

Fall Seminar Schedule

THE

INTERIOR ANGLE

Kentucky Association of Professional Surveyors

Summer 2016, Issue 3

Smithsonian American Art Museum collection



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Publisher

Diane Comer
DianeComerKAPS@gmail.com

Editor

Doug Comer, PLS, PE
ComerPEPLS@gmail.com

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KAPS Office Staff

Molly Forrest, Administrative Assistant
124 Walnut Street
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On the Cover:

Surveyors, 1934, painting by Joseph Meert
Born: Brussels, Belgium 1905
Died: Waterbury, Connecticut 1989
Tempera on fiberboard
60 1/8 x 48 in. (152.6 x 122.0 cm.)
Smithsonian American Art Museum

Jason Graves, PLS

2016 KAPS President

502-419-8136 - jasongraveslandsurveying@gmail.com



From the President's Desk

I trust that everyone has had an enjoyable, albeit wet, summer. I am hopeful that you all had a productive and profitable summer as well. The kids, grandkids, nieces and nephews are heading back to school and we will all just keep chipping away at the job list to attempt to catch up.

The fall seminar schedule is included in this issue. We have quite a few very interesting classes planned so please take time to review the offerings and sign up for the classes that are of interest to you. Remember you are only required to obtain eight hours yearly, there is nothing telling you that you can't take more. Over the next few months there should be some changes coming to the KAPS website (www.kaps1.com), so please keep an eye out for that and if you haven't please visit the site and browse around.

The conference committee has had regular meetings and planning for the 2017 conference is well under way. It is shaping up to be a great conference. We have some really good speakers/instructors planned for all of you. The location is very nice and I believe that it will be a fun and very well attended conference. Thank you to the conference committee for your efforts in planning this.

The golf outing and picnic this year were great. Thanks to everyone who helped make it a success. For those that do not know, the funds raised by the golf outing are the primary funds used to put money towards the yearly scholarships that KAPS gives out. So when the time comes around next year remember that the money you will use to purchase a hole sponsorship sign will go directly towards funding a student's education. The picnic had lovely weather this year and the people in attendance all had a good time and ate superb food. I do know that it would be nice to see more faces at the picnic.

everyone that has staffed the booth. I know that it takes a lot of time out of one's day to get to Louisville to make this happen, but it is necessary. I believe that having a booth at the fair is a good recruitment tool as well as a nice way to reach the general public to inform them what it is that land surveyors do. We have Precision Products lending KAPS a robotic total station that intrigues kids as well as adults. It serves as a good attraction for our booth. Next year when the time comes around please consider lending KAPS your time and volunteer to staff the booth for a six-hour session.

I believe that we all, as land surveyors and KAPS members, need to do more to bring young people to your chapter meetings and to get them involved with KAPS. We also need to do a better job at bringing youth into our profession. I do not necessarily know the best way to go about this but I think it is going to need to be a very hands on approach by all of us. Start by bringing your staff to KAPS meetings, pay for their membership to KAPS, and encourage them to sign up for classes and to go further in the profession. We need more people, in KAPS and in our profession.

I am not much of a writer but I do like to meet people so if you would like for me to come to a chapter meeting, please feel free to email me. Contact me if there is something that you feel needs to be discussed or something you think that KAPS could be doing to help our profession. Please continue to have a great fall and I hope that you all enjoy a class at our fall seminars.

Humbly Yours,

Jason Graves, PLS

2016 KAPS President

502-419-8136

jasongraveslandsurveying@gmail.com

We are midway through the fair as I write this and so far I believe it has been enjoyable for

Getting to Know... Molly Forrest

What is your favorite thing about working for KAPS?

I have been the Administrative Assistant for KAPS since March 2011. Although there are several things that make my job enjoyable, two things actually rise to the top of the list.

First would be the great people I've met. Most are kind, patient, and all around nice folks. Enjoying the people you work for and with is important to me.

Second is the flexibility the job offers me and my family. I also home school my 12-year-old daughter, Belle, so being able to adjust my hours and work at the office or at home makes this position work for my family. Of course, getting to have Belle and Steve so actively involved with KAPS makes for a very happy employee, wife, mom and teacher.

How does this job differ from those you have held in the past?

Again, probably the flexibility my job allows. I think many surveyors can relate to setting their own schedule since so many are either self-employed or work alone. Being able to work around Belle's schoolwork and field trips is extremely helpful. Conference season is typically the only exception to my part-time schedule.

What is your proudest professional accomplishment?

Looking back, I can see how each job I've held has taught me valuable lessons and added to my experience. When I worked for Farmers Bank in Frankfort, I was able to serve on a Leadership Development Board bridging the gap between upper management and employees.

Next, I worked for a ministry to women in unplanned pregnancy situations. I worked the hotline and trained volunteers to do the same. That job greatly stretched my ability to speak in front of people, organize events, and give grace beyond my human abilities.

My first part-time position was as a Ministry Assistant at a local church. I learned to work



independently and multi-task. Knowing people were depending on me at work and trying to figure out how to be a mom was challenging at times. I was fortunate then as now for patience on the part of my co-workers and bosses.

Unfortunately, I was out of work for about a year due to downsizing. Why would I mention this experience as part of my professional development? Well, I learned during that year that God is faithful and will take care of me and my family. I also learned patience and was able to get my footing when our journey into home schooling began.

All of this is to say, my proudest professional accomplishment is being able to learn and grow throughout my career—not to take any of it for granted. I've worked with kind people and I've worked with difficult people. I've known what it was like to dread going to work and to be excited to go to work. I've even experienced what it's like to not have a paycheck. Each opportunity has grown me as a person and for that, I'm thankful.

When all is said and done, I would hope my greatest accomplishment would be raising a daughter that is kind, compassionate, hard-working and generous. That's the goal anyway.

What is a major goal you have for the KAPS organization that you are working to make happen?

Assisting the KAPS Board to move the association forward is my primary objective. I strive to make myself available to the Chapter and Committee Chairs and aide them in whatever task they need to complete.

How do you spend your time when not on the job?

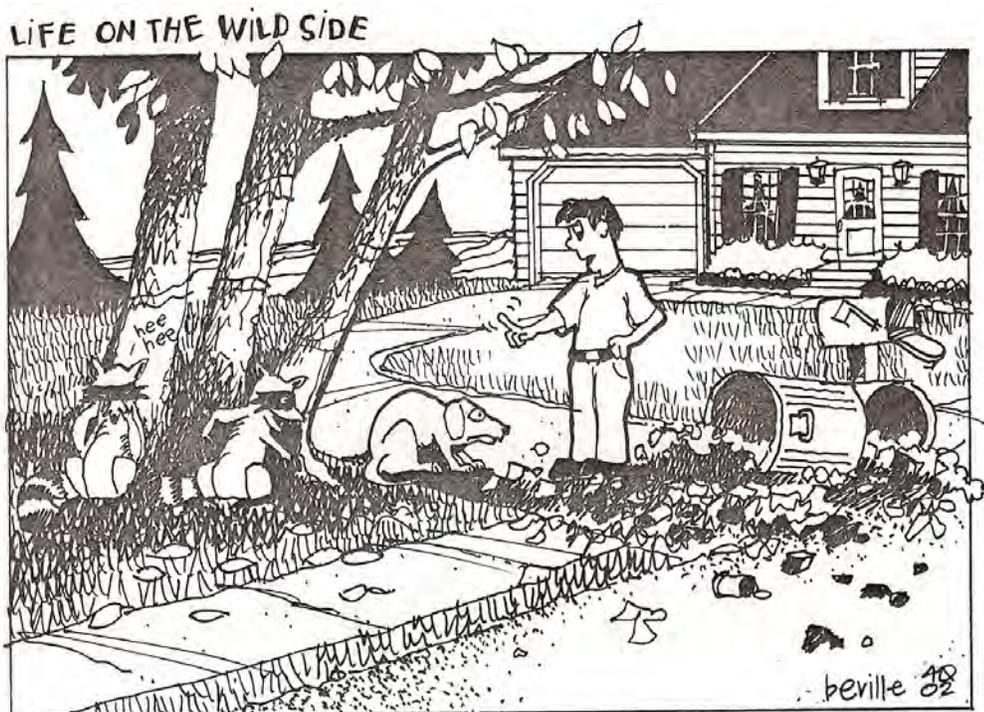
Most of my time outside the office is spent with family and friends. My parents and two sisters live nearby so we get together often. We don't necessarily have to be doing anything to have fun. We just enjoy each other's company. When

