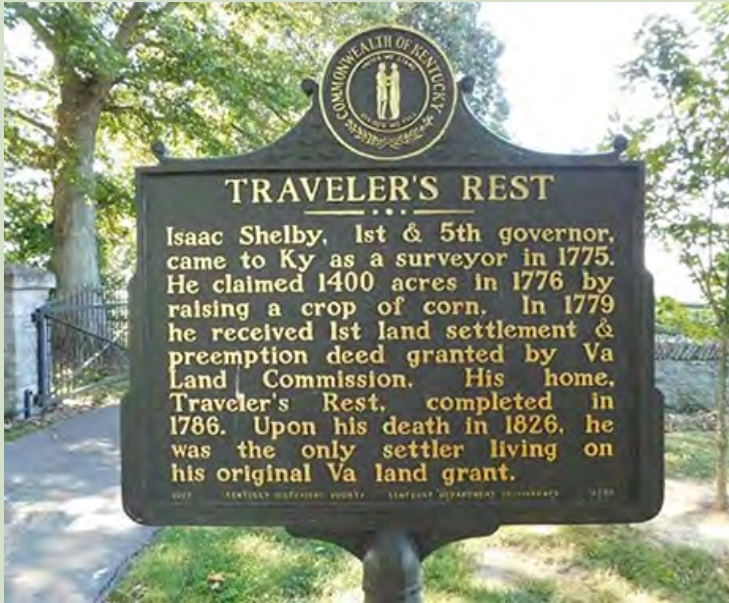


THE INTERIOR ANGLE

Tom Bushelman is gettin' hitched and you're invited! Page 8



On Saturday Sept. 23, surveyor Isaac Shelby was honored by the Kentucky Society Governor Isaac Shelby Chapter of the Sons of the American Revolution with the placing of a memorial monument in his honor at Traveler's Rest, the Isaac Shelby Cemetery in Lincoln County, now a state historic site



Chapter President Forrest Chilton stands at the entrance of the Isaac Shelby Cemetery looking at the new stone that honors our chapter namesake.



Kentucky Association of Professional Surveyors

Summer-Fall 2017, Issue 2



ADVERTISEMENT POLICY

The Interior Angle is the official publication of the Kentucky Association of Professional Surveyors (KAPS). It is published quarterly to communicate with the professional surveying community as well as those in 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 provided to KAPS members and similar organizations on a complimentary basis.

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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. All advertisements are published as a service to readers, and their publication does not imply or express any endorsement or recommendation by KAPS. The rates are:

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1/4 Page	\$65/\$225
Business Card	\$50
Business Card (KAPS Member) Classified	\$25
Classified (KAPS Member)	\$40
	\$20

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

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Table of Contents

From the President's Desk

Josh Calico, PLS

Page 4

KAPS 2017 Fall Seminar Schedule

Page 5

Fall Seminar Registration Form

Page 6

Invitation to the Wedding of Tom

Bushelman Jr. & Pamela Messer

Page 8

KY Board of Engineers & Land Surveyors

(BOELS) Board Report

Page 9

KY BOELS Board of Directors

Page 10

Fish Fry to Benefit Brad and Melody

Allen Armstrong

Page 11

Meet Our Corporate Sponsor

The Underground Detective

Page 13

Buffalo Trace-Wilderness Road

Surveyors Rendezvous

Page 16

Meanderings

Kyle Elliott

Page 17

KAPS Board of Directors

April 8, 2017, Page 20

June 30, 2017, Page 23

KAPS Membership Application

Page 26

KAPS 2016-17 Officers & Directors

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KAPS 2016-17 Standing Committee Chairs & Co-Chairs

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Scholarship	John St. Clair, PLS

On the cover:

The new monument honoring Isaac Shelby is a 4' long, 18" tall stone with bronze plaques from several historical societies that focus on the Revolutionary War period and Shelby's legacy. These include the Sons of the American Revolution, Daughters of the American Revolution, Children of the American Revolution, Society of the War of 1812 in the Commonwealth of Kentucky, and the Overmountain Victory Trail Association. Used with permission. For more, visit www.gissar.org/

Joshua S. Calico, PLS

2017 KAPS President
(502) 458-1508 - JCalico@MindelScott.com

From the President's Desk

Hard to believe summer has ended and we are well into fall. I hope everyone has been able to manage their busy work schedules to give the needed time to their families as well.

Be sure to save the date for the upcoming 2018 conference Feb. 15-17 at the Owensboro Convention Center, with the theme "Growing & Protecting Our Profession." Our conference committee has also been able to hold a couple meetings to start putting together the 2019 conference and have several locations in Louisville to discuss. We have received bids from multiple hotels in the Louisville area and have narrowed it down to two.

Mike Ladnier is in full swing scheduling fall seminars for this year. Thanks to Mike and all of the chapters that are working with him to get the seminars together.

Congratulations to Ben Shinabery and his team as they won the 2017 KAPS Golf Scramble! I thank everyone that took time out of their busy schedules this year to help with organizing the golf outing. It is a lot of work and a ton of phone calls to get everything scheduled, and it is an important event to hold each year so that KAPS has the ability give out scholarship money to deserving students.

Jon Payne is once again working with KAPS on coming up with some online content for us to be able to offer to members and FUTURE members. This is a process that will take a lot of time and effort to work out all of the kinks, and also to be able to provide current and useful content that people will want to use. I am sure Jon will welcome all of the help he can get to make this endeavor a success.

Last but not least, thanks to the Kentucky Association of Mapping Professionals for the invitation extended to KAPS members to attend their conference in September. KAMP did a great job with their conference this year and we appreciate the organization providing the opportunity for KAPS to be involved. I look forward to many more opportunities for KAPS and KAMP to work together for the growth and betterment of our professions.

Have a great, safe fall season!



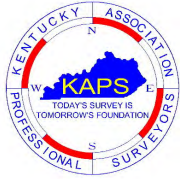
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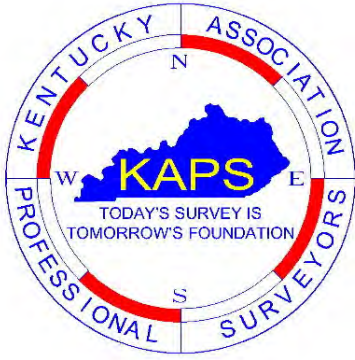


KAPS 2017 FALL SEMINAR SCHEDULE

124 Walnut Street ▪ Frankfort, KY 40601 ▪ Phone: 800.866.3029 ▪ Fax: 502.695.2667 ▪ Email: mforrest@kaps1.com ▪ **online registration at 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; all requests must be in writing.**

