ethical Considerations in Underground Mine Mapping for Engineers &amp; Land Surveyors</i> Course # 12-08-031	Marco M. Rajkovich, Jr.	4 PDH	1 P.M. – 5 P.M.	<b>Full Day:</b> \$170	<b>Full Day:</b> \$170	
Saturday, November 16	<i>State Plane Coordinate Systems for GPS Users</i> Course # 12-08-033	Todd W. Horton, PE, PLS	8 PDH	8 A.M. – 5 P.M.	\$160	\$260	Holiday Inn East 1325 S Hurstbourne Pkwy Louisville, KY 40222
Friday, November 22	<i>We. Will. Standardize...Even if it Kills Us!</i> Course # 13-07-018	Jennifer DiBona	4 PDH	8 A.M. – 12 P.M.	<b>Half Day:</b> \$110	<b>Half Day:</b> \$210	Holiday Inn Cincinnati Airport 1717 Airport Exchange Blvd Erlanger, KY 41018
	<i>Field to Finish for Survey &amp; GIS Collection from a GIS Dummy</i> Course # 13-07-019	Jennifer DiBona	4 PDH	1 P.M. – 5 P.M.	<b>Full Day:</b> \$160	<b>Full Day:</b> \$260	
Saturday, December 14	<i>Best Practices in GPS Surveying</i> Course # 12-01-001	Todd W. Horton, PE, PLS	8 PDH	8 A.M. – 5 P.M.	\$160	\$260	Clarion Hotel 1950 Newtown Pike Lexington, KY 40511



# KAPS

**Kentucky Association of Professional Surveyors**

124 Walnut Street

Frankfort, Kentucky 40601

Phone: 800.866.3029 • Fax: 502.695.2667

Email: mforrest@kaps1.com

## FALL SEMINAR REGISTRATION FORM

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Email Address \_\_\_\_\_

Business Phone # \_\_\_\_\_

Home Phone # \_\_\_\_\_

Cell Phone # \_\_\_\_\_

Name of Seminar \_\_\_\_\_

Date of Seminar \_\_\_\_\_

**Method of Payment:**

\_\_\_\_\_ **Check Enclosed / Amount** \_\_\_\_\_

\_\_\_\_\_ **Visa or Master Card / Amount** \_\_\_\_\_

\_\_\_\_\_ Name as it appears on Visa/Master Card \_\_\_\_\_

\_\_\_\_\_ Visa/Master Card Number \_\_\_\_\_

\_\_\_\_\_ V-Code \_\_\_\_\_

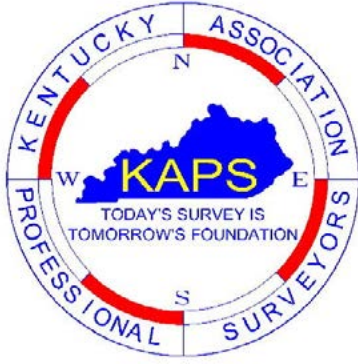
\_\_\_\_\_ Signature \_\_\_\_\_

\_\_\_\_\_ Expiration Date \_\_\_\_\_

**Please return Registration Form and payment to:**

**KAPS • 124 Walnut Street • Frankfort, KY 40601**

***Refunds:*** A full refund will be granted for cancellations at least 15 days prior to the seminar. A \$25.00 penalty will be assessed for cancellations made less than 15 days prior (as determined by postmark). All requests must be in writing.



# KAPS

**Kentucky Association of Professional Surveyors**

124 Walnut Street

Frankfort, Kentucky 40601

Phone: 800.866.3029 • Fax: 502.695.2667

Email: [mforrest@kaps1.com](mailto:mforrest@kaps1.com)

## **SURVEYING STUDENT FALL SEMINAR REGISTRATION FORM**

---

Name

---

Address

City

State

Zip

---

Email Address

---

Business Phone #

Home Phone #

Cell Phone #

Name of Seminar \_\_\_\_\_

Date of Seminar \_\_\_\_\_

**Surveying Students** may attend KAPS Fall Seminars free of charge.

---

College or University

---

Professor Signature

Professor Email

Please return Registration Form to:  
KAPS • 124 Walnut Street • Frankfort, KY 40601  
[mforrest@kaps1.com](mailto:mforrest@kaps1.com) • Fax 502.695.2667



## Trimble Fleet Solutions

Trimble Fleet Management solutions provide visibility to field activity that enables companies to increase workflow productivity, reduce fuel costs and improve driver safety for any size fleet. Combined with effective management, Fleet Management solutions are a productivity tool with solid return-on-investment that enable high customer satisfaction with minimum capital asset costs, lower environmental impact and increased employee productivity.

