

# Cleveland Surveying News

November 2015



- Nov 5 Chapter Seminar
- **2016 Officer Elections**
- Survey Caps





**Sales • Service • Rental • Leasing • Training • Support**

**Mapping, Scanning and Surveying Solutions**  
**Serving Ohio for over 47 years**



*Authorized Dealer*

**3455 Briarfield Blvd – Suite D**

**Maumee, OH 43537**

**Tel: 800-548-1503**

**Fax: 419-243-6418**

**info@cityblueprintoftoledo.com**

**www.cityblueprintoftoledo.com**

# Cleveland Chapter

## Professional Land Surveyors of Ohio

PRESIDENT  
(vacant)

PRESIDENT-ELECT  
Steven Metcalf, PS  
[sjmincleveland@yahoo.com](mailto:sjmincleveland@yahoo.com)

TREASURER  
Timothy Feller, PS  
[timf@mcsteen.com](mailto:timf@mcsteen.com)

SECRETARY  
Mike Kral, SI  
[secretaryclevelandplso@gmail.com](mailto:secretaryclevelandplso@gmail.com)

DELEGATE  
George Hofmann, PS  
[george\\_hm@ameritech.net](mailto:george_hm@ameritech.net)

PAST PRESIDENT  
(vacant)

### Cleveland Surveying News

Volume 14, Issue 7  
Distribution: 410

Editor: (open if interested)  
Publisher: [Robert Hoy](#)

Columnists:  
[John Dailey, PS](#)  
Scott Casey, PS  
Michael Straub, PS

Cover Photographer:  
Robert Hoy, PS

### 2015 Advertising Rates

Full page: 9.6"x7.3" \$400 yr  
1/2 page: 4.8"x7.3" \$200 yr  
1/4 page: 4.8"x3.6" \$100 yr

[Email the CSN](#)

Cleveland Chapter of PLSO  
P. O. Box 81713  
Cleveland, OH 44181-0713

## Features

<a href="#">Seminar Meeting - Nov. 5</a>	4
<a href="#">2016 Officer Election</a>	7
<a href="#">NEXUS Surveyors Update</a>	12

## Meetings

<a href="#">Annual Meeting - January 2016</a>	7
---	---

## Articles

<a href="#">Survey Caps</a> by Robert Hoy	6
<a href="#">Random Lines</a> by John Dailey	8

## Reports

<a href="#">Delegate</a>	10
<a href="#">October Executive Highlights</a>	13

## Miscellaneous

<a href="http://www.plso.info">www.plso.info</a>	7
<a href="#">Cuyahoga County GIS</a>	12
<a href="#">PLSO Workshop</a>	14
<a href="#">Chapter Calendar</a>	16

### 2015 Advertising Rates

Full page: 9.6"h x 7.3"w \$400 yr.  
1/2 page: 4.8"h x 7.3"w \$200 yr.  
1/4 page: 4.8"h x 3.6"w \$100 yr.  
Contact: [robert.hoy7@hotmail.com](mailto:robert.hoy7@hotmail.com)

### ADVERTISERS

2	City Blueprint of Toledo	11	Precision Laser & Inst.
4	Roberts Surveying Supplies	13	Jake's Stakes
5	Leica Geosystems	15	Aerocon Photogrammetry
9	GeoShack		

## Seminar Meeting

**Thursday November 5**

Tony "K's" Bar & Grill  
841 West Bagley Road  
Berea, Ohio 44017

**Topic:** Autodesk Civil3D Overview, 1.0 PDH

**Speaker:** Dino Lustri, PE, PS

**Topic:** Surveying Trends, 0.75 PDH

**Speaker:** Open Discussion

**Cost:** Dinner + \$5, PLSO Members Only

*\* Come for dinner to attend seminar \**

*\* Order off the regular menu, pay your own bill \**

### Schedule

6:00 Socializing  
6:30 Dinner  
7:00 Executive Committee Mtg.  
7:45 Civil 3D by Dino Lustri  
8:45 Surveying Trends  
9:30 Closing