my brother and his family come in from Phoenix the rest of life is put on hold as much as possible so we can soak up all the time we can with them.

We are actively involved in our church and love serving with our friends in and around Frankfort. Singing has long been a part of my free time and I enjoy being a part of our praise team rotation.

Tell something about yourself that the KAPS members may not know.

I sang in a Southern Gospel group called Willing Heart for about eight years and then spent several years with a Christian band called The Josh Martin Band. I've gotten to record a couple of times. Good times!



Yet another innocent victim falls prey to the notorious Raccoon Clan...

Life on the Wild Side is a regular feature of *The Interior Angle*. Graciously submitted by Mark A. Beville, AIA. Reprinted with permission.

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The Board Report

Board Members

Don Pedigo, PLS was elected Secretary/Treasurer of the Board; replacing Linda Bridwell, PE. Congratulations to Don.

City Annexations

(The following article was prepared by our Board Investigator, Kyle Elliott, PLS)

With the upcoming 2020 Decennial Census, by the U.S. Census Bureau, the Kentucky Secretary of State's Land Office goal is to have all of the older Kentucky City annexations, and/or resolutions, filed and mapped before December 1, 2019. Having those annexations mapped and added to city boundaries will ensure the U.S. Census Bureau has the latest available correct data when they download interactive maps from the Commonwealth of Kentucky. Accurate mapping of city boundaries assists in the determination of how billions of dollars in federal funding are divided up among local communities.

In Kentucky, only a licensed professional land surveyor can prepare an annexation map and description. Kentucky Revised Statute (KRS) Chapter 81A describes the requirements of local governments when they chose to enlarge or reduce their existing boundaries, and specifically KRS 81A.470 details the map and description requirements for land surveyors. One of those requirements is for the surveyor to "*clearly state on the documents the location of the existing municipal boundary.*" An earlier section in the chapter (81A.410) requires that areas to be added to a city's boundaries must be "*adjacent or contiguous to the city's boundaries at the time the annexation proceeding is begun.*"

The Land Office is requesting Kentucky surveyors' assistance in helping cities ensure their proposed annexation areas are adjacent or contiguous to the existing city's boundaries when the surveyor is hired to prepare annexation maps and descriptions. Existing city boundaries can be

viewed through the Secretary of State's website at <http://goo.gl/dRDuHe>. Surveyors should understand there might be conflicts between the maps as viewed at the above portal, the city's own city map, and the city's ordinances because of mapping errors, improper filings or filings never made to the Secretary of State's office. Gaps between existing and proposed city boundaries should be addressed with local officials and the Secretary of State's Land Office prior to the beginning of new annexation proceedings. Kandie Adkinson, of the Land Office, a person long known to surveyors for her knowledge of and assistance with obtaining copies old Kentucky land patents, is available to surveyors and city officials who have questions about the annexation process. Kandie can be reached at (502) 564-3490, or by email at kandie.adkinson@ky.gov.

When preparing city annexation maps, and descriptions, it is not required of surveyors to perform a "boundary survey" as defined in the Standards of Practice (201 KAR 18:150), unless in the opinion of the licensed professional a boundary survey is necessary to protect the public, or if the city client prefers a boundary survey. In such cases the requirements of Sections 1 – 12 of the Standards of Practice should be met. When it is determined by the professional land surveyor that a boundary survey is not required, then Section 13, "Non-Boundary Survey Work", of 201 KAR 18:150 should be met. In these cases the professional land surveyor has wide latitude in determining which tools he or she uses and what accuracy and precision he or she achieves. The Standards of Practice are available at the Board of Licensure's website at <http://goo.gl/QW4H9h>

Continuing Education Tracking System

The link to the free tracking system is now available on our website at <http://goo.gl/RDW9ZG>. Please take advantage of this free service where you can track your hours; download attendance

certificates; transmit electronically if audited; and use for any state or states you choose.

Seals/Stamps

Please check your seal/stamp to be sure you are not using an old one with “registered” instead of “licensed”. This change was made in 1998 but state agencies are still receiving documents with the old seal/stamp. Please destroy your old ones so there is no confusion!

Exam Results

The PE and PS exam results from April and the FE and FS for the first quarter are as follows. The first % is Kentucky and the second % is the national average:

PE First Time Takers – 63%; 69%
PE Repeaters – 54%; 36%
PE Total – 60%; 57%

PS First Time Takers – 40%; 72%
PS Repeaters 67%; 38%
PS Total – 50%; 61%

FE First Time Takers – 71%; 73%
FE Repeaters – 38%; 33%
FE Total – 65%; 66%

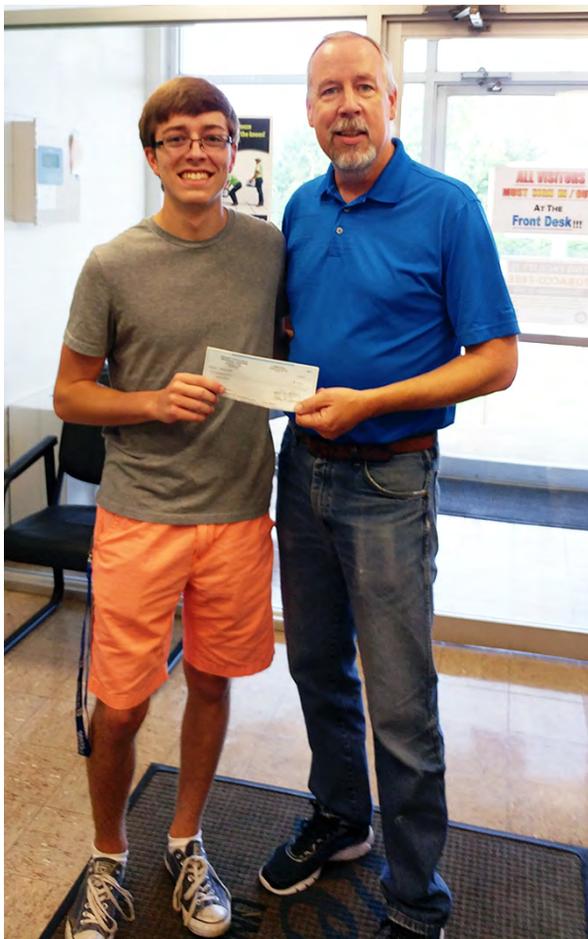
FS First Time Takers – 75%; 43%
FS Repeaters – 0%; 26%
FS Total – 75%; 38%

Upcoming PE Exam Changes

The PE Mechanical Engineering exam will be changing in April 2017. It will no longer be a “breadth and depth” exam. It will become three distinct, separate exams:

PE Mechanical – HVAC and REFRIGERATION
PE Mechanical – MACHINE DESIGN and MATERIALS
PE Mechanical – THERMAL and FLUID SYSTEMS

The PE Chemical Engineering exam will be administered in the pencil-and-paper format for the last time in April 2017. The exam will be converted to a computer-based test after that, with the first appointments available in January 2018.