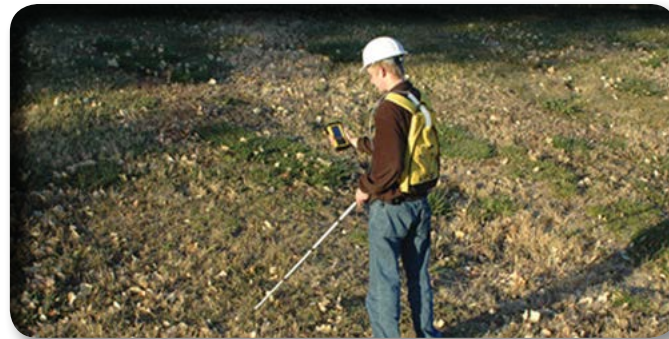
TFM allows you to know:

- Mileage Management
- Vehicle Maintenance
- Speed Versus Posted Limit
- Driver Safety Cumulative Metrics
- Harsh Maneuvers
- Carbon Emissions
- Idle Time Management
- Parameterized Stops Details
- Driver/Vehicle Congregation

Benefits of TFM:

- Minimize Risks & Liability
- Protect Company Image
- Improve Fuel Efficiency & Customer Service
- Maximize Productive Time
- Reduce Accident & Maintenance Costs
- Improve Driver Culture
- Protect Mobile Employees
- Manage Mileage, Wear & Tear
- Minimize Environmental Impact

For more information visit  
<http://www.trimble.com/fsm/>



## Trimble Environmental Services

The Trimble SiteFID™ Landfill Gas solution provides a more streamlined workflow for the environmental services professional, improving efficiency and reducing rework.

SiteFID® allows you to:

- Reduce landfill gas monitoring costs and operating expenses
- Maximize technician's time for collecting samples
- Streamline data management in the field and office
- Receive rapid, accurate delineation of landfill gas levels
- Improve documentation of remediation actions
- Reduce human error and time spent completing paperwork
- Increase accuracy of data collection
- Improve safety

Using the SiteFID detector, landfill gas samples can be analyzed in the field. The GPS location of sample results is recorded in real time during the field survey. The Nomad allows landfill gas monitoring data and positioning information to be logged in the field and then uploaded to compliance and reporting systems, streamlining surface landfill gas data collection, analysis and compliance reporting. This improved workflow increases the environmental professional's efficiency, allowing more area to be covered in a day with improved monitoring data quality assurance and the ability to accurately locate field sample collection points.

For more information visit  
[http://www.yourprecision.com/software\\_MGIS.html](http://www.yourprecision.com/software_MGIS.html)



## Trimble Scanning Solutions

The Trimble® TX5 3D laser scanner is a revolutionary and highly versatile 3D scanning solution for a broad variety of scanning applications. The compact and lightweight design provides unmatched mobility at the job site, increasing field productivity. The intuitive and easy to use onboard interface allows new users to quickly get up to speed.

The Trimble TX5 is a revolutionary versatile scanning solution applicable to a broad array of applications

- Surveying: Capture high resolution data for topographical maps, generating 2D and 3D CAD views, measure distances, areas, and volumes
- Building Information Modeling - BIM: Efficiently capture As-built and As-Is conditions for MEP or Structures contractors working on virtual design and construction (BIM) projects
- Industrial Facilities: Capture accurate as-built documentation of a facility for redesign and revamp projects or for updating existing plant documentation in 3D
- Inspection/Reverse Engineering: Extract measurements and create 3D models when there is no existing CAD data available. Perform detailed inspections and comparisons to existing models, surfaces and point clouds
- Tunneling: Capture tunnel profiles and centerlines for comparison with design, measuring undercut/overcut and volumes of extracted materials
- Crime Scene & Forensic: Quickly and thoroughly document accident and crime scenes including color for real world visualization

For more information visit  
<http://www.yourprecision.com/scanning.html>

# NEW SERVICES AND PRODUCTS NOW OFFERED BY YOUR LOCAL SURVEY DEALER



**PRECISION  
PRODUCTS**

Saturday, April 13, 2013

Kentucky Engineering Center - Frankfort, KY

# Board of Directors

## CALL TO ORDER

Thomas Clayborn, KAPS 2013 President, called the April 13, 2013 KAPS Board of Directors Meeting to order.

## PROXY VOTES:

One proxy was reported under deadline: Bob Fentress assigned his proxy to Don Pedigo on March 21, 2013. James Mayo moved to accept the proxy. Bill Jones seconded. Motion carried.