**Reservations Required  
by noon Tuesday 11/3:**

Contact Steve Metcalf:  
[sjmincleveland@yahoo.com](mailto:sjmincleveland@yahoo.com)

# HIGH GRADE HARDWOOD SURVEY STAKES

## DELIVERY AVAILABLE

- TOPCON DEALER
- SOKKIA DEALER
- FIELD SUPPLIES
- INSTRUMENT SALES, SERVICE & RENTAL
- GPS TECHNOLOGIES
- FIELD EQUIPMENT



# ROBERTS

## *Surveying Supplies*

[WWW.ROBERTSSURVEYING.COM](http://WWW.ROBERTSSURVEYING.COM)

5758 Ridge Road Parma, Ohio 44129

Phone (440) 842-2218

Fax (440) 842-0802



# TRADE IN & TRADE UP

NOW THROUGH JUNE 30, 2015

Exchange your out of date robotic motorized instrument (up to 10 years old) and get a complete scanning and surveying package including MS50, data collector, office software, pole, prism, and tripod.

**\$55K** (\$14,600 savings)



## MS50 Features:

- The fastest, most accurate "hybrid" total station available, with robotic surveying/imaging/scanning capabilities.
- With a 1" robot that scans 1000 pts/sec, the MS50 is designed for high precision surveying, yet easy of use to meet your daily needs.
- Enjoy simple workflow and data management without special training. Points, linework, images, and 3d points clouds easily integrate into most major CAD packages.

## Terms & Conditions:

- Any Topcon/Trimble/Leica/Spectra Brand Robotic/ Motorized Instrument, less than 10 years old and in working condition, will be accepted under this program. Traded-in goods must be received within 30 days.
- Trade-ins are on a one-for-one basis and may not be combined with volume discounts.
- The Trade-in program is only applicable against the purchase of new equipment.
- Other conditions may apply.

**Contact Alex Cherchian  
for more info:**



614.264.6722



alex.cherchian@leicaus.com



leica-geosystems.us

- when it has to be **right**

**Leica**  
Geosystems

## What's Happening to Our Caps?

by Robert Hoy, PS

Over the past few years you've seen photos of monuments I've found in the field. Good ones, bad ones, ugly ones, and monument photos provided by other local surveyors. Why are pins we set so important? They will be found, and hopefully used, by surveyors for decades to come. Surveying isn't like an architect's plan for a building, that once is constructed, is rarely ever needed again. We can't perform a boundary survey without finding *another* surveyor's monuments.

Survey monuments of the past were objects that could be found or shaped for use near the corner to be monumented, such as stones and trees cut into posts. I have yet to come across a stone/wood post/wood hub finding device. Let me know if you do. We even featured on the cover of the [April 2012 CSN](#) an appalling sight of a new capped iron pin set against a stone with drill hole and square where the pin was bent towards the drill hole.

Ohio Administrative Code Section 4733-37-03 Monumentation C-4 states:

*Be identified with a durable marker bearing the surveyor's Ohio registration number and/or name or company name.*

The term that controls this requirement is *durable*. What is durable? A durable marker to one surveyor might not be durable to another. Just like two companies claim their field instruments are the



"latest technology", when really one company uses a 15 year old robotic instrument and the other uses the newest line of robotic instruments and GNSS receivers. Having "durable" in this section of state law is like stating reinforcing in a concrete foundation on construction plans should be "strong". Rural property owners sometime burn weeds and brush. If a plastic property corner cap is above ground, it will melt. Even the survey crew setting the property pin can smash a plastic cap beyond recognition trying to get the top positioned correctly if the pin "wanders" from hitting below grade objects as it's being driven down.



Durable markers on set monumentation has a requirement since 1982. John Dailey, PS recalls in the 1970s and early 80s when the first survey standards were being discussed, it became desirable to be able to identify who set the pin. This allowed you to know who to contact with questions and also to decide whether or not to trust it. It also showed the difference between a property corner and a piece of trash.