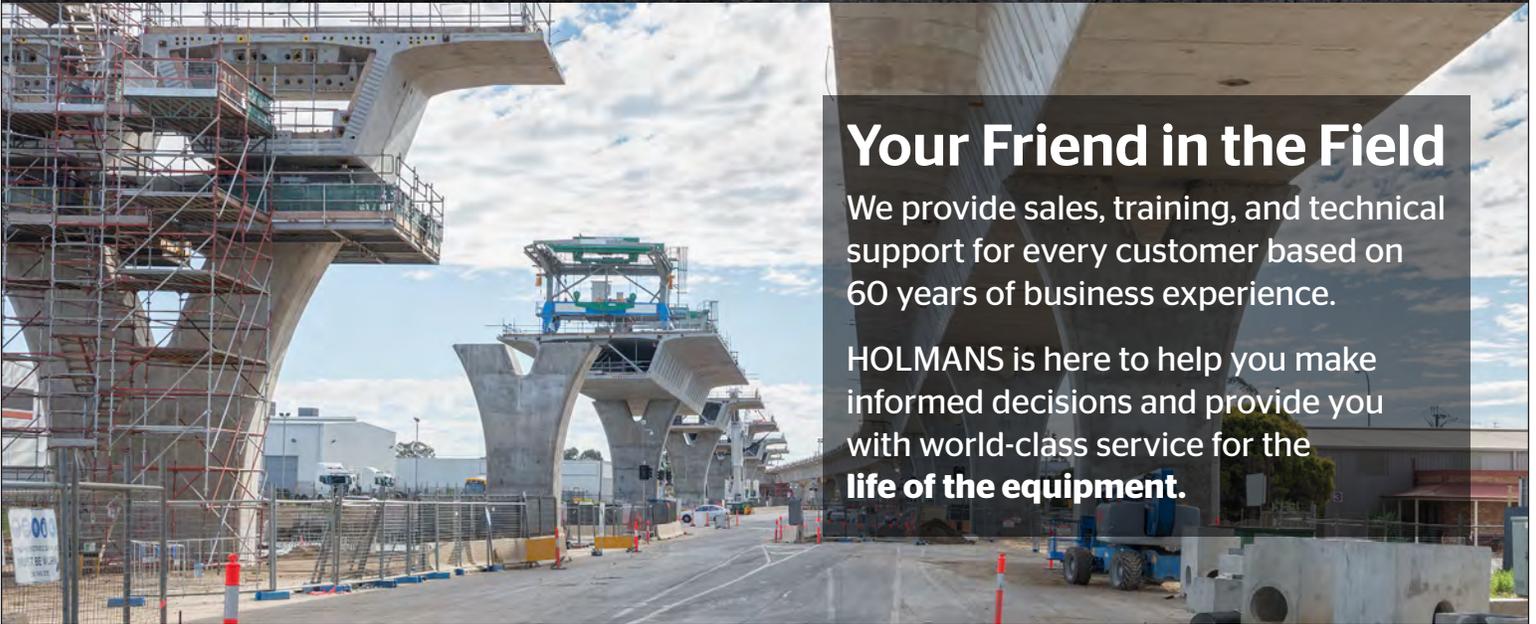
The 2016 Kentucky Tri Star Winner is Walter “Wally” Johnson, shown here receiving his \$500 check from Brian R. Cox, PLS, Trig Star Chairman. Wally is a two-time winner of the Kentucky Trig Star competition; he finished sixth in the nation last year, and 26th this year.

Two schools took the test this year, Newport Central Catholic and Ryle High School.

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Kyle Elliott, PLS

Meanderings

KRS 81A.410 allow(s) a city to annex territory that is either nearby, e.g., perhaps separated by a roadway or river, or touching the boundary of the city.ⁱ

Chief Justice John D. Minton, Jr.
Supreme Court of Kentucky

The phrase the court is interpreting in the quote above is one of the conditions, in a two-part requirement, which allows a city to extend its boundaries. The exact language from the statute is, “a city legislative body may extend the city’s boundaries to any area: which is adjacent or contiguous to the city’s boundaries at the time the annexation proceeding is begun; and...”ⁱⁱ

In analyzing the words used by the General Assembly, “adjacent or contiguous,” the court explained that those words are clear and unambiguous. According to the common meaning of the words, adjacent means “not distant or far off” or “nearby but not touching,” while contiguous means “touching along boundaries often for considerable distances.” The words mean two different things. Contiguous requires touching; while adjacent may include touching, but does not require it. The court went on to write, “if adjacent was essentially the same word as contiguous in the context of KRS 81A.410, adjacent would be rendered a mere redundancy.”

In an attempt to limit adjacent to only nearby, the court also wrote, “neither our reading of adjacent nor the policy underlying annexation allows for a city to pick property miles away from the current city boundary and claim it constitutes ‘nearby’.”

So what does this mean for the Kentucky surveyor preparing an annexation map and description? The requirements of the surveyor are to show where the proposed annexation is contiguous with the existing city boundary. If it is not contiguous, then “clearly state on the documents (map and description) the location of the existing municipal boundary.”ⁱⁱⁱ KRS 81A.470 has more requirements for the map and description and requires their preparation by a professional land surveyor.

A surveyor recently asked me if it is required to show a dimensional tie (by bearing and distance) from the proposed annexation to the existing municipal boundary. There is nothing in the statute that requires such a tie; however, there is nothing that prohibits it either. Imagine if you were the person tasked with adding a newly annexed parcel to the Kentucky Incorporated Cities Interactive Map, maintained by the Kentucky Geography Network (accessible through the Secretary of State’s website at <http://goo.gl/wmFCk6>). A dimensional tie could be extremely helpful, maybe even essential, adding the annexed parcel to the GIS map. A dimensional tie would also be quite advantageous to the courts if an annexation is challenged for legal reasons. The tie would allow a judge, or judges, to readily see if the proposed annexation is nearby, i.e. somewhere between “separated by a roadway” up to “miles away.”

The Land Office within the Secretary of State’s office has a Final Checklist available on their website to assist city officials and surveyors with the annexation requirements and processes. They also have a Frequently Asked Questions section that should answer some of the more common questions surveyors and city officials have. If a surveyor needs additional assistance, please contact Kandie Adkinson in Land Office at 502-564-3490, kandie.adkinson@ky.gov, or through the Land Office contact form at <http://goo.gl/VIRtCI>. Kandie Adkinson is currently working on a revised Final Checklist for the submissions of annexation filings.

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.

ⁱChief Justice Minton, Supreme Court of Kentucky, March 20, 2014. City of Lebanon, KY v. Goodin, et al. 436 S.W.3d 505.