**MEMBERS PRESENT:** **Thomas Clayborn** – President; **Jonathan Payne** – President Elect / Jackson Purchase Chapter Chair; **John Schneider** – Vice President of External Affairs; **Kevin Phillips** – Vice President of Internal Affairs / Bluegrass Capital Chapter Chair; **Don Pedigo** – Past President; **James Mayo** – Treasurer / Director; **Tom Bushelman** – Director; **Bob Westermeyer** – Director; **Bill Jones** – Director; **Michael Ladnier** – Audubon Chapter Chair; **Tim Gehlhausen** – Falls of the Ohio Chapter Chair; **Johnny Justice** – Highlands Chapter Chair; **John Ledington** – Southeast Chapter Chair

**STAFF PRESENT:** **Molly Forrest** – Administrative Assistant

**GUESTS PRESENT:** none

**MEMBERS ABSENT:** **Bob Fentress** – Secretary / Director; **Craig Palmer** – NSPS Governor; **Chris Gephart** – Kentucky Board of Licensure Liaison; **Ted Niemann** – GIAC Liaison; **Steve Lilly** – KAMP Liaison / Northern Kentucky Chapter Chair; **Tom Crabtree** – Director; **Shaun Foley** – Barren River Chapter Chair; **Robert Miller** – Green River Chapter Chair; **Mike Ruggles** – Northeast Chapter Chair

## PRESIDENTS WELCOME

President Clayborn welcomed everyone to the meeting. Introductions were made. No guests were present.

## ADDITIONS OR REVISIONS TO THE AGENDA

Don Pedigo asked permission to report on his attendance at the Tennessee Association of Professional Surveyors (TAPS) Conference.

## REVIEW AND APPROVAL OF BOARD MEETING MINUTES

The minutes of the February 20, 2013 Board Meeting were reviewed. John Schneider made a motion to accept the minutes. Mike Ladnier seconded. Motion carried.

The minutes of the February 21, 2013 Board Meeting were reviewed. Don Pedigo made a motion to accept the minutes. Mike Ladnier seconded. Motion carried.

The minutes of the February 22, 2013 General Membership Meeting will be reviewed and voted on at the 2014 General Membership Meeting.

## KAPS OFFICER REPORTS

**President's Report** – President Clayborn asked the board to look over his report at their leisure. He extended his thanks for anyone involved in getting HB 145 (Statute of Limitations) passed. He further encouraged attendance at the golf outing and picnic to be held in June. Other announcements included: the KET Telefund was a success; the Exam Writing Session is Saturday, April 20 at the Kentucky Engineering Center.

President Clayborn also mentioned correspondence with the Indiana Society of Professional Land Surveyors (ISPLS) regarding the new regulations for utility locate tickets. Surveyors are supposed to call in for a utility locate ticket anytime they disturb the earth (driving a stake, etc.). ISPLS would like to get laws passed in their state for exemptions for disturbances less than six or eight (6 or 8) inches deep. President Clayborn contacted Tim Vaughn at KY 811 to ask for clarification on the regulation. Mr. Vaughn confirmed the need to call in for a utility locate ticket in Kentucky unless it is private property. President Clayborn asked the board to be considering if KAPS would want to take action on this issue in the future.

**President Elect's Report** – Jonathan Payne submitted a report in the board packet. He shared some ideas on increasing KAPS membership including making personal phone calls.

**Treasurer's Report** – The Balance Sheet / Treasurer's Report was reviewed. Jon Payne made a motion to accept. Mike Ladnier seconded. Motion carried.

**Administrative Assistant's Report** – Molly Forrest submitted a report in the board packet. She distributed the 2012 Fall seminar disbursement checks to the chapter chairs present; the remaining will be mailed out. She mentioned the old office copier and small refrigerator are still available to anyone willing to offer a small amount and pick them up. The chapter portions of the 2013 Membership Dues will be mailed out along with Excel rosters very soon.

### OLD BUSINESS

**Plat Law Legislation** – nothing new; in development stages

**KET Telefund** – a "Thank You" letter from KET was included in the board packet.

**Statute of Limitations (HB 145)** – President Clayborn reminded everyone of the formal bill signing to take place May 14 at 11:30 a.m. in the Governor's office.

**KAPS / NSPS 100% Joint Membership Program** – joint membership agreement is forthcoming.

**GIS Workshop "Surveying 101 for GIS Professionals"** – to be presented at the GIS Conference in September at the Galt House in Louisville. Don Pedigo will organize eight (8) one-hour sessions. Ron Householder will give a history of surveying.

Tom Bushelman suggested KAPS having a booth at the County Clerks Associational Conference in June and possibly present a similar course.

**State Specific Question Bank Item Writing Session** – April 20, 8:30 a.m. – 3:00 p.m. at the Kentucky Engineering Center

**HB 42 Concurrent Resolution, Timber Theft and Trespass Task Force** – will be addressed during the next legislative session.

### NEW BUSINESS

**Next KAPS Board Meeting** – Friday, June 14, 2013, 6:00 P.M. EST at the Wickland Historic Mansion, 550

Bloomfield Road (US 62), Bardstown, KY 40004  
**On-line Versions of Marco Rajkovich's Ethics and MTS Courses** – Marco Rajkovich would like KAPS to consider joining KSPE to produce an on-line version of his courses. Marco is cutting down on traveling and thought this idea might be an option. Bob Westermeyer made a motion to investigate partnering with KSPE, investment details, etc. John Schneider seconded. Motion carried. President Clayborn will investigate the idea further.