Readily available plastic caps for rebar are either described as *plastic cap*, or for *permanent identification and weather-resistant service life*. The "weather-resistant" cap cost more than the basic cap. The cost of rebar, caps, lath, vehicle mileage should all be included as expenses/survey supplies in your cost for surveying services to your clients.

The cap on the newsletter cover was found laying on the ground next to a rebar. A rebar sticking 12 inches out of the ground. It was in the "woods" but on the right (Cont'd on Page 8)



## 2016 Chapter Elections

We need you! Our slate of officer nominations shown here is blank! Step up and fill a position. Everyone that gets involved brings something new, guiding and leading our chapter. Your time is now.

Information about these officer positions is in our Constitution & ByLaws and in our officer handbook. Both are available on the Contact Page of our website:

<http://cleveland.plso.com/contact.html>

Interested in a position or want to nominate a member for one? Email our secretary:

[secretaryclevelandplso@gmail.com](mailto:secretaryclevelandplso@gmail.com)

President-Elect:	_____	PS
Treasurer:	_____	PS
Secretary:	_____	
Delegate:	_____	

Mark your calendars for our Annual Meeting!

Thursday January 28, 2016

Location and detailed information in a December email and the January CSN.

An invaluable tool for Cleveland Chapter members is exclusive access to the Survey Bank containing thousands of surveys in our area. Painstakingly catalogued by member volunteers, this is a searchable database covering Cuyahoga County with overlap into adjoining counties.

Website:

# PLSO.info

**Free Cleveland Chapter Member login**

Contact the Website Committee Chair:  
Dino Lustri  
[dino@dles.co](mailto:dino@dles.co)

## Survey Caps (from Page 6)



of way line of an average sized road. What have all these cap photos so far had in common? They were all found at or above ground. Materials in these caps have been greatly affected by air and sunlight. They appear to dry out and crack. My most extreme deterioration example is on the next page.

Monumentation of Boundary Surveys does not specify how deep a monument shall be set nor how far above ground it shall protrude. All that is stated



is that a monument be at least 30 inches in length. However, Ohio Revised Code – Title VII Municipal Corporations, Chapter 711: Plats 711.03 *Cornerstones, markers, and iron pins* includes the following:

*All stone, concrete, or iron pin markers shall be at least thirty inches long and the bottom of such markers shall be set at least thirty inches below finished grade.*

<http://codes.ohio.gov/orc/711.03>

The above does not apply directly to boundary surveys; however, it explains why some cities or counties require concrete monuments at bounding corners of a new subdivision.

Might the plastic caps advertised as having “weather resistance” last longer, on a pin above ground exposed to the elements, than a plastic cap manufactured 25 years ago? Maybe. Set a pin in



your backyard and get back to me in 15 years. But that's not a proactive way to ensure our newly set monuments will be identifiable by a surveyor in 50 years.

How do I know that our caps being above grade is causing this extreme breakdown? Earlier this year I had the good fortune to start a project that involved surveying a road that was relocated in 1998. During monument recovery, I came across two capped pins, 80 feet apart, (Cont'd on Page 10)



## Random Lines

by John Dailey, PS

Anyone who has known me over the past 50 years know that I am a nut about the American public exercising not only their right, but their duty to vote in local, state and national elections. This is something we have boasted about for 239 years but in the last election, the vast majority of American citizens did not even bother.

If you don't participate, don't crab about the results. You only get back what you are willing to put in or do not put in. If you don't play the game, you can't complain about the results.

I have never suggested who or what to vote for, only about the need to vote. This time I am breaking my own rule.

**THIS IS MY OPINION. TAKE IT OR LEAVE IT. YOUR CHOICE.**

State Issue 3 is a money grabbing attempt by a few people to make marijuana growth, distribution and use legal in Ohio, as long as the proceeds go

through their bank accounts. Their television ads would have you believe that they are doing this to help the sick people in Ohio get "medical marijuana." As I understand it, "medical marijuana" has always been available as long a doctor prescribed it. I just don't buy their altruistic approach. It is all about the money.