DATE	SEMINAR	INSTRUCTOR	CREDITS	TIME	NSPS MEMBER	NON-MEMBER	LOCATION
Friday, November 3	<i>Ethics, Code of Conduct, & Standards of Practice</i> Course # 15-07-050 *4 General Credits / 4 Standards of Practice Credits	Jonathan Payne, PLS	Surveyors: *8 PDH Engineers: 6 PDH	8 A.M. – 5 P.M.	\$170	\$170	Barren River State Park 1149 State Park Road Lucas, KY 42156
Friday, November 3	<i>Standards of Practice, Ethics, & Code of Conduct</i> Course # 15-07-033 <i>Taking Advantage of OPUS - Network RTK vs RTK Networks</i> Course # 16-10-045	Chris Gephart, PLS Jeff Clark, PLS	4 PDH 4 PDH	8 A.M. – 12 P.M. 1 P.M. – 5 P.M.	Half Day: \$85 Full Day: \$185	Half Day: \$85 Full Day: \$285	Big Sandy Community & Tech College 1 Bert T. Combs Drive Student Center Room 203 Prestonsburg, KY 41653
Friday, November 3	<i>Surveying Lessons Learned While Laser Scanning</i> Course # 17-01-026 <i>Traditional Survey with Laser Scanning and Drone Capture</i> pending approval	Ben Shinabery, PLS Ben Shinabery, PLS	4 PDH 4 PDH	8 A.M. – 12 P.M. 1 P.M. – 5 P.M.	Half Day: \$135 Full Day: \$185	Half Day: \$235 Full Day: \$285	Ramada Plaza Conference Center 9700 Bluegrass Parkway Louisville, KY 40299
Friday, November 17	<i>Getting the GIS of It: GIS for the Modern Geomaticist</i> Course #17-01-028 <i>Field Procedures: Back to the Basics</i> pending approval <i>GPS Procedures: Back to the Basics</i> pending approval	Stephen Chino, PLS Jonathan Payne, PLS Jeff Clark, PLS	2 PDH 2 PDH 4 PDH	8 A.M. – 10 A.M. 10 A.M. – 12 P.M. 1 P.M. – 5 P.M.	Half Day: \$135 Full Day: \$185	Half Day: \$235 Full Day: \$285	Home Builders Association of O'boro 3515 Wathens Crossing Owensboro, KY 42301
Friday, December 1	<i>Ethics, Code of Conduct, & Standards of Practice</i> Course # 15-07-050 *4 General Credits / 4 Standards of Practice Credits	Jonathan Payne, PLS	Surveyors: *8 PDH Engineers: 6 PDH	8 A.M. – 5 P.M.	\$170	\$170	Shiloh's Roadhouse 218 Russell Dyche Memorial Hwy London, KY 40741
Saturday, December 2	<i>Relative Positional Precision Explained in Everyday Language</i> pending approval	Todd Horton, PLS	8 PDH	8 A.M. – 5 P.M.	\$185	\$285	Kentucky Engineering Center 160 Democrat Drive Frankfort, KY 40601



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:
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Please Join Us!

Pamela Messer and Tom Bushelman Jr. joyfully invite you to their informal wedding celebration, pig roast and bluegrass jam on:

*Saturday,
October 28, 2017
Beginning at 4:00 p.m.
2263 Waller Road
Verona, Kentucky 41092*

Officially - we will be married privately at our Rockcastle farm on Thursday, October 26th. Our wedding celebration will be an informal pig roast and bluegrass jam on Saturday, October 28th beginning at 4 p.m. Dress comfortably and bring an instrument if you'd like to pick! We have NOT registered for gifts (gifts are not necessary), but we would love for you to bring your favorite covered dish along with a copy of the recipe so we may create a recipe book of all of the foods we enjoyed at our celebration.

To RSVP to this invitation:
<https://www.surveymonkey.com/r/XYJTGNK>

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 July 2017

Board Members

Please join us in welcoming our newest board member, Gail DePuy, PE, PhD, the Interim Dean of the JB Speed School of Engineering at the University of Louisville. We thank John Usher, PE, PhD for his service on the board during his tenure as Interim Dean and welcome Dr. DePuy as she takes over that position.

Exam Results

Computer Based Testing (CBT):

The Fundamentals of Engineering (FE), Fundamentals of Surveying (FS), and Principles & Practice of Surveying (PS) results for January 1 through June 30, 2017 are as follows. The first % is Kentucky and the second % is the national average:

FE: 75%; 64%
FS: 38%; 41%
PS: 43%; 57%

Paper & Pencil Testing:

The April 2017 results for the Principles & Practice of Engineering (PE) exams are as follows. The first % is Kentucky and the second % is the national average:

PE: 62%; 59%

Verifications

If you need your license or exam information verified for another state, please go to <http://ncees.org/> and log in to, or create, your MyNCEES Account. From there you can manage your electronic verification requests.

This process is much faster than mail. The second after we complete the electronic form, it is part of your NCEES file and sent to the state you designated.

Continuing Education

There has been some confusion regarding how to calculate Professional Development Hours (PDH) relative to "mixed events" such as a professional society luncheon where part of the time is a

professional development activity and part is other business. For example, during a one-hour lunch, 30 minutes is a speaker on a technical topic and 30 minutes is a business meeting for the organization. You would claim ½ PDH for the technical topic. Time used to sell or advertise a product, in-service training, orientation to specific institutional policies and practices, etc. cannot count.

Just a reminder, you can now use a free continuing education tracking system where you can enter your continuing education courses, scan and store documents such as completion certificates, and transmit electronically to us if you are selected for audit. It can also be used for other states:

<http://ncees.org/cpci/>

ENFORCEMENT ACTIONS SUMMARY

For The Period
April 15, 2017 – July 27, 2017

NATHAN SMOTHERS, AIA

In 2015, the Board received information that Nathan Smothers, a licensed architect from Indianapolis, Indiana had practiced professional engineering in Kentucky without a license, in violation of KRS 322.020. Specifically, Mr. Smothers was alleged to have prepared certain drawings and specifications for a proposed addition to a restaurant in Louisville and submitted them to the local building codes authorities for approval. A board investigation confirmed that Mr. Smothers had prepared the drawings and specifications, and it was determined that the preparation of those drawings and specifications constitutes the practice of engineering as defined in KRS 322.010. To resolve this matter, Mr. Smothers entered into an Agreed Injunction, which bars him from further unlicensed practice. 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 June 7, 2017.

2017 KY State Board of Licensure Board of Directors

The Kentucky State Board of Licensure for Professional Engineers and Land Surveyors (KYBOELS) was established by the General Assembly in 1938 to protect the public health, safety and welfare. This is accomplished through the licensing and monitoring of individuals and firms deemed qualified to practice.

Among the services KYBOELS provides to engineers and surveyors and the public are licensure, reciprocity, examinations, and investigations and regulatory compliance. KYBOELS is not associated with the Kentucky Society of Professional Engineers; however, KYBOELS resides in the Kentucky Engineering Center as a leasee of KSPE.