Bob Westermeyer added his opinion that KAPS form a group in the future to look into more online courses.

**Surveyors Rendezvous 2013** – August 28 – 31, 2013 in Philadelphia

**Tennessee Considering "Mortgage Loan Land Surveyor's Report" and "Land Surveyor's Property Description Report"** – Don Pedigo reported on his trip to the Tennessee Association of Professional Surveyors (TAPS) Conference. TAPS President, Benny Moorman, is of the opinion that surveyors are missing out on monies because the title companies and attorneys are making judgments regarding the deed and title issues. Due to the concern, Mr. Moorman has drafted two reports he would like to see implemented to put the surveyor back in the process: "Land Surveyor's Property Description Report" and "Mortgage Loan Land Surveyor's Report" (included in board packet). These reports are not surveys. Mr. Moorman thinks he has title attorneys on board with the idea. Mr. Pedigo is bringing this to the KAPS Board for informational purposes only.

### EX-OFFICIO DIRECTORS REPORTS

**GIAC Liaison** – report submitted

**KY State Board of Licensure Liaison** – no report; the next CPD meeting is Thursday, April 17 and the next Board of Licensure meeting is Friday, April 18.

**KSPE Liaison** – Don Pedigo reported the KSPE Conference just concluded and they have a new President. George Bender has retired and KSPE is searching for a new Director.

**Professional Development Chair** – the 2012 Chapter Fall Seminar Distribution Report was included in the board packet. Don Pedigo encouraged suggestions for the 2013 Fall Seminars.



Please speak up soon if your Chapter would like a seminar in your area. Johnny Justice requested two fall seminars in the Highlands Chapter.

#### CHAPTER REPORTS

**Audubon** – report submitted; Mike Ladnier reported their next chapter meeting will be in Madisonville.

**Bluegrass-Capital** – no report submitted; Kevin Phillips thanked everyone that helped with the KET Telefund.

**Falls of the Ohio** – report submitted; Tim Gehlhausen reported their next meeting will be in Mt. Washington and their attendance is up.

**Highlands** – no report submitted; Johnny Justice reported they haven't met this year but plan to meet next month and have a vendor speak.

**Northern Kentucky** – no report submitted; Tom Bushelman reported their chapter meetings have been good and well attended; Carlson presented at the last meeting.

**Purchase** – report submitted; Jonathan Payne reported good attendance with several MSU students in attendance. A thank-you letter was included regarding scholarships. The Purchase Chapter paid for any of their students that wanted to attend the exam review session and intend to do so in the future should KAPS decide to hold review sessions again.

**Southeast** – report submitted; John Ledington reported their first meeting would be held later in the month.

#### COMMITTEE REPORTS

**Annual Conference** – President Clayborn reported the Bluegrass Chapter would be the host chapter at the 2014 conference. The 2014 Conference Committee consists of Tom Clayborn, Bob Fentress, Bill Jones, James Mayo, Jon Payne, Don Pedigo, Kevin Phillips, and John Schneider. President Clayborn will set up a meeting for some time May.

The 2013 Conference Report was submitted in the board packet. Don Pedigo reported a profit of \$2,188.74. Food and beverage costs and the venue were significantly higher this year.

**Annual Golf Outing and Picnic** – Don Pedigo reported the annual golf outing and picnic will be Friday and Saturday, June 14 and 15 in Bardstown, Kentucky.

**By-Laws** – nothing new

**Education** – no report submitted; Tom Bushelman submitted information concerning the surveying students in northern Kentucky. Cincinnati State's surveying program is a two-year program. NKU allows Cincinnati State students to transfer their credits to their university in order to finish a four-year degree. The NKU program has recently come under new directorship and many of the necessary classes have been scheduled for daytime hours instead of online and evening classes. This change is a problem for non-traditional students who work during the daytime. The boards of Cincinnati State and NKU are trying to get the new director to make changes.

**Legislative** – report submitted

**Membership** – no report submitted; President Clayborn appreciates everyone's efforts to increase membership.

**Professional Development** – nothing further

#### SPECIAL COMMITTEE REPORT

**KY /TN State Line Monuments** – report submitted

#### ADJOURNMENT

Bob Westermeyer made a motion to adjourn. James Mayo seconded. Motion carried. Meeting adjourned.