John Dailey, P.S.

Their ads talk about job creation and taxes, music to most politician's ears. I don't know if they have totaled the additional expenses for police support, drug treatment or rehab.

The ads talk about keeping the drugs away from anyone under age 21. We have such a good record of successfully keeping illicit drugs, tobacco and alcohol away from our youth. I am sure that this plan will work better. (In case you missed it, that was sarcasm )

We Surveyors do a lot of work in and around roads. Do we really want more impaired drivers out there? Do we really want someone using marijuana working for and with us and endan-

(Cont'd on [Page 10](#))



## Solutions Made Simple

Robots • GPS • BIM • Mobile Mapping • Scanning

SALES • SERVICE • SUPPORT • TRAINING



**GeoShack** is a team of sales and service professionals operating from our 24 retail locations in 9 states and 2 provinces dedicated to serving our customers and providing the best possible solutions.

As the North American industry leader, our team of product specialists will assist you with the latest technology driven productivity tools. **GeoShack** provides expert advice and training on the equipment and software that will make you more productive leading to greater profits for you.

### Cleveland

883 Hampshire Rd., Ste. J  
Stow, OH 44224  
(330) 923-4477

### Columbus

5120A Nike Drive  
Hilliard, OH 43026  
(614) 529-2583

**972-918-5300**  
**www.geoshack.com**



## Random Lines (from Page 9)

gering every one else?

Think about it. Do we really want to be on the same level as the “mile high city”?

That is my opinion. I am voting no. You vote your conscience. Just make sure you vote.

John Dailey, Past

## Survey Caps (from Page 8)



opposite each other marking the right of way lines. One at grade, one slightly below grade and more importantly protected from the elements. They are shown above. These pins were each set 17 years ago. The one left exposed shows significant deterioration while the below grade cap appears like-new. Pictures don't lie.

Should pins be left sticking above ground? Certainly not when they are along the right of way near a sidewalk or in grassy mowed areas. But what about pins in the woods or in brush? The surveyor should of course mark these not easily found pins with a lath and flagging. Yet even in the woods, as illustrated by the cover photo, plastic caps will degrade when left above ground. In my opinion, they should be set slightly below grade to protect the integrity of the cap provided the cap is plastic. The surveyor could offer to place a marker to place over where the pin is, for example a 4 inch diameter PVC pipe 12 to 24 inches long. A benefit for both the property owner *and* other surveyors.

Now what if you really want to set pins and have them protrude above grade? One option is to use

metal caps. Metal caps might cost a couple of dollars a piece where plastic caps are around 50 cents each. PLSO Standards Committee Chairman Brad Kramer has set metal caps on boundary pins left above grade for 30 years and claims they look as good as when they were set.

We surveyors have options for marker caps. Many surveyors will choose the lowest priced survey supplies available. How can we revise AOC 4733-37-03 to help surveyor caps be recognizable by surveyors decades from now? My thoughts: specify pins not protrude out of the ground, be fire resistant (which would preclude plastic caps), define durable.

What do you think? Send me your comments and Brad Krammer (Standards Chair) would love to hear them too: [bradkramer@kramer2000.com](mailto:bradkramer@kramer2000.com)

Robert Hoy, PS  
[robert.hoy7@hotmail.com](mailto:robert.hoy7@hotmail.com)





**Precision Laser  
& Instrument, Inc.**

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

**Construction • Survey • GIS**

Sales • Service • Rentals • Training • Support



**NEW!**

## SP60 GNSS Receiver *Simply Versatile*



The SP60 solution offers **superior flexibility** for any survey demand, from simple post-processing via standard UHF or unique Long Range Bluetooth base and rover systems, to complex RTK and CenterPoint RTX capable rover solutions.

Combining all-signals-tracking and processing Z-Blade GNSS-centric technology and L-band capability for satellite-delivered CenterPoint RTX service, the SP60 provides supreme measurements and accuracy under any conditions.