Statutes and regulations regarding engineering and surveying law in Kentucky are available on the KYBOELS website, <http://kyboels.ky.gov>. If you have specific questions not addressed here, please contact the board office at 800-573-2680 or 502-573-2680.

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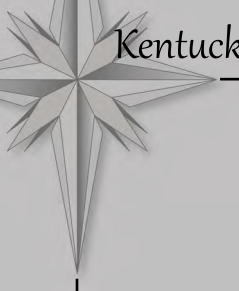
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OCT 27 **Fish Fry Benefit for Brad and Melody Allen Armstrong**
 Public · Hosted by Karen Daugherty Richard

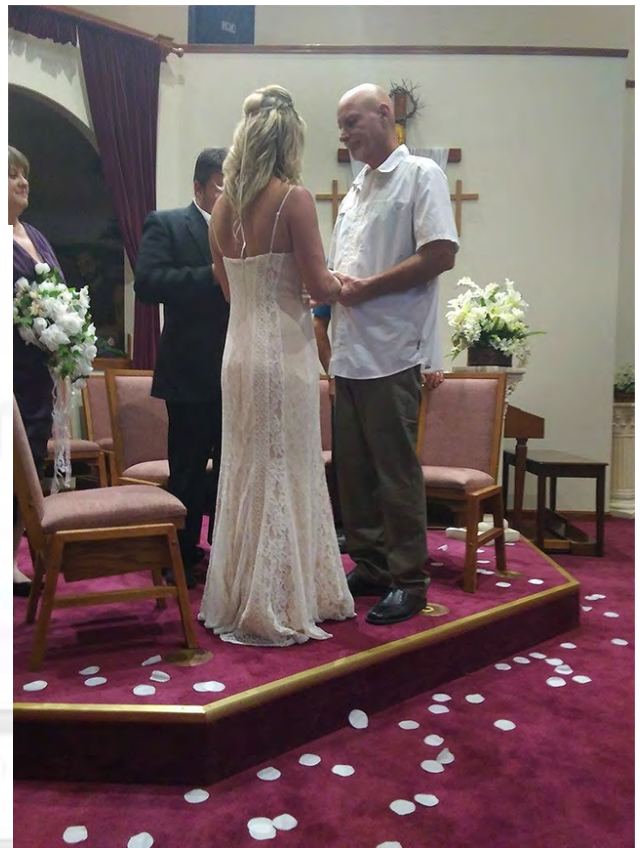
★ Interested ✓ Going + Invite Friends ↗ Share ...

🕒 Friday, October 27 at 4:30 PM - 9 PM

📍 283 Crestwood Ln, Louisville, KY 40229-3210, United States [Show Map](#)

About Discussion

61 Going · 142 Interested
 Share this event with your friends ↗ Share



You can help by liking and sharing this post on [Facebook!](#)

And please plan to join us beginning at 4:30 p.m. Friday, October 27 for this fish fry to benefit Brad and Melody

Details

Most of you know Brad Armstrong and his lovely wife Melody. Brad has done a lot of work in Bullitt County as one of the leading surveyors in our county. Unfortunately, a few short months ago Brad received a diagnosis of terminal pancreatic cancer, We continue to pray everyday for a miracle healing from our Heavenly Father. With all that being said, we would like to ease this family's burdens in anyway possible. Since Brad was self employed and is no longer able to work because of his declining health we would like to help them financially. Please join us on Friday, October 27th at the Hillview Government Center we will be hosting a fish fry (all proceeds will go directly to Brad and Melody). We will also have a silent auction, and musical entertainment. You will also have the opportunity to donate directly to Brad and Melody at the benefit. Please come out and join us for dinner and help two really wonderful people through a very difficult time. Feel free to contact me at [502-797-6633](tel:502-797-6633) should you have any questions or would like to donate auction items. We are currently trying to line up the entertainment too. God Bless!



Karen Daugherty Richard

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Several people have shown interest in donating baskets for the Silent Auction. Ideally, I would like to receive them by 10/22. Please feel free to drop them off at Hillview City Hall located at 283 Crestwood Lane Mon thru Fri 8:30am till 5pm, or call me at [502-797-6633](tel:502-797-6633) and I can make arraignments to pick them up.



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Meet Our Corporate Sponsor

The Underground Detective

Imagine a map of the most sprawling city you know, with streets and rivers entwined in an intimidating maze for blocks on end.

There's a grid just like that underground – with utility lines instead of streets and sewers instead of rivers – but no one holds the definitive map. Those who need to dig underground soon discover the route is congested, to say the least.

That's where The Underground Detective comes in. This Cincinnati-based company detects utilities by combining the deduction skills of a sleuth with the X-ray vision of a superhero. It's almost an art locating utilities, a lot of it is based in training, but sometimes a job is just not cut and dried. It takes special equipment, and a lot of experience.

Underground Detective teams practice a growing specialty called "subsurface utility engineering." It involves gear such as radar and radio telemetry to detect what exactly lies beneath your feet. Their targets range from gas and water lines to abandoned storage tanks, and for the commercial industry, their work is invaluable.

What's beyond the meter?

At first glance, Rob Harris' company sounds similar to the national 811 "one-call" system. When consumers call 811, they come to their jobsites to mark hidden underground utilities for free, ensuring safe digging on projects. The difference, though, is that 811 services stop at the consumer's meter.

"Say you have a heated swimming pool," Harris said, "that gas line to the pool is after your meter. It's considered private, and 811 won't mark that."

The problems compound in places like office parks or industrial areas where utilities may zigzag all over the property. Utilities may even be laid inside concrete flooring, adding a challenge to new construction or

even routine remodeling. Even if clients have an architect's plan showing their utility line placement, they still need a private utility locator, said Harris.

"It's a big misconception that if you have 'as-built' drawings, you think you know where your utilities are. Underground Detective goes on job sites all the time where we locate a utility and the client says, 'That's not where that goes. The plans show it over here.'"

The reasons have little to do with builder negligence but about the reality of solving problems onsite during construction. Maybe there was something in the way that day so the contractor dug around it.



All those wonderful toys

The tools of the trade are the kind of high-tech gadgets you'd expect for a mobile forensics unit. In fact, there's so much gear, that Underground Detective often gets jobs because they have the most tools to call upon. To see

underground, for example, the detectives use electromagnetic sensing equipment and ground-penetrating radar to map utilities to grave sites.

The ground-penetrating radar device looks like a lawnmower, but acts like a sonogram. The machine sends electromagnetic waves into the ground which bounce back from underground objects, making it good for finding underground storage tanks and plastic utilities.

Meanwhile, the electromagnetic gear turns the conduit of a utility line into a radio antenna, broadcasting a signal along its length. Above ground, technicians wave a large sensor tuned to the same frequency to pinpoint where lines run.