Respectfully submitted by

Molly M. Forrest for Bob Fentress, PLS, Secretary  
Edited for content by Doug Comer, PLS, PE, Editor

## Don Pedigo, PLS

KAPS Past President

[dpedigo@scrtc.com](mailto:dpedigo@scrtc.com)

# KAPS Annual Golf Outing & Picnic

KAPS held their annual golf outing and picnic on June 14<sup>th</sup> and 15<sup>th</sup> at My Old Kentucky Home State Park golf course and the Wickland Historic Mansion (Home of Three Governors) in Bardstown, Kentucky. If you have not had the opportunity to visit this area, put it on your bucket list as a place to go. This part of central Kentucky is beautiful and the history is truly something to witness.

I would like to take this opportunity to thank everyone who attended, helped and/or contributed to the events. "THANK YOU!"

First and foremost I owe a tremendous thank you to my wife Cathy. Kevin Philips was also a big help in organizing this event. And of course Steve and Molly Forrest along with the several people for their help, generosity, and dedication to the golf outing, picnic, KAPS and the surveying profession in the Commonwealth of Kentucky.

The success of both events could not have been possible if it wasn't for the hard work of the following individuals:

**Tom (President) and Debbie Clayborn**, Tom for his hard work this year for KAPS and the golf outing and Debbie, for graciously preparing and donating the sides and desert for the picnic the food was great. THANK YOU!

**Jonathan Payne** expertly organized, oversaw and judged the survey competitions. He did a great job



and provided not only the oversight of the competition, but also generously donated the equipment for the competitors to use. **Jon** deserves a tremendous thanks for his generosity and effort – THANK YOU!

**Stephen and Dixie Hibbs**, assisted us with reservation of, and donation of the use of the Wickland Historic Mansion for the Board of Directors meeting and Picnic. The picnic would not have been nearly as successful if not for their help and generosity. Ms. Dixie Hibbs, (Stephen's mother) is a long time resident of Nelson County, local historian, former Mayor of Bardstown and author of several books. She is very involved with the Wickland Historic Mansion, works with the Friends of Wickland and other groups in the preservation and management of this historic property.

In these challenging economic time surveyors and their family's continue to impress me and make me proud to be a surveyor. The generosity of the sponsors, participants and the attendees is proof of the resilience and perseverance of surveyors in Commonwealth of Kentucky. The turnout for both the golf outing and the picnic was great. After expenses the Golf outing and Picnic raised approximately **\$8,030.00** for our Scholarships and KAPS. "**Truly Special in my book**" And to top it off a great time was had by all!





**First Place - Team Palmer**

Kelly Whittington  
Craig Palmer

Katie Whittington  
Clay Lyons

**The Golf Outing:**

The golf outing was composed of Seven teams from all around Kentucky and Tennessee. The weather was perfect and the golf was great. The final team scores were close with a 56 winning and 58 and 61 being the second and third place scores. Lunch for the golf outing was provided by a local grocery, the sandwiches and drinks were delicious and hit the spot. Due to the generosity of the hole sponsors and the wonderful participation we received, KAPS was able to offer cash prizes for first, second and third place. This year's First, Second and Third place

teams along with individual winners are as follows:



**Second Place**

**Team Qk4**

Bill Short  
John St Clair  
Jeff Clark  
Scott Shufflebarger

**Third Place**  
**Team Clemons**

Lannie Fentress  
Craig Clemons  
Kendall Clemons  
Tony Lee



Closest to the pin and long drive competitions were won by:

Hole No. 2 - **Clay Lyons**

Hole No. 7 - **Kendall Clemons**

Hole No. 14 - **Thomas Clayborn**

Hole No. 10 (Long Drive) - **Craig Palmer**

Once the winners of the golf outing were settled and announced, the door prizes were drawn for and presented with congratulations to the teams and individual players. **All of the teams graciously donated the prize money back to KAPS and the scholarship fund.** Their generosity is truly appreciated.

**The Picnic and Survey Competition:**

As mentioned earlier, Jonathan Payne generously organized, oversaw and judged the survey competitions along with providing his survey equipment for everyone's use. The following is a summary of the competition and results:



The competition was comprised of a three point traverse, the contestants had to pace three side distances and estimate the three interior angles, then estimate the acreage within the traverse.

There was also a baseline running off of the traverse that the contestants had to guess by sight the distance, elevation difference, and bearing.

There were three trees flagged indifferent colors that the contestants had to identify.

Finally, there was a time set-up of an optical plummet tribrach.