### **Key Features:**

- Extended Survey Scalability
- New 240-Channel 6G ASIC
- Z-Blade GNSS-Centric
- CenterPoint RTX Capable Rover
- Internal TRx UHF Radio
- Long Range Bluetooth
- Anti-Theft Protection

**Robotic  
Total Stations**



**FOCUS 35**

**Underground/  
Magnetic Locators**



**DML2000-XR**

**Mechanical  
Total Stations**



**NPL-322+**

**GNSS  
Receivers**



**SP80**

## Locations:

Ambridge, PA: 724.266.1600  
Columbus, OH: 614.759.1000  
Cincinnati, OH: 513.539.0022  
Akron, OH: 330.633.4900  
Charleston, WV: 304.776.1831  
Bridgeport, WV: 304.933.3036



Dunham & Morrow, Inc.



**Shop Online!**  
[laserinst.com](http://laserinst.com)



"We're focused on YOU!"

## Cleveland Chapter's Delegate Report

*\*The report included herein is offered only as informational to the members of the Cleveland Chapter. The reader is deferred to the approved minutes of the P.L.S.O. for any clarifications\**

Thursday October 8, 2015

- Meeting called to order about 5:30 PM at the Kalahari Resort in Sandusky
- It was determined that a quorum was present (16 voting members)
- Secretary's minutes for the September 2015 meeting were passed by a motion.
- Treasurer report for September 2015 were accepted for financial review.
- Motions were passed to accept the membership of 5 Professional, and 4 Students.
- The November 2015 and the January 2016 executive board meetings will be held at the CEO office. Melinda Gilpin and the executive board are continuing to look at potential sites for future meetings



**George Hofmann**  
Delegate

### Committees

- Political Action committee balance at the end of September 2015 was \$3,570.35.
- Newsletter is currently scheduled to be mailed the first week of November
- NSPS: Bob Akins reported that NSPS was currently holding there conference in conjunction with our Fall Conference and that there were 80+ members in attendance.
- Future workshops to be held : 1 in the Cleveland area, 1 in Chillicothe, and 2 in the Columbus area. Please visit the state web site for further details .
- Membership: Updated Potential drop list was passed out .
- The September 2015 List had 18 members of the Cleveland Chapter listed. President – Elect. Steve Metcalf sent reminders to these individuals and we currently now only have three members on the October list.
- Finance Committee: George Hofmann introduced the proposed budget for the 2016-2017 Fiscal year. The executive board will vote at the November meeting to send this to the membership for ratification at the Annual Conference in Feb. 2016. The financial review of the October treasurer report was not complete at the time of this meeting and will be reported on at the November meeting.
- Nominations for officers: President Elect reported that the nominations for 2016 officer are

Ken Taylor, President  
Charlie Harkness, President Elect  
Don Pickenpauugh, Secretary  
Robert Patridge, Treasurer

Ken also asked for nominations for "Member of the Year" and " Surveyor of the Past".

Brief summary's were given on Chapter delegates reports.

President McCall thanked all for attending and closed the meeting

Meeting adjourn about 6:15 PM

Respectfully submitted,

George A. Hofmann  
2015 Cleveland Chapter Delegate



## NEXUS "Surveyors" Update

The saga continues over a natural gas transmission line project through Ohio. Medina County is where all this news is coming from. This past month a court granted the pipeline company permission for its surveyors to enter upon private property.

A quote from the below linked article:

*...Ohio laws allow private companies to survey land for eventual appropriation as long as they can prove they are energy or utility companies. The NEXUS Natural Gas Transmission Pipeline — proposed by Houston-based Spectra Energy Corp. — falls under the blanket of the law...*

<http://chronicle.northcoastnow.com/2015/10/07/medina-county-judge-grants-nexus-pipeline-surveyors-access-to-private-properties/>

The link below is for an anti-pipeline organization that appears to be an Arizona organization. Their message is to be combative with the messenger/worker instead of with their employer.