Looking for something non-metallic like a vitrified clay pipe or PVC plastic sewer? The detectives feed a "locating sonde" – a small transmitter – through the

(cont.)

pipe using a fiberglass push rod. Technicians on the surface can trace the course of the sonde and mark the pipe's course. A sonde fitted with a camera can even reveal the condition of the pipe.

If necessary, prior to construction, a vacuum excavation truck can excavate a deep column of dirt to expose the conduits.

History in the making

The Underground Detectives are a family business with roots that go back to 1975 to Harris' father and his best friend, a Cincinnati plumber.

"My dad and his friend were having the same problem as all other plumbers in the city," Harris said. "They'd go to unstop a sewer, decide they needed to dig it up, then ask, 'Well, where do we dig?'"

They found a piece of equipment in California that could pinpoint sewers, and they brought it to the Midwest. Suddenly, all the other plumbers in town were hiring them.

"It happened over night, and he never went back to plumbing," Harris said. "Customers would ask, 'While you're at it, can you locate the water line?' So they added more equipment as it came out, and they never looked back."

The Underground Detective became its own business in 1994, and Harris came on board in 1997. Since then, he has watched the business continue to build.

"It's been amazing to watch," Harris said. "Once people know The Underground Detective takes real pride in its work, they've come back to us again and again. We know our niche and our customers appreciate it."

Rob Harris, President

The Underground Detective
Direct (513) 693-4639
robh@ugdet.com

Read Rob's Underground Detective blog:
<http://www.undergrounddetective.com/blog/>



The Underground Detective

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David J. Ruckman, PLS and David R. Blankenkemper, PLS

Buffalo Trace-Wilderness Road Surveyors Rendezvous

This weekend, October 13-15, the Initial Point Chapter of the Indiana Society of Professional Land Surveyors will host a Surveyors Rendezvous at the site of the George Rogers Clark Cabin, Clarksville, Indiana. The cabin is where General Clark spent part of his life after the Revolutionary War. Clarksville, being the first settlement of the northwest Territory, is also the location where Meriwether Lewis and William Clark met to organize their famous exploration of the Western Lands.

"In Honor of Land Surveyors and Ancient Footpath Trails, whereupon the First Human Families 12,000 years past, followed Animal Trails and arrived at the Devonian Age Uplifted Limestone Falls of the Ohio, where at the Middle America Mother Earth Ohio River churns, as it rapidly descends across the fossilized face of this Ancient resting place of fishes and shells, exposing us to Mother Nature's creation of a Natural Stone Bridge, linking Louisville, Kentucky to Clarksville, we LAND SURVEYORS will gather there and promote the ART of Land Boundary Surveying."

David J. Ruckman

The Initial Point Chapter and others such as the esteemed Randy Miller, PLS, embraced the idea of hosting a Rendezvous where interested surveyors could gather to learn and reflect on those days over 200 years ago.

"A Historic Gathering of Land Surveyors is planned at the Buffalo Trace Wilderness Road Crossing of the Ohio River. The Falls of the Ohio creates a link of Ancient Footpath Trails from the Atlantic Ocean up through the Carolina's and Tennessee, crossing into Kentucky at the Daniel Boone Cumberland Gap of the Appalachians Mountains, flowing through the inspiring Bluegrass along Kentucky's Wilderness Road to arrive at The Falls Of the Ohio; thence marching West into and across Indiana, known as the Indiana Buffalo Trace; thence plunging into the shallow rock shoal crossing of the Wabash River at Vincennes, whereat this ANCIENT TRACE becomes the Illinois Buffalo Trace as it tracks across the vast Illini grasslands to St. Louis; thence onto Kansas City whereat the TRACE forks and becomes the Oregon Trail and the Santa Fe Trail. Literally thousands of Surveyors walked or rode this Footpath to their destiny." David J. Ruckman

This family friendly outdoor event starts at noon Friday. Registration will be followed by presentations, which will count for continuing education credits for

Indiana and hopefully most other states. It is hoped that the engineering board will also recognize these for Professional Engineers. The schedule is set up for mostly 50 minute (1 credit hour) sessions with 30 minutes in between for plenty of time to visit the vendor booths, share a meal with family and fellow professionals, wander along the river, kayak or just relax. Sessions end at 5 p.m. Friday but for those interested, primitive overnight camping is available on-site (by pre-registration only), served by port-o-lets only with no running water or electric. Bring your own tent or teepee, chairs, grill, bedding, food and drink.

Saturday sessions start at 9 a.m following the same format as Friday, ending around 5 with the exception of a Polaris observation and session led by the surveyor turned astronomer, Victor H. McCauley, PLS, that evening, a 2 hour CE credit course.

On Sunday, the only agenda item is a Boy Scout merit badge program led by Randy Miller, PLS. The event will close Sunday around noon or as soon thereafter as the Scouts complete their tasks.

"This very festive outdoor event focuses on education and recruiting future land surveyors. All proceeds to benefit the Boys Scouts of America. We, as LAND SURVEYORS, continue to EVOLVE, for it is by Gathering and Sharing that we grow strong. So bring your best story and enlighten and entertain us." David J. Ruckman

Special guest speakers include Milton Denny, Centenarian Robert Vollmer, local legends David J. Ruckman, Randy Miller, Harold Hart, Randy Smith, David Blankenkemper, Victor H. McCauley, and Ben Shinabery on topics such as surveying history, history of the Buffalo Trace, Clark County Surveyor's office and GIS System, Indian Treaty Boundaries, Surveying in the Grants, Surveying from WW2 to present, Tree Identification and Astronomic observations.

All interested fellow surveyors, engineers, family and friends are welcome to attend. We ask that you consider a donation to the Boy Scouts of America when you arrive. The suggested amount is \$50, but no amount is too large or too small. To register, email j.theis@jtleng.com

THIS EVENT IS SPONSORED BY PRECISION PRODUCTS, 1400 HUGH AVE., LOUISVILLE 40213

Kyle Elliott, PLS

Meanderings

And so, my fellow Americans: ask not what your country can do for you – ask what you can do for your county.

John F. Kennedy's Inaugural Address
January 20, 1961

In this famous, often played quote, Kennedy was asking people to "assure a more fruitful life for all mankindⁱ." He was asking people to step forward and volunteer their time and effort to "struggle against the common enemies of man: tyranny, poverty, disease and war itself." Kennedy knew that "if a free society cannot help the many who are poor, it cannot save the few who are rich."

What exactly is volunteering? Social scientists define volunteering as any activity in which time is given freely to benefit another person, group or causeⁱⁱ. That makes sense. However, they also typically distinguish being an active participant in a voluntary association (such as being an active member of KAPS) from volunteering. They reason that the benefits created from voluntary association participation is limited to association members and not the public good. While that distinction may be generally true, it overlooks the benefit some associations provide for the general public. Consider KAPS involvement in raising money for Kentucky Education Television through the Telefund drive. Or, the scholarships for prospective surveyors that the association hands out each year. These things benefit the surveying profession, one of the stated purposes of KAPS, but they also benefit another person, group or cause.