ⁱⁱKRS 81A.410. Created 1980, amended 1984 and 2002. <http://goo.gl/bUpk1f>

ⁱⁱⁱKRS 81A.470. Created 1980, amended 1984, 1992, 1998, 2004, 2007, 2010 and 2011. <http://goo.gl/QE4wd6>



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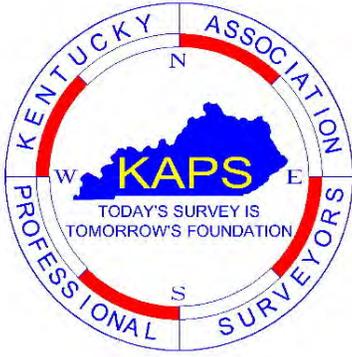


KAPS 2016 FALL SEMINAR SCHEDULE

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*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	MEMBER	NON-MEMBER	LOCATION
Saturday, September 10	<i>Standards of Practice, Ethics, & Code of Conduct</i> Course # 15-07-033	Chris Gephart, PLS	4 PDH	8 A.M. – 12 P.M.	\$85	\$85	Kentucky Dam Village 166 Upper Village Drive Gilbertsville, KY 42044
Saturday, September 10	<i>Degrees of Latitude, Shades of Attitude: the Virginia & Kentucky Land System</i> Course # 16-07-036	Andrew C. Kellie, PLS	4 PDH	1 P.M. – 5 P.M.	\$100	\$200	Kentucky Dam Village 166 Upper Village Drive Gilbertsville, KY 42044
Friday, October 21	<i>Standards of Practice, Ethics, & Code of Conduct</i> Course # 15-07-033	Chris Gephart, PLS	4 PDH	8 A.M. – 12 P.M.	\$85	\$85	Bernheim Forest / Garden Pavilion Hwy 245 / Clermont Road Clermont, KY 40110
Friday, October 21	<i>GNSS Surveying & Processing</i> Course # pending approval	Jeff Clark, PLS	4 PDH	1 P.M. – 5 P.M.	\$100	\$200	Bernheim Forest / Garden Pavilion Hwy 245 / Clermont Road Clermont, KY 40110
Saturday, October 29	<i>The Measuring of America</i> Course # pending approval	Mike & Ann Besch	8 PDH	8 A.M. – 5 P.M.	\$185	\$285	Planning & Development / Kenton Co. 2332 Royal Drive Ft. Mitchell, KY 41017
Friday, November 4	<i>GNSS Surveying & Processing</i> Course # pending approval <i>Taking Advantage of OPUS – Network RTK vs RTK Networks</i> Course # pending approval	Jeff Clark, PLS Jeff Clark, 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	Holiday Inn University Plaza 1021 Wilkinson Trace Bowling Green, KY 42103
Saturday, November 5	<i>KRS.322 / MTS / Code of Conduct</i> Course # 14-07-046	Marco M. Rajkovich	4 PDH	8 A.M. – 12 P.M.	\$85	\$85	Clarion Hotel 1950 Newtown Pike Lexington, KY 40511
Saturday, November 5	<i>Ethical Considerations in Underground Mine Mapping for Engineers & Land Surveyors</i> Course # pending approval	Marco M. Rajkovich	4 PDH	1 P.M. – 5 P.M.	\$100	\$200	Clarion Hotel 1950 Newtown Pike Lexington, KY 40511
Friday, November 11	<i>How to Fix a Boundary Line (& How Not To)</i> Course # pending approval	Kris Kline, PLS	8 PDH	8 A.M. – 5 P.M.	\$185	\$285	EyeKamp Scout Center 3501 E Lloyd Expressway Evansville, IN 47715
Saturday, November 12	<i>Statute of Frauds & the Surveyor</i> Course # pending approval	Kris Kline, PLS	8 PDH	8 A.M. – 5 P.M.	\$185	\$285	Ramada Plaza Conference Center 9700 Bluegrass Parkway Louisville, KY 40299
Saturday, November 12	<i>Relative Positional Precision Explained in Everyday Language</i> Course # 14-10-056	Todd Horton, PLS	8 PDH	8 A.M. – 5 P.M.	\$185	\$285	Embassy Suites 1801 Newtown Pike Lexington, KY 40511
Saturday, December 10	<i>Understanding & Resolving Conflicts in Survey Evidence</i> Course # 15-01-003	Barry Savage	8 PDH	8 A.M. – 5 P.M.	\$185	\$285	Shiloh's Roadhouse 218 Russell Dyche Memorial Hwy London, KY 40741



KAPS

Kentucky Association of Professional Surveyors

124 Walnut Street

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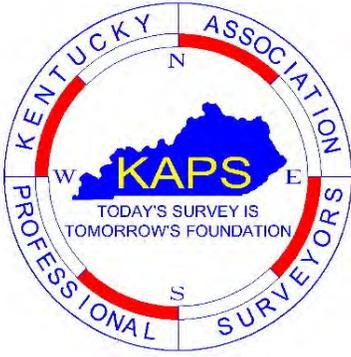
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Date of Seminar

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KYBOELS is an agency of the Kentucky Governor's Office, established by an act of the Kentucky General Assembly 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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Frankfort, KY 40601
(502) 695-9800
ksperry@hmbpe.com

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133 Locust Hill
Frankfort, KY 40601
(502) 229-0025
rofenta@fewpb.net

SECRETARY

James Pedigo, PLS
65 Aberdeen Drive
Glasgow, KY 42141
(270) 651-7220
dpedigo@aei.cc

BOARD MEMBERS

William Bowie, PE, PS
101 Irvine Road
Lexington, KY 40502
wbowie@twc.com

Herb Goff, PE

11321 Plantside Drive
Louisville, KY 40299
(800) 814-7503
hgoff@donan.com

Charles Scroggin, PE

2517 Sir Barton Way
Lexington, KY 40509
(859) 629-4822
charlie.scroggin@hdrinc.com

James Sigler, PE

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

Beverly Smith

Lexington, KY
beverlysmith@twc.com

John Usher, PE

J.B. Speed School of Engineering,
University of Louisville
Louisville, KY 40292
(502) 852-0085
usher@louisville.edu

Sam Williams, PE, PLS

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

KYBOELS

160 Democrat Drive
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(800) 573-2680
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bdavid.cox@ky.gov

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jamese.manning@ky.gov

GENERAL COUNSEL

Jonathan Doran Buckley
jonathand.buckley@ky.gov

STAFF

Wanda Jordan
Executive Assistant/Endorsement
Licensure
wanda.jordan@ky.gov

Tamra Chesser

Land Surveying Licensure/Continuing
Education
tamra.chesser@ky.gov

Kyle Elliott, PLS

Investigator
kyle.elliott@ky.gov

Melissa Kopp

Engineering Licensure/Business
Entity Permits
melissa.kopp@ky.gov

Brent Smith

Systems Administrator
brentd.smith@ky.gov

Sandra Whisman

Legal & Enforcement Assistant
sandra.whisman@ky.gov

Calendar of Events 2016

October 6	Committee Meetings	Frankfort KY
October 7	Board Meeting	Frankfort KY
October 28	PE, STR Vertical Exams	Louisville KY
October 29	STR Horizontal Exam	Louisville KY

Bud Salyer, Esq.

More Notable Surveyors



From the time the first surveyors came into Kentucky in 1773 until well after statehood, surveyors were the leading citizens who helped the infant state achieve its status as a civilization on the frontier. I am continuing with stories about some of them.