## The Survey Competition results:

### Pacing the three distances:

	Measured	Paced	Winner
Line AB	218.97	225	Bob Neuhaus
Line BC	213.58	220	Bob Neuhaus
Line CA	261.65	270	Bob Neuhaus

### Estimating the three interior angles:

	Measured	Estimated	Winner
A	51 d 50 m 44 s	50 d	Bill Jones
B	74 d 25 m 47 s	75 d	Steve Forrest
C	53 d 43 m 29 s	45 d	Bill Jones, Steve Forrest, Tom Clayborn

### Estimating the acreage within the traverse:

Measured -	0.5 acres
Estimated -	0.7 acres
Winner -	Tom Clayborn and Steve Forrest

### Baseline e stimating by sight:

Distance of Line Measured -	127.12
Estimated -	125
Winner -	Tom Clayborn

Elevation Difference	Measured -	3.3
	Estimated -	3.5
	Winner -	Steve Forrest
Bearing	Measured -	S 38 E
	Estimated -	S
	Winner -	Dr. Linsey Neuhaus



*Please note that we failed to recognize Dr. Linsey Neuhaus for winning the "estimate the bearing" category while handing out prizes, Dr. Neuhaus we truly apologize and congratulations on winning that category!*



Tree Identification: Winner 3 for 3 Tom Clayborn  
Timed Tribrach Set-up: Winner - Tom Clayborn with a time of 1'05.75"

### Golf Hole Sponsors:

The following individuals and companies provided support for KAPS, the golf outing and our scholarships by generously giving monies for hole sponsorship and/or gifts and prizes for the golfers. Please extend a special thanks to the following golf sponsors by allowing me to recognize them now:

**Abbie Jones Consulting**  
**Alliance Corporation**  
**American Engineers, Inc. (AEI)**  
**Anderson Engineering & Land Surveying, PLLC**  
**Arnold Consulting Engineering Services, Inc.**  
**Assurance Risk Managers (ARM)**  
**Audubon Chapter of KAPS**  
**Barge Waggoner Sumner & Cannon (BWSC)**  
**Barren River Chapter of KAPS**  
**Bell Orr Ayers & Moore (BOAM)**  
**Bob and Bonita Fentress**  
**Bryant Engineering, Inc. (BEI)**  
**BTM Engineering, Inc.**  
**Carlson Software**  
**County Surveyors Association**  
**DDS Engineering, PLLC (DDS)**  
**Denham-Blythe Company, Inc.**  
**DLZ Kentucky, Inc.**  
**Dyer & Associates, LLC**  
**Dummer Surveying & Engineering Services, Inc.**  
**Endris Engineering, PSC**  
**Engineering Design Group, Inc.**  
**EnSafe**  
**Gary Force Toyota**  
**Glasgow Tire & Auto Center, Inc.**  
**Glass Aggregates, LLC**  
**Government Strategies**



**McCauley & Company, Inc.**  
**MLH Civil Engineers, PLLC**  
**Morley and Associates, Inc.**  
**Palmer Engineering**  
**Photo Science, Inc.**  
**Pride Engineering & Land Surveying, Inc.**  
**Precision Products**  
**Ronald Johnson and Associates, PSC**  
**Scotty's Contracting & Stone, LLC**  
**Scott, Murphy & Daniel, LLC**  
**SE Engineering**  
**Shield Environmental Associates Inc.**  
**Sisler-Maggard Engineering, PLLC**  
**South Central Bank**  
**Southeast Chapter of KAPS**  
**SW Chapter of IN. Prof. Surveyors (ISPLS)**  
**US Bank**  
**Van Meter and Slavey, LLC**  
**Vaughn & Melton Consulting Engineers, Inc.**  
**Walker & Associates Insurance**  
**W.B. Griffin & Son Insurance Administrators**  
[www.Compassionatefriends.com](http://www.Compassionatefriends.com)  
**(E. Laughlin)**  
**Zaenkert Surveying Essentials**

**Gift & Door Prize Sponsors for the Golf Outing & Picnic:**

The following companies also supported KAPS, the golf outing and/or the picnic by supplying gifts for the goodie bags that were given to the golfers and picnic attendees and/or by providing prizes for the

golfers and picnickers. Please extend a special thanks to the following golf sponsors:

**Gresham Smith & Partners (GS&P)**  
**GRW**  
**Hayes Instrument Company**  
**HDR Engineering, Inc. & Bruce Snook**  
**Horizon Engineering, LLC**  
**Integrated Engineering, PLLC**  
**Jackson Purchase Chapter of KAPS**  
**Keaton Land Surveying**  
**Kerrick, Stivers, Coyle & VanZant, PLC**  
**KWM Engineering and Land Surveying**  
**Land Design & Development, Inc. (LD&D, Inc.)**  
**Landmark Engineering, Inc.**  
**Leftwich Land Surveying, Inc.**

**Alliance Corp.**  
**American Engineers, Inc.**  
**Assurance Risk Managers**  
**Barge Waggoner Sumner & Cannon**  
**Batteries Plus of Bowling Green, Kentucky**  
**BB&T**  
**Citizen First Bank**  
**DDS Engineering, PLLC**  
**Don & Cathy Pedigo**