KAPS members and officers volunteer their time for the benefit of persons other than surveyors in further ways too. Many have participated in the past in question writing sessions to generate questions for the Kentucky specific land surveying examination. Examination is one of the required steps to becoming licensed as a land surveyor and licensure is required to protect the public health, safety and welfare (another one of the stated purposes of KAPS). Public protection, as that title implies, benefits more than just surveyors. KAPS members and officers have also volunteered their time in the past to serve on Board of Licensure committees or work groups to assist in the drafting of regulations, and statutory language that again is for the protection of the public. While some would say this form of KAPS member participation is an attempt to keep the status quo or to help ensure turf protection, I have seen firsthand the commitment

commitment of many participants to the ideal of protecting the public. These are forms of volunteering for the benefit of others, even if there is also some benefit to the members of the association or members of the profession.

I know of individual surveyors, surveying businesses and multi-disciplinary firms volunteering their time and expertise for such organizations as Habitat for Humanity, the Christian Appalachian Project, The Nature Conservancy, state and federal government programs and various church groups and civic organizations. As a whole, the surveying community is a very giving people.

So, why do people volunteer? According to some of those same social scientists who narrowly define volunteering, individuals "believe that helping others is good for the donor as well as the recipientⁱⁱⁱ." Volunteering helps an individual with political socialization, it helps to prevent antisocial behavior in teens and young people, it improves both physical and mental health of the donor and it can assist the donor in creating new contacts that may benefit their business and career^{iv}. Volunteering has beneficial effects on the volunteer's subjective well-being^v. In short, both the volunteer and the recipient benefit from the service or time volunteered.

Another reason a person or his or her business may volunteer is for what is currently termed corporate social responsibility (CSR). Essentially CSR "is a commitment to improve community well-being through discretionary business practices and contributions of corporate resources^{vi}." Almost all large corporations with a marketing or public relations arm participate to some extent in CSR, or what some corporations term "cause marketing," in which for-profit revenue is used to subsidize a nonprofit organization. While some cause marketing may be seen, sometimes rightfully so, as a marketing gimmick, a 2017 Unilever survey found that 33 percent of consumers choose to buy from brands they believe are doing social or environmental good. Therefore, while the business or corporation is marketing to people who want to see some good come from a portion of the revenue they provide, someone or some nonprofit in the community is receiving a benefit as well. Revenues may increase, consumers feel good about their purchase, and a nonprofit receives a contribution. That is a win, win, win.

(cont.)

If you want to help others, are yourself feeling down physically or mentally, or if you need to make new personal or potential business contacts, then get out and volunteer your time for a worthy cause in your community. If you want to help KAPS then give some time serving on a KAPS committee, or volunteer to serve in a KAPS leadership role. If you just want to raise the view of surveyors generally then join with some other local surveyors, KAPS Chapter or others, and do something for a good cause. You will help others, help the surveying profession, and may potentially get something back out of it yourself.

Kyle Elliott is a licensed land surveyor employed by the Kentucky Board of Licensure for Professional Engineers and Land Surveyor in Frankfort. He can be reached at kyleelliott@bellsouth.net.

ⁱJohn F. Kennedy, January 20, 1961, Inaugural Address. John F. Kennedy Presidential Library and Museum, <https://www.jfklibrary.org/Asset-Viewer/BqXIEM9F4024ntF17SVAJA.aspx>

ⁱⁱJohn Wilson, 2000, Volunteering, Annual Review of Sociology, Volume 26, pg. 215.

ⁱⁱⁱR. Wuthnow, 1991, Acts of Compassion. Princeton: Princeton University Press.

^{iv}Wilson, 2000:pgs. 231-232.

^vYunhui Huang, 2016, Downward Social Comparison Increases Life Satisfaction. Social Indicators Research Journal, pg. 665.

^{vi}Philip Kotler, Nancy Lee, 2005, Corporate Social Responsibility. Hoboken, N.J., John Wiley & Sons.



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Kentucky State Board of Licensure Calendar of Events 2017

October 12	Committee Meetings	Frankfort, KY
October 13	Board Meeting	Frankfort, KY
October 27	PE, STR Vertical Exams	Louisville, KY
October 28	STR Horizontal Exam	Louisville, KY



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Annual Conference
February 15 -17, 2018

KAPS is a proud affiliate of



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More Details Coming Soon

www.kaps1.com

10 a.m. EDT Saturday, April 8, 2017

Kentucky Engineering Center, 160 Democrat Drive, Frankfort, KY 40601

KAPS Board of Directors

CALL TO ORDER

KAPS 2017 President, Josh Calico, called the April 8, 2017 KAPS Board of Directors Meeting to order.

PROXY VOTES:

A total of three proxies were submitted: Bob Neuhaus assigned his proxy to Tyler Pence on March 20, 2017; Kevin Phillips assigned his proxy to Justin Drury on April 6, 2017; and Timothy Tong assigned his proxy to Josh Calico on April 7, 2017. Jason Graves moved to accept the proxies. Tom Bushelman seconded. Motion carried.

MEMBERS PRESENT: **Josh Calico** – President; **Nick Jerdon** – President Elect / KSPE Liaison / Bluegrass Capital Chapter Chair; **Jason Graves** – Past President; **Greg Barker** – Vice President of External Affairs; **Tom Bushelman** – Director / Secretary / By-Laws & Policy Manual Chair; **Justin Drury** – Director / Treasurer; **Chris Gephart** – Kentucky Board of Licensure Liaison; **John Ledington** – Director; **James Mayo** – Director; **Tyler Pence** – Director; **Michael Ladnier** – Professional Development Chair / Audubon Chapter Chair; **Eric Spurrier** – Falls of the Ohio Chapter Chair; **Robert Smith** – Green River Chapter Chair; **Jon Payne** – Jackson Purchase Chapter Chair; **Dave Blaker** – Northern Kentucky Chapter Chair

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

MEMBERS ABSENT: **Kevin Phillips** – Vice President of Internal Affairs; **Tim Tong** – Director; **Craig Palmer** – NSPS Director; **Steve Lilly** – KAMP Liaison; **Bob Neuhaus** – Barren River Chapter Chair; **Johnny Justice** – Highlands Chapter Chair; **Neil Grande** – Southeast Chapter Chair

PRESIDENTS WELCOME

President Josh Calico welcomed everyone to the meeting. Introductions were made.

ADDITIONS OR REVISIONS TO THE AGENDA

*American Income Life

REVIEW AND APPROVAL OF BOARD MEETING MINUTES

The minutes of the February 15, 2017 Board meeting were reviewed. Jason Graves made a motion to approve. Greg Barker seconded. Motion carried.

The minutes of the February 16, 2017 Board meeting were reviewed. Jason Graves made a motion to approve. Jon Payne seconded. Motion carried.