THOMAS ALLIN

Thomas Allin was born May 4, 1757, in Hanover County, Virginia, and on Feb. 16, 1789, was married to Mary Jouett, daughter of John (Jack) Jouett. He served as a Captain in Benjamin Tallman's Rhode Island State Regiment beginning in December, 1776, and then served as Quartermaster of General Greene's staff until the close of the war. During his service under General Greene, he took part in the retreat from South Carolina into Virginia. He participated in the Battle of Guilford Court House in 1781. He then emigrated into Lincoln County, Kentucky, where he was appointed deputy sheriff at the opening of the first court there, and also was appointed deputy surveyor under James Thompson. He had a large area to cover while acting in that capacity and rode from fort to fort and had many narrow escapes as the county was infested with hostile Indians. There was a fort at the present location of Harrodsburg, and when Mercer County was organized, that location was chosen as the county seat and Allin laid out the town. He was made county court clerk and circuit clerk on quarter sessions for Mercer County in 1786. He and his

heirs held these offices continuously for 126 years.

He originally laid out the town of Harrodsburg, and resurveyed the town of Danville. The town spring was the center of the survey and when he ran the resurvey, he set his "Jacob's staff" in the spring under a projecting rock shelf as the starting point. He planted corner stones in his retracement. He was aided by Dr. Christopher C. Graham. First clerk of the first court in Kentucky.

Previous to his appointment as county clerk, Allin did considerable work as surveyor laying out town sites for Henderson, Danville, Lexington and Harrodsburg, and received as compensation for his services some land where Newport now stands.

In 1797, the Transylvania Company employed Samuel Hopkins, for whom Hopkins County is named, as agent and Thomas Allin as Surveyor to go to the Henderson Grant and lay out the town. They kept very complete notes and from them we learn that Hopkins left his home in Hanover County, Virginia, in Feb. 16, 1797, for Kentucky. He reached Danville on March 10, 1797, and engaged Allen to survey the grant. They took three hands as chain carriers and markers. At Lexington, they were joined by a Mr. Purviance, a land speculator. On the way, Elisha Howard was hired as guide, hunter and messenger. The horses and supplies were sent by land, but Hopkins and the group went down the Green River by boat to the Ohio. They reached Red Banks on March 30, 1797, and started work immediately. However, it rained for 20 days and the Ohio and Green Rivers were flooded. The original plan of the "Old City" shows four streets 2-1/4 miles long and parallel with the Ohio. Three were 100 feet wide and one, Water Street, was 200 feet wide. They were intersected by 25 cross streets, all 100 feet wide. They laid out wide streets so fire could not jump from one block to another. Six blocks in the center of the town were donated by the company for a park.

Upon completion of their work, Allin filed his report:

“At the request of Gen. Samuel Hopkins, agent for the Richard Henderson & Co., I began the 31st of March, 1797, and proceeded to lay off the town of Henderson on the Red Banks of the Ohio as follows: To wit, 132 square lots containing one acre each, four of which form a square following a street on the river from the top of the bank 200 feet wide to street parallel thereto and ten cross streets and a street environing the whole except the side next the river each of which said streets are 100 feet wide the course of the parallel streets run down the river south 19 Degrees West and the cross streets are at right angles thereto. Also the same number of lots with like streets the upper corner of which (to wit) the upper corner of lot No. 133 and the lower corner of Lot No.---- lying distant from each 205 yards, 2 feet, 5 inches, the parallel street of the lower part of the town, conforming to the course of the river runs to the river South 31 degrees West and the cross streets are at right angles thereto space between the upper and lower parts of the town forming two squares of plats between the environing streets for public purposes. I then laid out 32 lots of ten acres each bounding on the environing streets of the river all of which is comprised and see on the plan hereto prefixed and the lots are bounded as follows: And I finished laying off the said In-and-Out Lots on the sixth day of April 1797 --which I do hereby certify. Given under my hand this 20 of June 1797. Signed, Thomas Allin”

In his capacity as deputy surveyor, Allin had a most unusual task: laying out the prison bounds in Harrodsburg. In those days, debtors could be imprisoned for debt until the debt was paid. However, realizing that someone locked in jail is in no position to pay a debt, the law permitted the debtor to post a bond and be let out so long as he stayed within the “prison bounds”. That way, a debtor could probably find work and pay his debt. At that time, the bounds in Harrodsburg would probably have been 10 to 20 acres.

Allin and his father-in-law, John Jouett, were among the thirty-eight men who organized the Society for Promoting Useful Information. He was a member of the convention in Virginia which ratified the present Constitution of the United States. When the call for volunteers came from General Harrison in his Indian campaigns, Allin took the field as Captain of Light Horse under General Scott. The fighting terminated in the

Battle of Tippecanoe on the banks of the Wabash River. Later, Major Allin returned to his work at Harrodsburg and continued as clerk until his death. He was placed on the pension rolls Feb. 15, 1833, under the Act of June 7, 1832. He died of cholera five months later. His residence, constructed about 1790, one of the earliest brick structures in Kentucky, was located on the southwest out-skirts of Harrodsburg.

JAMES GARRARD

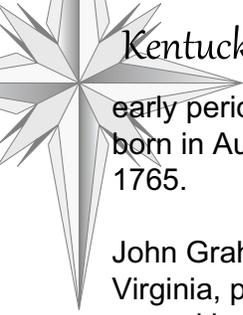
James Garrard was born in Stafford County, Virginia, 14 January 1749, and died in Bourbon County, Kentucky, 9 January 1822. While engaged as a militia officer in the Revolutionary war, he was called from the army to a seat in the Virginia legislature. There, he was a zealous advocate of the bill for the establishment of religious liberty. Having removed with the early settlers to Kentucky in 1783, and settled on Stoner River, near Paris, he became a political leader and was a member of the convention which framed the first constitution of the state. He was ordained to the Baptist ministry.

Based on survey certificates of record, he did not do any surveying prior to 1785 when he was appointed a deputy in Fayette County. He then promptly became the surveyor of Bourbon County, which leads one to believe that the Surveyor’s office was based more on political influence than merit on surveying skills. **The first meeting of the Bourbon Co. Court took place on May 16, 1786, at Garrard’s home. Garrard was appointed surveyor that day (as well as one of the justices), and Edward Waller, John Waller, Miles Conway and Henry Lee were appointed to examine Garrard’s appointments for deputy.**

In 1791, during the convention for drafting Kentucky’s constitution, he was chairman of a committee that reported to the Elkhorn Baptist association a memorial and remonstrance in favor of excluding slavery from the commonwealth by constitutional enactment. He was elected governor in 1796, and re-elected in 1800, serving eight years.

JOHN GRAHAM

John Graham, soldier, explorer, surveyor, farmer, merchant, banker, judge and land trader, was Floyd County’s most important citizen during the



early period. Of Scotch-Irish descent, he was born in Augusta County, Virginia on January 1st, 1765.

John Graham received a good education in Virginia, probably at Augusta Seminary, and later served in the Eighth Virginia Regiment, Continental Line, during the Revolutionary War. After emigrating to Kentucky, he served in the Kentucky Militia under Captain William Price in the Indian campaign of 1788.