**Eastern Kentucky University (EKU)**  
**Endris Engineering, PSC**  
**EnSafe**  
**Farmers Bank (Frankfort, KY)**  
**Food Lion**  
**Government Strategies**  
**Hayes Instrument Co.**  
**Hibbs Surveying**  
**Home Depot**  
**Houchens Industries**  
**Independence Bank**  
**Lowes**  
**Marriott Griffin Gate**  
**Morley and Associates, Inc.**  
**Palmer Engineering**  
**Precision Products**  
**Ragan Smith Associates, Inc.**  
**Stantec**  
**Tom & Debbie Clayborn**  
**US Bank**  
**Vaughn & Melton Consulting Engineers, Inc.**  
**Walker & Associates Insurance**  
**Western Kentucky University (WKU)**

I have probably failed to mention someone, and for that I apologize because the success of the events should be shared by all. The support of the companies and individuals referred to in this article is a testament to the members, friends and extended family of KAPS and most importantly to the surveying profession.

The fellowship and friendly laid back atmosphere at the picnic was remarkable. Picnic attendees were a cross-section of experienced and young surveyors, including their wives and children.

I wanted to author this article because I am personally excited at the event's success, truthfully the generosity of our sponsors, the organizers, and participants

touch my heart, and there is a plus "I enjoy it". Cathy and I had a great time and appreciate being involved in both the golf and picnic.

**My Sincerest Thank You!!**  
**Don Pedigo, PLS**

## GIFTS & SPONSOR

### DOOR PRIZE

## KAPS 2013 GOLF OUTING

<p>American Engineers, Inc. Alliance Corp. Assurance Risk Managers Barge Waggoner Sumner &amp; Cannon Batteries Plus of Bowling Green, KY BB&amp;T Citizen First Bank DDS Engineering, PLLC Don &amp; Cathy Pedigo Eastern Kentucky University (EKU) Endris Engineering, PSC EnSafe Farmers Bank (Frankfort, Ky) Food Lion Government Strategies Hayes Instrument Co. Hibbs Surveying Home Depot Houchens Industries Lowes Morley and Associates, Inc. Palmer Engineering Precision Products Ragan Smith Associates, Inc. Stantec Tom &amp; Debbie Clayborn US Bank Vaughn &amp; Melton Cons. Engs, Inc. Walker &amp; Associates Insurance Western Kentucky University Marriott Griffin Gate Resort &amp; Spa</p>	<p>Kuzy's, Tees &amp; footballs Kuzy's, Chap Stick Ltr. Opener &amp; Pens 2 Dozen Golf Balls 2-\$25 GC &amp; Pens Pens, Pencils &amp; Candy Golf Tees Balls &amp; Ltr. Opener Drinks &amp; Picnic Supplys Lanyards Golf Balls &amp; Tees Chap Stick &amp; Pens Tees &amp; B. Spray &amp; Print Drinks Flash Drives Print &amp; Mini Fld Books Wickland Rent Drinks &amp; Paint Paddles Drinks Drinks &amp; Paint Paddles Ball Markers Golf Tee Packets Picnic Door Prizes Pens and Note Pads Pads and Lanyards Picnic Condiments Chap Stick Umbrella Bottle Kozys Red Towels 1 weekend stay certificate &amp; 1 complimentary round of golf for 2 people 2-Outdoor Chairs, 2-Golf Umbrellas, 2-\$25 Golf Plus Gift Certificates</p>
---	---

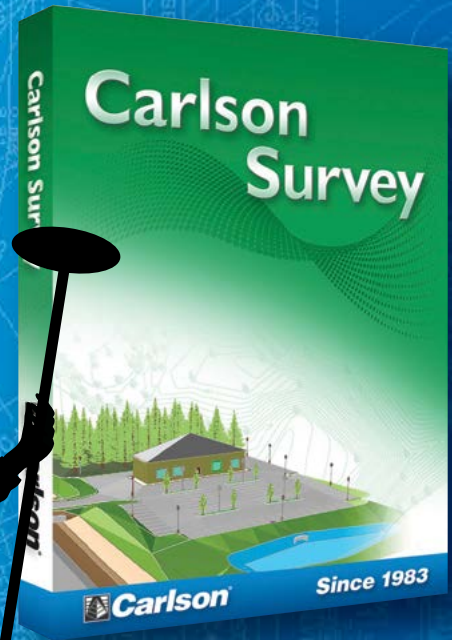
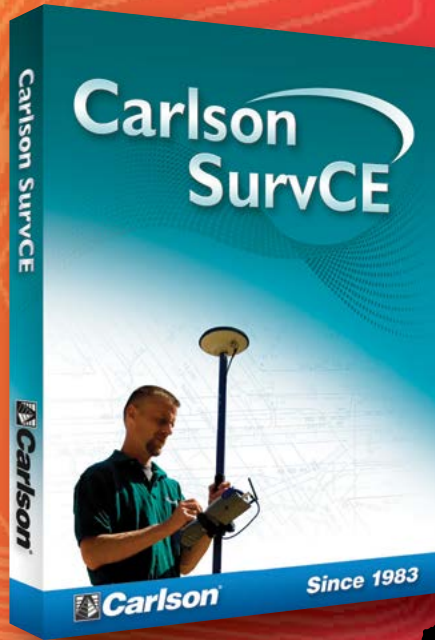



# Made for You & Made for Each Other!

Get complete control of your data flow with the all new...