The minutes of the February 17, 2017 General Membership meeting were reviewed. These minutes will not be approved until the next General Membership Meeting in February, 2018.

KAPS OFFICER REPORTS

President's Report – no report

President Elect's Report – no report

Treasurer's Report – the March 31, 2017 Balance Sheet / Profit & Loss Statement was submitted in the Board Packet as well as the 2016-2017 updated Budget report. James Mayo noted the changes to the budget voted on at the February General Membership meeting have not been accounted for on the budget report. Jon Payne moved to accept the financial statements. Jason Graves seconded. Treasurer's Report accepted.

Administrative Assistant's Report – Molly Forrest submitted a written report. Mrs. Forrest reported the fall seminar disbursement checks were delayed due to a deficit on the Audubon Chapter's seminar. This particular seminar was not well attended but expenses were high due to hosting a national speaker. Mrs. Forrest needed the board's directive on whether the Audubon Chapter would have to account for the loss or if KAPS would take the loss. Chris Gephart made a motion for KAPS to take the loss on the seminar. Jason Graves seconded. Motion carried.

OLD BUSINESS

Marco Rajkovich's Online Courses – Jon Payne is working on the class. President Calico will contact Tom Clayborn.

KAMP / KAPS MOA Proposal – Jason Graves will contact Steve Lilly.

State Board Reorganization – President Calico indicated reorganization was eminent but specifics are unknown.

KET Telefund Update – President Calico reported KAPS donated \$1,200.00 this year to the Telefund. This level of sponsorship provided University of Kentucky football passes that will be used to raise funds for the KAPS Scholarship Fund at the Annual Golf Outing. The KAPS Telefund Team of 11 folks raised \$20,414.00 including \$2,671.00 from the team's contacts.

(cont.)

KAPS Investment Policy Update – President Calico reported the required paperwork was on its way to Kentucky Trust. The funds are currently in an escrow account at Kentucky Trust.

Office Space Investment Update – Jason Graves reported the appraisal had not yet been done. He will follow-up with the appraiser, Randy Birdwhistell.

Surveying Program at Cincinnati State – Tom Bushelman reported he is waiting on word from the Ohio legislation.

Kentucky State Fair – (August 17-17, 2017) Jason Graves stated there was nothing new to report. He will start a sign-up sheet.

NEW BUSINESS

Next KAPS Board Meeting –Friday, June 30, 2017, 6:00 p.m. EDT at the Embassy Suites, 1801 Newtown Pike, Lexington, KY 40511

Administrative Assistant, Molly Forrest's Annual Evaluation – President Calico reported the Board's decision to increase Molly Forrest's pay by 6%. It was also decided to give her two additional paid vacation days. Mrs. Forrest expressed her appreciation to the Board.

Boy Scout Jamboree – a letter from NSPS requesting donations was included in the board packet. Greg Barker made a motion to give \$200.00 for the event. Chris Gephart seconded. Motion carried. It was decided individual chapters could decide if they wanted to do more.

Kentucky Construction Career Days – (September 19 & 20, 2017) Jason Graves gave a description of the event and said he would circulate a sign-up sheet. Following discussion, it was decided to form a Career Day Committee to brainstorm ideas on making a bigger impact at the event. The committee consists of Nick Jerdon (Chair), Eric Spurrier, Justin Drury, and Tyler Pence. The board also thought a 10x10 pop-up tent would be a good addition to the KAPS booth.

***American Income Life** – President Calico brought information he had received from this company offering life insurance to KAPS members. Following discussion and a brief internet search, Tom Bushelman made a motion to deny participation with this company. Nick Jerdon seconded. Motion carried.

EX-OFFICIO DIRECTORS REPORTS

KAMP Liaison – submitted written report

KY State Board of Licensure Liaison – no written report; Chris Gephart asked if someone could take his place at the upcoming Board of Licensure meeting on Friday, April 14. President Calico and Nick Jerdon

expressed interest in attending. Mr. Gephart also mentioned drone legislation should be on Government Strategies radar.

Professional Development Chair – no report; Mike Ladnier encouraged the chapters to be working on the fall seminars.

CHAPTER REPORTS

Audubon – no written report; Mike Ladnier reported the chapter is working on a fall seminar.

Falls of the Ohio – no written report; Eric Spurrier mentioned the chapter will host small business advocate, Patricia Krausman at an upcoming meeting in Shepherdsville.

Green River – no written report; Bob Smith reported the chapter plans to meet this week.

Northern Kentucky – no written report; Dave Blaker reported the chapter will be meeting next week. Their chapter plans to host a fall seminar.

COMMITTEE REPORTS

Annual Golf Outing and Picnic – President Calico reported the golf outing would be June 30th at Marriott Griffin Gate and the picnic would be held on July 1st at the home of Kevin Phillips.

County Surveyors – no report; Bob Smith said he would check with Richard Montgomery about his interest in continuing in this chair position.

Legislative – no report; Greg Barker accepted the chair position.

Membership – Jon Payne submitted a sample of a brochure KAPS could use to promote the association.