Graham came to Kentucky while still a young man. He explored the Red River Valley in 1784 and three years later he explored the headwaters of the Big Sandy River. In 1787, he was hired by Colonel John Preston to survey his 100,000-acre Virginia land grant on the headwaters of the Big Sandy. In 1797, Graham made his first survey of the site of Prestonsburg, Kentucky, and soon thereafter surveyed his own patent, a 2,000-acre tract enclosing all the bottom land on both sides of the river from the mouth of Abbott Creek to the mouth of Beaver Creek.

In 1799, after his surveys of Colonel Preston's lands were finished and Floyd County was established, Graham returned to his home in Tazewell County, Virginia, where he married on February 10th, 1803, Rebecca Witten, daughter of Revolutionary War veteran Thomas Witten, Jr. and Eleanor Cecil Witten. Eleanor was a first cousin of Kentucky Governor Christopher Greenup.

After their marriage, John Graham and his wife lived in Tazewell County for a year or so. About 1805, after their new log home on the Big Sandy was completed, they moved to Kentucky taking their infant son Thomas, their slaves and their household effects. Their home was located close to the river, about three miles below Beaver Creek, in the present-day hamlet of Emma. Two years later, Graham erected the first frame house in the valley. The dwelling soon became famous, for it was a story and a half high and had seven rooms. The construction of the house required five years of constant labor. John Graham's first house was completed in 1807 and torn down in 1898.

During the 1799-1835 period, John Graham was the leading land agent of the county. His trading post at Emma became the county's land office and general store, and he became the county's first

banker and money-lender. For many years, he was Floyd County Surveyor, the county's most important office during the early period. He also served as the first Representative to the Kentucky Legislature from the Big Sandy District, and in 1808 and 1814 he served as Assistant Judge of the Floyd County Circuit Court.

Judge Graham died on April 20th, 1835 and was buried in the Graham Family Cemetery on the hill overlooking modern-day Emma. In his will, executed April 19th, 1835, and probated in the Floyd County Court during the June Term, 1835, he bequeathed to his wife and their six daughters over 5,000 acres of land and a large estate of personal property, including fourteen Negro slaves and one emancipated Negro man.

GEORGE MAY

George May was the original county surveyor of Kentucky County, Virginia, after it was split off from Fincastle County. He then became the first surveyor of Jefferson County, Virginia, one of the original three counties after Kentucky County, Virginia, was divided. He opened his office on May 1, 1780, at Wilson's Station on the Salt River, about two miles below Harrodsburg. There were so many applicants on that date that it took May and several assistants several days to receive and receipt for the warrants and then it took 15-20 days to arrange them before any entries were permitted. Prior to this, the land law of 1779 provided that no treasury warrant would issue before October 15, 1779, and they would be given priority according to the dates of the warrants. No entries could be made before May 1, 1780. Consequently, a large number of people attempted to get their treasury warrants on October 15, and they went to Kentucky to look for land. They had to turn in their warrants and let May arrange them according to date, after which they could make their entries.

He was surveying with a party of 12 and returning from Washington Co. when they were ambushed by about 12 Indians. The location was about 1-1/2 miles above Shepherdsville on the south side of the Salt River. All, including May, were killed except a man named Hardin. Hardin managed to escape to the river bank near Brashear's station. A group of settlers on the north side kept up a covering fire while another group went down river to a crossing and came up and drove the Indians off. May's field

notes were preserved and his work was subsequently upheld by the Kentucky Supreme Court.

He served as the escheator in 1780 when the land of John Connolly and Alexander McKee was escheated because they had remained loyal subjects during the revolution. The verdict held that they were British subjects and after April 19, 1775, had departed from the states and joined the subjects of the Britannic Majesty, and that on July 4, 1776, Connolly had 2,000 acres opposite the falls and McKee had 2,000 acres on the headwaters of South Elkhorn.

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Welcome New KAPS Members!

- Brian Ferguson** - Green River Chapter (1st Licensed Year)
- Bobby Lambert** - Falls of the Ohio Chapter (Full Member)
- James Roberts** - Bluegrass Capital Chapter (Full Member)
- Daniel Tucker** - Northern KY Chapter (Associate Member)
- David Wallace** - Jackson Purchase Chapter (Student Member)



"Hey buddy, got a light?"



OK people, the gauntlet has been thrown down. **Who is our mystery KAPS member?** Play along with our "Who am I" feature and win a Major Prize - a \$25 gift card for the first correct response. Email ComerPEPLS@GMail.com.

We hope to make "Who am I" and "Where am I" regular features of *The Interior Angle*. Don't be a spoilsport, take a guess! And submit your photos for a future issue to dianecomerkaps@gmail.com.



Professionals Wanted

PE/PLS Position

Jeff Robards Construction Inc. is a growing site work contractor in Northern Bullitt County seeking an individual for a Project Management, Engineering and Estimating position. We are a dynamic company utilizing technology to maintain a competitive edge in our market while holding onto our core values of teamwork and family - our goal is not to be the biggest but the best at what we do. Our scope of work includes water, storm and sewer installation along with mass earthwork and roadways. We seek projects that challenge us to grow and learn. Position when filled will have opportunity to work under a PLS.

The position requires the following skills:

- Proficiency in CAD
- Excel
- Must have proven track record of working independently
- Ability to review civil construction plans and develop a take-off
- Preparation of a scope of work consistent with take-off and bid
- Ability to work in a high paced, deadline driven environment
- Organization and multi-tasking
- Ability to effectively communicate with vendors, clients and co-workers
- Help create points for stake out by surveyor
- Ability to create 3D surface models
- GPS Technology

Our company offers a competitive benefits package including paid vacation and holidays, 401(K) with employer match and private health insurance. Resume with reference may be submitted via email to lisah@jrc-inc.com or by fax to (502) 957- 5977, attention Lisa Hart.

Survey Draftsman and GIS Specialist

Brad Armstrong Land Surveying, Inc. is seeking a Survey Draftsman & GIS Specialist, responsible for the following: Proficiency with ARCGIS, AutoCAD and Land Development Desktop. The successful candidate will produce Plats of Subdivision, Plats of Survey, Topographic Surveys, ALTA Surveys, and Boundary Surveys.

Qualifications: The Survey Draftsman is responsible for follow through and quality completion of all assigned tasks with the following essential qualifications:

- Strong math and geometry skills
- Ability to work on multiple projects simultaneously
- Drafting skills adequate to upload survey measurements into a computer system and create drawings and maps using AutoCAD & ARCGIS
- Prepare data, plots, maps, charts, records and documents related to surveys
- Search archives for survey and construction design and as-built records as may be relevant in ongoing projects
- Assist in the preparation of descriptive narratives and tables on surveys to be used in project scopes of work and bid documents on construction and land projects
- Perform relevant and related tasks as may be directed
- Update drawings as needed and assist maintaining of process flow diagrams (PFD) and process instrumentation diagrams (PID)

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Saturday, April 9, 2016, 10:00 a.m. EST

Kentucky Engineering Center, 160 Democrat Drive, Frankfort, KY

KAPS Board of Directors

CALL TO ORDER

KAPS 2016 President, Jason Graves, called the April 9, 2016 KAPS Board of Directors Meeting to order.

PROXY VOTES

A total of four proxies were submitted: William Bowie assigned his proxy to Kevin Phillips on March 21, 2016; Chris Gephart assigned his proxy to Steve Lilly or Tom Bushelman on March 28, 2016; Dempsey Miracle assigned his proxy to John Ledington on April 4, 2016; and Dan Farrell assigned his proxy to Kevin Phillips on April 7, 2016. Mr. Bowie is a non-voting member therefore his proxy was rendered void. Tom Clayborn moved to accept the remaining three proxies. Mike Ladnier seconded. Motion carried.