Carlson SurvCE 3.0  
in the field

Carlson Survey 2014  
in the office



# With Both... You'll Rock!

For more information call 606-564-5028  
or visit [www.carlsonsw.com](http://www.carlsonsw.com)

© Copyright 2013 Carlson Software, Inc. All rights reserved. Carlson Software is a registered trademark of Carlson Software, Inc.

 **Carlson**<sup>®</sup>  
...For the Total Project

	Civil Engineering Land Surveying Transportation Engineering Materials Testing Land Planning Landscape Architecture
	183 Saint Charles Street Bowling Green, KY 42101 Office: 270-842-0812 Fax: 270-842-0910 <a href="http://www.landmarkengineering.net">www.landmarkengineering.net</a>
Quality • Innovation • Integrity • Satisfaction •	


---

*Your Project, Our Promise*  


---

 Professional Consulting Engineers and Land Surveyors  


---

 Georgia · Kentucky · North Carolina · South Carolina · Tennessee  


---

 1-800-388-6660      [www.VaughnMelton.com](http://www.VaughnMelton.com)



Visit  
our  
website!

www.KAPS1.com

## Coverage That's Right For You

W.B. Griffin & Son

Insurance Administrators  
A Pearl Company

Land Surveyors  
Landscape Architects  
Engineers & Architects

www.wbgriffininsurance.com | 855.782.0176  
127 Cheapside • Lexington, KY 40507-1303



PRECISION  
PRODUCTS





www.yourprecision.com

Serving All of Kentucky With  
3 Convenient Locations!

Central Kentucky:  
LOUISVILLE (502) 459-1900

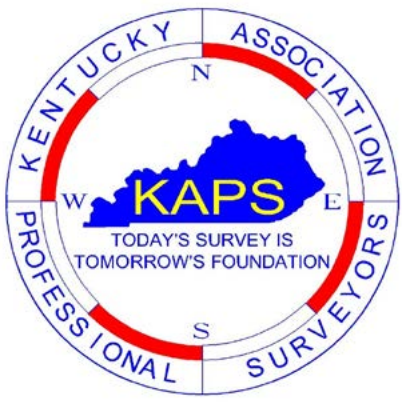
Eastern Kentucky:  
LEXINGTON (859) 225-3477

Western Kentucky:  
EVANSVILLE, IN (812) 434-9900



We Are A Proud  
Supporter of KAPS!!!





# KAPS 2013 MEMBERSHIP APPLICATION

Please complete form:  
email to [mforrest@kaps1.com](mailto:mforrest@kaps1.com)  
or fax to 502.695.2667 or mail to  
KAPS • 124 Walnut Street • Frankfort, KY 40601

NAME \_\_\_\_\_ SPOUSE \_\_\_\_\_

CHAPTER \_\_\_\_\_ KY PLS # \_\_\_\_\_ LSIT # \_\_\_\_\_

RESIDENCE ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

BUSINESS NAME & ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PREFERRED MAILING ADDRESS:  RESIDENCE  BUSINESS

PREFERRED EMAIL ADDRESS \_\_\_\_\_

BUSINESS WEBSITE \_\_\_\_\_

HOME PHONE \_\_\_\_\_ CELL PHONE \_\_\_\_\_

BUSINESS PHONE \_\_\_\_\_ FAX \_\_\_\_\_

BIRTHDAY \_\_\_\_\_ HIGHEST DEGREE \_\_\_\_\_

I HEREBY CERTIFY THE STATEMENTS MADE ON THIS APPLICATION ARE CORRECT AND THAT, IF ELECTED, I AGREE TO BE BOUND BY THE CONSTITUTION AND BY-LAWS OF THE ASSOCIATION.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## CLASSIFICATION OF MEMBERSHIP

- CORPORATE MEMBER \$240.00
- FULL MEMBER \$175.00
- AFFILIATE MEMBER \$ 87.50
- ASSOCIATE MEMBER \$ 87.50
- COMPATRIOT MEMBER \$ 87.50
- SUSTAINING MEMBER \$ 87.50
- STUDENT MEMBER \$ 0.00
- FIRST LICENSED YEAR \$ 0.00

CHECK ENCLOSED  CREDIT CARD

MC / VISA # \_\_\_\_\_

3-DIGIT V-CODE (on back of card) \_\_\_\_\_

EXPIRATION DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

REFERRED BY \_\_\_\_\_

100% Annual Dues January – June; 75% Annual Dues July – December (proration according to date of application)