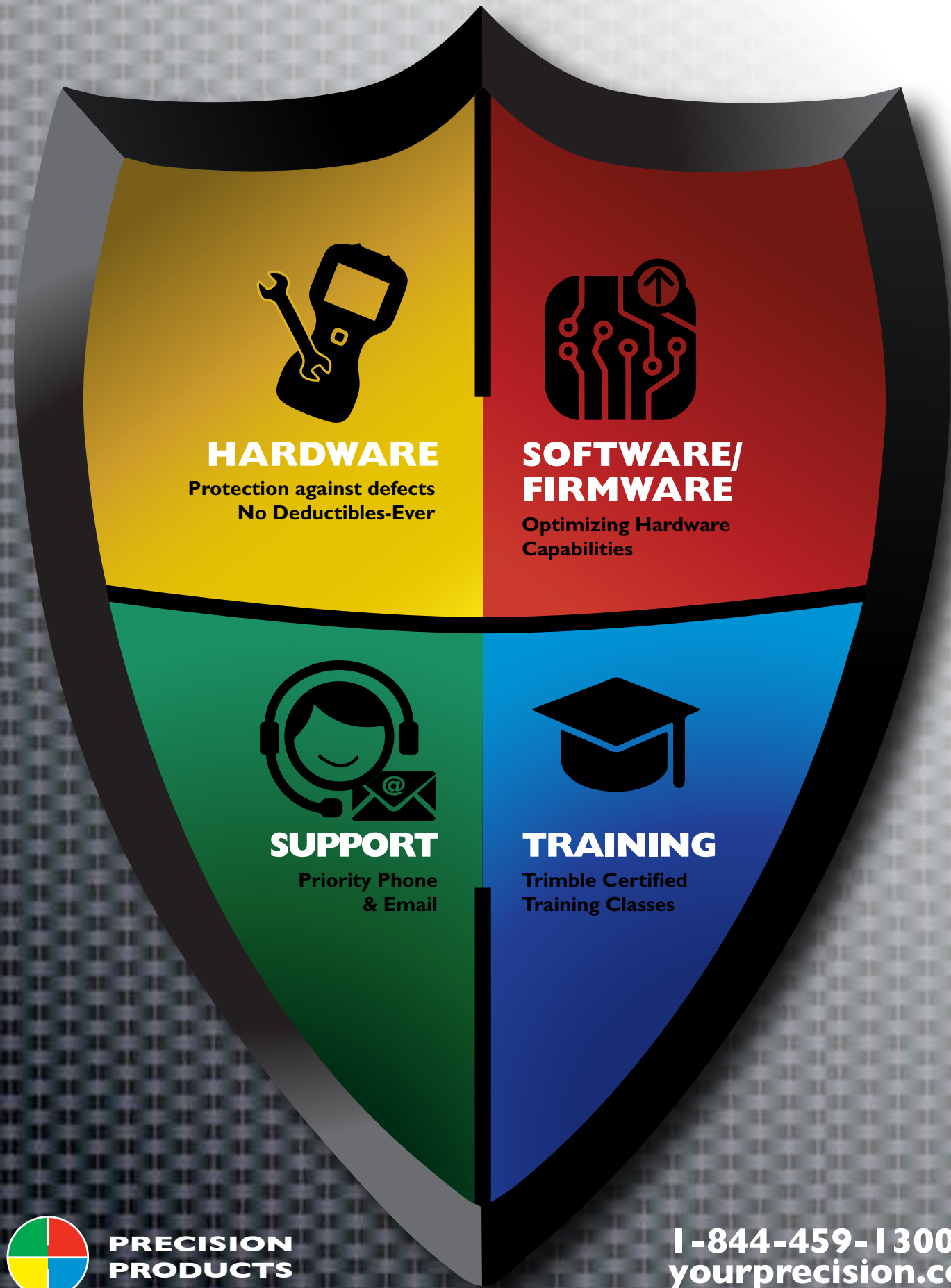
SPECIAL COMMITTEE REPORT

Continuing Education Hours – Nick Jerdon mentioned he needs to meet with Rachel at Government Strategies as well as Chris Gephart, Don Pedigo, Bob Fentress, and Bill Bowie. He needs to gauge the Board of Licensure's support.

ADJOURNMENT

Jason Graves made a motion to adjourn. Greg Barker seconded. Motion carried. Meeting adjourned.

Respectfully submitted by
Molly M. Forrest for Tom Bushelman, PLS, Secretary
Edited for content by Doug Comer



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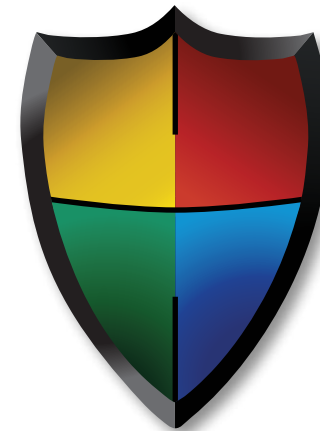
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6 p.m. EDT Friday, June 30, 2017

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KAPS Board of Directors

CALL TO ORDER

KAPS 2017 President, Josh Calico, called the April 8, 2017 KAPS Board of Directors Meeting to order.

PROXY VOTES:

A total of two proxies were submitted: Mike Ladnier assigned his proxy to Jon Payne on June 26, 2017 and Chris Gephart assigned his proxy to Tom Bushelman on June 27, 2017. Jason Graves moved to accept the proxies. Tom Bushelman seconded. Motion carried.

MEMBERS PRESENT: Josh Calico – President; Jason Graves – Past President; Greg Barker – Vice President of External Affairs; Kevin Phillips – Vice President of Internal Affairs; Tom Bushelman – Director / Secretary / By-Laws & Policy Manual Chair; Justin Drury – Director / Treasurer; John Ledington – Director; James Mayo – Director; Tim Tong – Director; Robert Smith – Green River Chapter Chair; Jon Payne – Jackson Purchase Chapter Chair; Dave Blaker – Northern Kentucky Chapter Chair

STAFF PRESENT: Molly Forrest – Administrative Assistant

MEMBERS ABSENT: Nick Jerdon – President Elect / KSPE Liaison / Bluegrass Capital Chapter Chair; Tyler Pence – Director; Craig Palmer – NSPS Director; Chris Gephart – Kentucky Board of Licensure Liaison; Steve Lilly – KAMP Liaison; Michael Ladnier – Professional Development Chair / Audubon Chapter Chair; Bob Neuhaus – Barren River Chapter Chair; Eric Spurrier – Falls of the Ohio Chapter Chair; Johnny Justice – Highlands Chapter Chair; Neil Grande – Southeast Chapter Chair

PRESIDENTS WELCOME

President Josh Calico welcomed everyone to the meeting. Introductions were made.

ADDITIONS OR REVISIONS TO THE AGENDA

No additions or revisions.

REVIEW AND APPROVAL OF BOARD MEETING MINUTES

The minutes of the April 8, 2017 Board meeting were reviewed. Jason Graves made a motion to approve. Jon Payne seconded. Motion carried.

KAPS OFFICER REPORTS

President's Report – President Calico submitted a copy of his letter to the Secretary of the Public Protection Cabinet, David Dickerson as well as Secretary Dickerson's response.

In part, President Calico's letter regarding licensure board reorganization stated: "KAPS would like to request that you consider separating land surveyors and engineers and give each occupation their own five-member board of licensure."

Secretary Dickerson's response stated, in part: "...I recognize that a board of more than five members may be required to adequately address the needs of each profession. Therefore, the board will continue to operate with the same number of members."

President Calico also reported the Secretary will have final say on disciplinary actions. In addition, the Attorney General has filed suit against the Governor regarding the reorganization of licensure boards.

In regards to other business, President Calico reported six teams participated in the KAPS Annual Golf Outing. The intention had been to auction off the UK Football Parking Passes at the golf event; however, it was decided attendance was too low for a successful auction.

President Elect's Report – no report

Treasurer's Report – the May 31, 2017 Balance Sheet / Profit & Loss Statement was submitted in the Board Packet as well as the 2016-2017 updated Budget report. Jason Graves moved to accept the financial statements. Tom Bushelman seconded. Treasurer's Report accepted. It was noted that the paperwork for the transfer of investment funds from Morgan Stanley to Kentucky Trust be signed immediately following the Board meeting.

Administrative Assistant's Report – Molly Forrest submitted a written report. Mrs. Forrest reported the website work was still in progress. Also, the chapter dues checks would be delayed due to low funds. As soon as the investment funds are transferred, the General Fund can be replenished and the chapter checks will be mailed out. She also reminded the chapters to submit their fall seminar requests and course information as soon as possible.