MEMBERS PRESENT: Jason Graves – President; Josh Calico – President Elect; Kevin Phillips – Vice President of Internal Affairs; Thomas Clayborn – Past President; John Ledington – Director / Secretary; James Mayo – Director / Treasurer; Michael Ladnier – Professional Development Chair / Audubon Chapter Chair; Tom Bushelman – Director / By-Laws & Policy Manual Chair; Nick Jerdon – Bluegrass Capital Chapter Chair; Robert Smith – Green River Chapter Chair; Randy Long – Northern Kentucky Chapter Chair; Matthew Clark – Jackson Purchase Chapter Chair

STAFF PRESENT: Molly Forrest – Administrative Assistant

GUESTS PRESENT: None

MEMBERS ABSENT: Dan Farrell – Vice President of External Affairs; Craig Palmer – NSPS Director; Chris Gephart – Kentucky Board of Licensure Liaison; William Bowie – KSPE Liaison; Paul Schrader – GIAC Liaison; Steve Lilly – KAMP Liaison; Greg Barker – Director; Tommy Crabtree – Director; Richard Montgomery – Director; Bob Neuhaus – Barren River Chapter Chair; Tyler Pence – Falls of the Ohio Chapter Chair; Johnny Justice – Highlands

Chapter Chair; Dempsey Miracle – Southeast Chapter Chair

PRESIDENT'S WELCOME

President Jason Graves welcomed everyone to the meeting. Introductions were made.

ADDITIONS OR REVISIONS TO THE AGENDA

No additions or revisions were requested.

REVIEW AND APPROVAL OF BOARD MEETING MINUTES

The minutes of the February 17, 2016 and February 18, 2016 Board meetings were reviewed. Tom Clayborn made a motion to approve both sets of minutes. Mike Ladnier seconded. Motion carried.

The minutes of the February 19, 2016 General Membership meeting were reviewed. These minutes will not be approved until the next General Membership Meeting in February, 2017.

KAPS OFFICER REPORTS

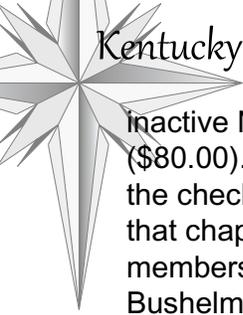
President's Report – submitted in the Board Packet.

President Elect's Report – no report

Treasurer's Report – The 03.31.16 Balance Sheet / Profit & Loss Statement was submitted in the Board Packet as well as a budget comparison report. Tom Clayborn moved to accept the financial statements. John Ledington seconded. Treasurer's Report accepted.

Administrative Assistant's Report – Submitted in Board Packet. Molly Forrest distributed Chapter dues checks as well as 2015 Fall Seminar Disbursement checks to the Chapter Chairs that were present. Chapter chairs were encouraged to reach out to KAPS members that have not renewed for 2016.

Mrs. Forrest asked the board their wishes on the



Inactive Northeast Chapter's dues portion (\$80.00). Tom Clayborn made a motion to give the check to the Bluegrass-Capital Chapter since that chapter has integrated the Northeast's membership into their contact list. Tom Bushelman seconded. Motion carried.

Mrs. Forrest asked for fall seminar submissions to be made prior to May 17 so the Board of Licensure could consider for pre-approval. Fall Seminar details should be discussed with Mike Ladnier.

Mrs. Forrest further reminded everyone to promote the KAPS Golf Outing and Picnic coming up on June 17 & 18 in Bardstown.

OLD BUSINESS

Salary Survey – no report

KAPS Membership Certificates and Cards – Molly Forrest reported the web masters continue to work on the website and generating certificates and cards. One of their questions was whether the board wanted to set up automatic annual dues payment on the website. The board thought it was a good idea as an option but members should be given a choice. Tom Clayborn made a motion to offer the auto-renewal option on the website. If we don't see a good response to the option, we may institute an incentive for folks to use the option next year. Tom Bushelman seconded. Motion carried.

The web masters also wanted the board's opinion on setting up the automatic payment on the date of actual renewal as opposed to the calendar year. The board agreed to keep it on the calendar year.

Prints of Professions Surveyor's Print – Tom Clayborn reported Mr. Elam will not give the artist's information out. The committee will be sending pictures to Mr. Elam.

KET Telefund – A thank-you letter from KET was included in the packet. The KAPS team raised \$25,592.00 including \$3,041.00 in callouts. President Graves thanked the participants.

Marco Rajkovich's Online Courses – Tom Clayborn reported work on the online courses is on-going.

College Level Land Boundary Surveying

Courses – Tom Bushelman submitted a letter to University of Kentucky regarding the concerns the board has on this issue. The board agreed the letter was well written with only one minor grammatical change. Nick Jerdon will find out the specific person to address the letter to and Molly Forrest will put the letter on KAPS letterhead.

KAMP / KAPS MOA Proposal – The proposal was tabled until Steve Lilly could be in attendance.

NEW BUSINESS

Next KAPS Board Meeting – Friday, June 17, 2016, 6:00 P.M. EST at the Wickland Historic Mansion, 550 Bloomfield Road (US 62), Bardstown, KY 40004

Board of Licensure Appointment – President Graves reported the appointment of William Bowie to the Board of Licensure by Governor Bevin. Tom Clayborn reported Mr. Bowie plans to send a letter of resignation for his position on the KAPS Board.

Administrative Assistant Annual Evaluation – President Graves reported the Board's decision to increase Molly Forrest's pay to \$22.00 per hour (\$1.00 an hour increase). It was also decided to give her birthday as a paid holiday. Mrs. Forrest expressed her appreciation to the Board.

NSPS Response Letter to USA Today 24/7 Wall St. Article – submitted in the board packet. NSPS pointed out the surveying inaccuracies in the article.

NCEES Surveying Education Award – Submitted in the board packet. NCEES will award a \$10,000.00 prize to up to 10 qualifying programs to assist with each program's continued efforts to promote the importance and value of licensure.

Kentucky State Fair – August 18 – 28, 2016 - President Graves reported he'll get the sign-up sheet out to the board and membership for state fair participation. Tom Clayborn suggested a key-chain compass as a possible give-away item. Mr. Clayborn made a motion for the fair budget to be \$2,000.00 outside of the booth fees. Tom Bushelman seconded. Motion carried.



Kentucky Construction Career Days – September 20-21, 2016 – The board agreed to participate in the event again this year.

EX-OFFICIO DIRECTORS REPORTS

GIAC Liaison – no report

KAMP Liaison – no report

KY State Board of Licensure Liaison – no report

KSPE Liaison – no report; Nick Jerdon agreed to be the KSPE Liaison since Bill Bowie has been appointed to the Board of Licensure.

NSPS Governor – no report

Professional Development Chair – the 2015 Fall Seminar Disbursement report was included in the Board Packet. Net profit was \$17,052.52. Net profit less 35% to involved chapters was \$13,735.93. The 75% for the state association was \$10,301.95. Molly Forrest reported the Jackson Purchase Chapter is the only chapter that has submitted course information for a fall seminar.

CHAPTER REPORTS

Audubon – no written report; Mike Ladnier reported the chapter met in March with three present. The next scheduled meeting is April 18. It will be a joint meeting with the Jackson Purchase Chapter in Madisonville. Hopefully the chapter will decide about a fall seminar at the upcoming meeting.