<http://nopipelies.org/dealing-with-surveyors/>

## Cuyahoga County GIS

The new GIS website the county rolled out last year now has a convenient address:

[maps.cuyahogacounty.us](http://maps.cuyahogacounty.us)

# Jake's Stakes

## SURVEYING and CONSTRUCTION STAKES

**High quality, light colored, HARDWOOD and smooth**

### MARKER STAKES

18" x 1 5/8" x 1/2"	Bundle of 50
24" x 1 5/8" x 1/2"	\$0.18 ea
30" x 1 5/8" x 1/2"	\$0.22 ea
36" x 1 1/2" x 7/16"	\$0.26 ea
48" x 1 1/2" x 7/16"	\$0.30 ea
48" x 7/8" x 1/2"	\$0.38 ea
	\$0.28 ea

### SQUARE HUBS

12" x 2" x 2"	Bundle of 25
18" x 2" x 2"	\$0.26 ea
22" x 2" x 2"	\$0.34 ea
	\$0.38 ea

### WEDGES HUBS

22" HUB MARKER	Bundle of 50
9"	\$0.14 ea/Bundle of 100
12"	\$0.15 ea
	\$0.17 ea

### METAL REBAR RODS

Available Any Length Call for \$

**NO ORDER TOO SMALL or TOO FAR**

**LARGE INVENTORY**

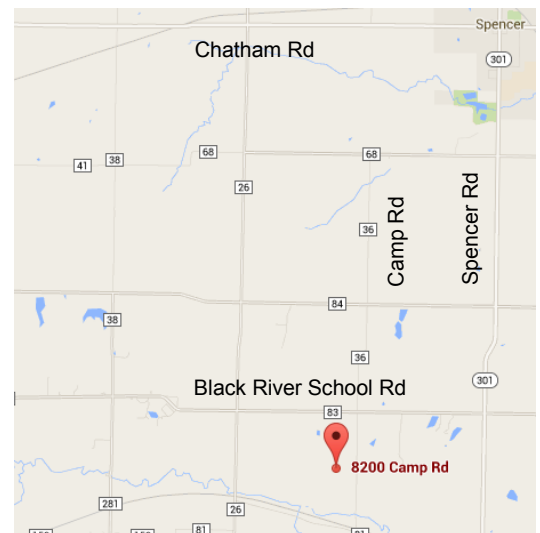
**ORDERS FILLED RAPIDLY!**

**FREE DELIVERY ON LARGE ORDERS**

**IF WE DON'T HAVE IT - WE MAKE IT!**

**AMISH MADE**

8200 Camp Road Homerville, Ohio



**DELIVERY AVAILABLE : CALL Dwight at Spencer Feed & Supply 330-648-2111**

**or Dwight's Cell: 330-421-2596**

## Chapter Area CPD Opportunity



### **Cleveland Area CPD Workshop:** **Registration opens for all Fall Workshops** **on Oct. 1, 2015**

see PLSO website for details after Oct 1



#### **Monday, November 16**

8am - 5pm (8 total CPD hours)

##### **Location:**

Cleveland Airport Marriott  
4277 West 150<sup>th</sup> Street  
Cleveland, OH 44135

##### **Schedule:**

8am - 12pm

Survey Pro Technology, Tips and Tricks -

Mike Painter, Precision Laser and Instruments in cooperation with Spectra Precision

12 - 1 LUNCH (included for all day registrants ONLY)

1pm - 5pm

"Captive" and New "Learning" Total Stations -  
Alex Cherchian, Leica Geosystems



##### **Registration Information:**

PLSO Member Rates:

Morning only   **\$80** (includes morning refreshments, CPD form, does NOT include lunch)

Afternoon only   **\$80** (includes afternoon refreshments, CPD form, does NOT include lunch)

All Day         **\$150** (includes all day refreshments, lunch, and CPD form)