OLD BUSINESS

Marco Rajkovich's Online Courses – Jon Payne is working on the class.

KAMP / KAPS MOA Proposal – Jason Graves will contact Steve Lilly.

(cont.)

State Board Reorganization – President Calico addressed this issue in his report.

KAPS Investment Policy Update – The Kentucky Trust documents will be signed immediately following the Board meeting.

Office Space Investment Update – Jason Graves reported the appraisal was completed. No inspection has been done. Greg Barker recommended letting the opportunity go.

Surveying Program at Cincinnati State – Tom Bushelman had spoken with George Armstrong from Cincinnati State that the legislation had passed the Ohio State Senate and is waiting to be signed by the Governor and Chancellor.

Kentucky State Fair – (August 17-17, 2017) Jason Graves reported KAPS will not be participating in the fair this year due to low volunteer participation.

Kentucky Construction Career Days – (September 19 & 20, 2017) Eric Spurrier is excited to lead KAPS in this event.

NEW BUSINESS

Next KAPS Board Meeting –Saturday, September 9, 2017, 10:00 a.m. EDT at the Kentucky Engineering Center, 160 Democrat Drive, Frankfort, KY 40601

Certified Floodplain Surveyor Training – (August 29 - 31, 2017 in Raleigh, NC) Curt Sumner, Executive Director of the National Society of Professional Surveyors notified KAPS of this opportunity. Tim Tong volunteered to participate.

EX-OFFICIO DIRECTORS REPORTS

GIAC Liaison – via submitted report, Andy Kellie stated “at least three challenges in the surveying and GIS area currently confront the Commonwealth:”

1. “...submission of legislation to align the Kentucky State Plan Coordinate System with the new horizontal datum and the new vertical datum being developed by the National Geodetic Survey (NGS). Lack of a common coordinate system would hamper transfer of geographic data between state agencies and between state agencies and the private sector.”
2. “...involves data quality arising from remote data acquisition as, for example, from drones. The Commonwealth’s interest is that data acquired under state contract be geometrically and positionally correct with as-yet-to-be-specified standards. The interest of the surveying profession is knowing and having input into the as-yet-to-be-specified standards.”
3. “...development of the Geospatial Strategic Plan pending at the time the last GIAC meeting adjourned. The interest of the surveying profession in this area is in avoiding development of disparate

or poorly coordinated geographic information systems. Such will potentially pose difficulty in submitting and retrieving data basic to the operation of surveying businesses and necessary to protect the interest of the surveyor’s clients.”

CHAPTER REPORTS

Falls of the Ohio – no written report; Jason Graves reported the chapter has regular meetings and will be pushing Construction Career Days.

Green River – no written report; Bob Smith reported the chapter has regular meetings.

Northern Kentucky – no written report; Dave Blaker reported the chapter has regular meetings although they did take a summer break until September.

Purchase – no written report; Jon Payne reported the chapter has lined up a fall seminar but their chapter meeting attendance has declined.

Southeast – no written report; John Ledington reported the chapter has not been meeting.

COMMITTEE REPORTS

Annual Conference – no report; Jon Payne volunteered to serve on the Conference Committee. The committee needs to meet with Louisville Tourism to set up the 2019 conference venue. It was recommended to also look into any possible savings if an extended year contract was agreed upon. Kevin Phillips repeated his suggestion to move the conference to fall.

Annual Golf Outing and Picnic – President Calico reported on the golf outing during his President’s Report. He also suggested a Golf Outing Committee be established. Bob Smith volunteered to serve on the Golf Outing Committee. Tom Bushelman said he would talk to Tim Ryan about serving as well since he has had experience in these types of events. President Calico further noted the cancellation of the picnic due to low attendance.

Finance – It was discussed that the Executive Committee could move the needed funds once Kentucky Trust had the investment funds in their possession.

ADJOURNMENT

Tom Bushelman made a motion to adjourn. Jason Graves seconded. Motion carried. Meeting adjourned.

Respectfully submitted by
Molly M. Forrest for Tom Bushelman, PLS, Secretary
Edited for content by the soon-to-be-retired Editor, Doug Comer



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BUSINESS NAME & ADDRESS _____

CITY _____ STATE _____ ZIP _____

DO YOU PREFER: EMAIL USPS / IF USPS, DO YOU PREFER: RESIDENCE BUSINESS

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

- FULL MEMBER \$ 195.00
- LIFETIME FULL \$3,900.00
- FIRST LICENSED YEAR \$ 0.00
- ASSOCIATE MEMBER \$ 97.50
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“FULL” AND “LIFETIME FULL” KAPS MEMBERS WILL AUTOMATICALLY BE MEMBERS OF NSPS (National Society of Professional Surveyors).

***Descriptions taken from the KAPS By-Laws / Article III / Section 2 Classifications and Qualifications**

FULL MEMBER: Full Membership shall be granted, upon application to the Board, to any person licensed to practice land surveying in the Commonwealth of Kentucky. Except as otherwise hereinafter provided, such membership shall continue, as long as the person’s rights to practice land surveying is maintained. A Full Member shall enjoy all rights and privileges of membership in KAPS.

- **LIFETIME FULL MEMBER:** Lifetime Full Membership shall be granted upon conditions listed above with one lump sum payment equal to 20 years of the current Full Member dues rate.
- **FIRST LICENSED YEAR:** KAPS offers Full Membership free of charge to newly licensed individuals.

ASSOCIATE MEMBER: Any person who is non-licensed but has an interest in land surveying shall be eligible for Associate Membership in KAPS. Associate Membership shall be granted upon recommendation by a Full Member and application to the Board. An Associate Member shall have all rights of Full Membership except the rights to vote and hold office.

CORPORATE MEMBER: Any firm or organization engaged in the practice of land surveying shall be eligible for Corporate Membership provided that either a principal of the firm or a person in responsible management position of surveying for the firm is a Full Member of KAPS. Corporate Membership shall be granted upon application to and majority approval by the Board. Corporate Members shall only have such rights or privileges as may hereinafter be provided or which may be accorded at the discretion of the Board. Corporate Members may enroll full-time employees as KAPS members under the appropriate category at a 20% discount from the full price.

BUSINESS MEMBER: Any firm or organization who is non-licensed but has an interest in land surveying shall be eligible for Business Membership in KAPS. Business Membership shall be granted upon recommendation by a Full Member and application to the Board. A Business Member shall only have such rights or privileges as may hereinafter be provided or which may be accorded at the discretion of the Board. Business Members may enroll full-time employees as KAPS members under the appropriate category at a 20% discount from the full price.

STUDENT MEMBER: Any full-time student with an interest in the profession of land surveying shall be eligible for Student Membership. Membership shall be granted upon application and approval of the Board of Directors. Student Members shall have all rights of membership except the rights to vote and hold office, except within a Student Chapter.

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

FOR KAPS OFFICE USE ONLY:

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