Bluegrass-Capital – no written report; Nick Jerdon reported the chapter plans to meet in the near future.

Falls of the Ohio – no report; President Graves reported the chapter has had one meeting this year.

Green River – no written report; Bob Smith reported the chapter met in March with low attendance. Bob Fentress was in attendance at the chapter meeting and discussed the importance of communication between the Board of Licensure and KAPS. The chapter continues to try and recruit additional members and plans to meet every other month.

Northern Kentucky – no written report; Randy Long reported the chapter has an upcoming meeting scheduled. They typically have 6 – 8 members present at meetings.

Purchase – written report submitted; Matthew Clark reported the chapter meets monthly. Their chapter is planning a fall seminar with Chris Gephart teaching his minimum standards course in the morning and Andy Kellie teaching in the afternoon.

Southeast – no written report; John Ledington reported the chapter has had no meetings this year.

COMMITTEE REPORTS

Annual Conference – expense/profit report submitted; the difference between budget and expense was \$17,755.72 profit.

Annual Golf Outing and Picnic – golf outing, sponsorship, and picnic registration forms included in Board packet. President Graves asked for help with the event since he is not a golfer. Tom Clayborn volunteered to print and laminate the golf hole sponsor signs. He encouraged everyone to recruit sponsors, promote the events, and attend. Tom Clayborn volunteered to bring the picnic sides, plates, etc. Each chapter was encouraged to provide door prizes for the picnic.

Finance – no report; Kevin Phillips reported he has not met with Morgan Stanley. He did, however, get a professional opinion regarding fees being charged. It looks like the fees should be approximately one-tenth of what it is. Mr. Phillips plans to meet with the investment company soon.

Legislative – no written report; Tom Clayborn reported the session had ended with nothing affecting KAPS except SB202 not being brought up in the House. SB202 pertained to venue changes for actions involving the Commonwealth. The Board of Licensure's position is against the bill. The Timber Theft Taskforce did not proceed this session. Looking forward, an increase in continuing education hours will most likely be brought up next session.



SPECIAL COMMITTEE REPORT

KY / TN State Line Monuments – Mike Ladnier reported having only 5 reference monuments. He will find out how many more are needed.

Board of Licensure Nominations – nothing further

Continuing Education Hours – Tom Bushelman encouraged chapters to get feedback on raising the continuing education hours to 15 hours. Tom Clayborn stressed the importance of getting a letter together so Government Strategies can begin work finding a sponsor. Mr. Bushelman will have the letter at the June board meeting.

ADJOURNMENT

Tom Bushelman made a motion to adjourn. Nick Jerdon seconded. Motion carried. Meeting adjourned.

Respectfully submitted by Molly M. Forrest for John Ledington, PLS, Secretary

Edited for content by Doug Comer, Editor.



Holly Gill, CIC
PROFESSIONAL LIABILITY AGENT
WALKERAGENCY.COM

Cell: 317-691-5302
Direct Line 317-759-9320
holly@walkeragency.com



Kentucky Association of Professional Surveyors

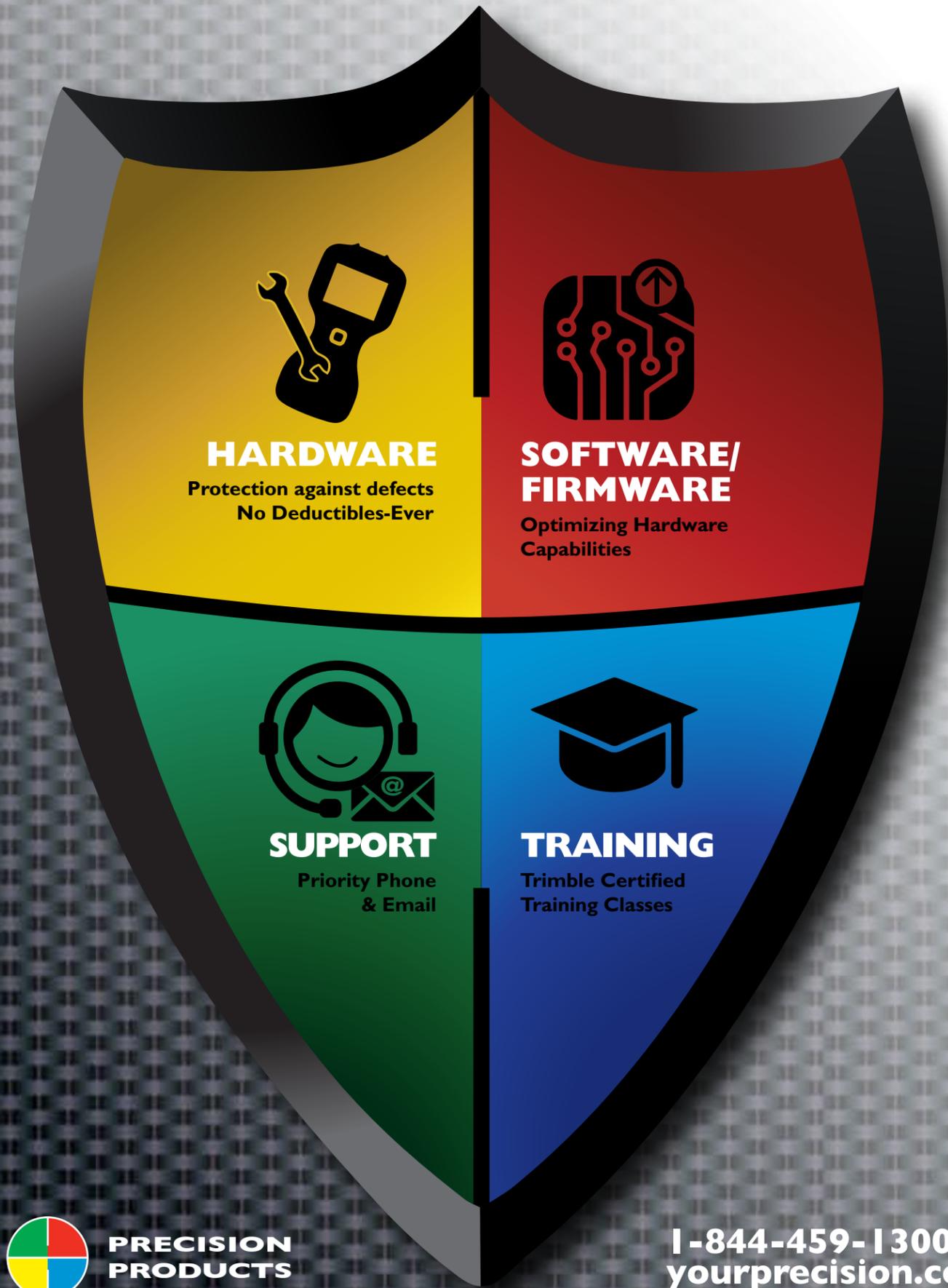
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BUSINESS NAME & ADDRESS _____

CITY _____ STATE _____ ZIP _____

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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
- CORPORATE MEMBER* \$ 390.00
- BUSINESS MEMBER \$ 390.00
- STUDENT MEMBER \$ 0.00

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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:

PAYMENT REC'D / RECEIPT / WEBSITE / EXCEL / CHAPTER / POST NSPS