**Aerocon Photogrammetric Services Inc**  
*Dedicated to providing quality photogrammetric services since 1967*

- **Aerial Photography**
- **Digital Orthophotography**
- **Digital Topographic Mapping**
- **Analytical Triangulation**
- **DTM/DEM Surface Generation**
- **LiDAR**
- **Airborne GPS**
- **GIS Services**
- **Volumetric Inventories**

4515 Glenbrook Road  
 Willoughby, OH 44094-8215  
 440.946.6277  
 440.946.2646 Fax  
 e-mail: [skymap@aerocon.com](mailto:skymap@aerocon.com)  
[www.aerocon.com](http://www.aerocon.com)



## Golf Outing Wrap-up

All enjoyed the new venue at Springvale Golf Course in North Olmsted, Ohio. The revised format of 4-man Scramble with a modified shot-gun start was well received by the forty plus golfers who attended this year's event. The course was in great shape and our host did a fine job with the lunch packages and Steak dinners.

We added a "Putting for the P.A.C." event this year which brought in \$140.00. Next year we hope to make the event a little more competitive and also bring in even greater revenues. The door prize gift packages were greatly appreciated. Everyone received a cooler with water bottle, tees, marks and a sleeve of logo golf balls. 11 of the 18 holes were sponsored by many of our local suppliers, vendors and consulting firms. We wish to thank each of them for their support.

We wish to thank our volunteers, the girls who worked the money hole, the gift distributions, the registration desk and keeping the beer cart moving!

Financially we met our budget with one consideration. Addition funds were spent on the gift packages which saved a considerable amount on the unit costs. This provided a reserve of gift packages for the next year's event. While the turn-out is a little disappointing, we feel that the change in venue and format was very well received and the word is out! Next year our turn-out is hoped to be greatly increased.

While we all have been very busy in the office and field for this 2015 season we all hope for yet another year of successes in business this coming year. We also hope that we all can take a little time next June to get together, share some experiences, play a little golf and just take a break for a day to catch our breath! Starting after the New Year, I will begin to send out save-the-date reminders for next year's outing.

Speaking for myself and all who contributed time and funds to make this year's event a success, I wish to personally thank everyone for your help and I'm looking forward to next year's outing!

Thomas M. Snezek, P.S.  
 Golf Outing Chairman

## Executive Committee Meeting Highlights

October 22, 2015



**Mike Kral**  
Secretary

Neff & Associates: 6405 York Road, Parma Heights, OH 44130

In attendance: Steve Metcalf, George Hofmann, Tim Feller, Michael Kral, Bob Kreider.

Meeting called to order at 6:05 p.m.

### Chapter Delegate:

George Hofmann-Delegate attended the meeting at Kalahari Resort held during the PLSO Fall Seminar. The PAC fund balance was revised to reflect the Cleveland Golf Outing contribution. The State PLSO newsletter is to be published and released the first week of November. The 2016 annual PLSO meeting is to be held in Dayton. Bob Adkins pursuing continuing the CST program in Ohio. Four workshops are planned for 2016, 2 held in Columbus, 1 in Cleveland, and 1 in Chillicothe.

### Committees:

#### Membership Committee:

The list includes 3 drops from the Cleveland Chapter

#### Elections:

We are still in search of a candidate for President-Elect. Ballots are only necessary for positions that are going to be contested.

### Old Business:

The Cuyahoga County office is still looking for a surveyor to fill the open position.

Meeting Adjourn 7:05

## Cleveland Chapter of PLSO 2015 Calendar

Chapter Executive Meetings are held 6 p.m. at the office of: Neff & Associates at 6405 York Road, Parma Heights and are open to all PLSO members who want to attend.

**Nov 5** Seminar Meeting

<b>Nov 13</b>	PLSO Executive Meeting
<b>Nov 17</b>	Chapter Executive Meeting
<b>Dec 14</b>	Chapter Executive Meeting (if needed)
<u>2016</u>	
<b>Jan 8</b>	PLSO Executive Meeting
<b>Jan 11</b>	Chapter Executive Meeting
<b>Jan 13</b>	Cleveland Surveying News deadline
<b>Jan 28</b>	Annual Meeting