



Cleveland Surveying News

September 2015

- NEXUS Land Surveying
- Straub's Side
- Random Lines

Cleveland Chapter

Professional Land Surveyors of Ohio

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Cleveland Surveying News

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Publisher: Robert Hoy

Columnists:
John Dailey, PS
Scott Casey, PS
Michael Straub, PS

Cover Photographer:
Robert Hoy, PS

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Cleveland, OH 44181-0713

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General Meeting

Thursday September 3

Location: **Canceled**

When: **Canceled**

This meeting has been canceled by the Executive Committee.

Look for October meeting information to be announced.

Basis of Bearings Statement(s)

The top two notes (at right) go together from the same set of right of way plans. These and the other basis of bearings statements were taken from document signed and sealed by an Ohio licensed surveyor.

What's wrong with these notes?

•CSN

BASIS FOR BEARINGS:

ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY.
BEARING OF N 13°08'45" W ON THE CENTERLINE OF
S.R. 800 (CLEVELAND AVENUE) FROM P.O.T. AT STA.
373+00 NORTH TO FAIRCREST AVENUE STA. 387+14

PROJECT CONTROL

NAD83(86) OHIO STATE PLANE, NORTH ZONE
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COMBINED SCALE FACTOR: 0.99991005

ALL COORDINATES LISTED ARE PROJECT
GROUND COORDINATES. TO CONVERT TO
STATE PLANE GRID COORDINATES, APPLY
THE COMBINED SCALE FACTOR LISTED ABOVE
TO THE GROUND COORDINATE LISTED.

**BASIS OF BEARINGS: CENTERLINE SURVEY PLAT OF
RELOCATED PERKINS STREET AS RECORDED IN P.B.
111 PG 69 AND 70 SUMMIT COUNTY RECORDS.
BEARINGS ARE REFERENCED TO THE OHIO STATE
PLANE COORDINATE SYSTEM(NORTH ZONE) NAD 83.**



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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

Friday July 10, 2015

Meeting called to order about 6:01PM

- It was determined that a quorum was present
- Melinda Gilpin - State Executive Director was present.
- Secretary's minutes for the May 2015 meeting were passed by a motion.
- Treasurer report for May and June 2015 were accepted for financial review.
- Motions were passed to accept the membership of 3 Associates, 1 Affiliate and 1 Retired Member.



George Hofmann
Delegate

The State Board of Registration for Professional Engineers and Surveyors has issued an opinion on the need to set pins when performing an ALTA/ACSM Land Title Survey. Please be advised that in Ohio ALTA/ACSM Land Title Surveys are considered to be boundary surveys and must be prepared in accordance with Ohio Administrative Code 4733-37 Minimum Standards for Boundary Surveys. Specifically, when performing an ALTA survey, boundary monuments and reference monuments must be set in accordance with OAC 4733-37-03. Despite the wording in the ALTA/ACSM Minimum Standard Detail Requirements, setting boundary and reference monuments is not optional. Should the Board become aware of violations of the Minimum Standards for Boundary Surveys the Board will initiate an investigation which may result in the Board pursuing disciplinary action within its power to enforce the requirements of Chapter 4733 of the Ohio Revised Code.

- Political Action committee balance \$3,339.35.
- Historic review: Ohio Valley Days was June 6th and 7th at Fort Stueben. Bob Akins, Don Pickenpaugh, Melinda Gilpin and family attended and volunteered their time at the surveyors Block house.
- Trig Star winners were announced:
 - First Place **Joseph Work** (Kirtland High School) \$250.00 prize
 - Second Place **Emily Haines** (Kirtland High School) \$125.00 prize
 - Third Place **Angela Brekalo** (Kirtland High School) \$ 75.00 prize
 - Fourth Place **Gyumin Kwon** (St. Edward High School) \$50.00 prize

This year there were three chapters giving tests to five schools.

Those interested in getting their local High School involved should begin making contacts with them as soon as possible. If you need to know what's involved contact Peter Zwick, he has been responsible for getting St. Edward involved over the past few years.

- Future workshops will be held : 11-02-2015 and 11-20-2015. See web site for topics and registration forms.
- Representative Blessing will introduce a Bill requiring mandatory Ethics (2 hours per cycle), CPD from other states will be accepted.
- Education Committee: Ann Besch has been contracted to teach at the University of Akron for one year while they make their search to replace Mike Besch.
- Finance Committee: George Hofmann reported that the April, May and June financial statements have been reviewed and are in order.
- Scholarship Committee: Rocky Lomano reported on the recipients for the 2015 scholarships
- All received \$1000.00, Eric Chocie (Cincinnati State), Adam Lipps (OSU), & Kyle Parker (OSU)

(Cont'd on Page 7)



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Delegate Report (from Page 5)

- Scholarship : Bob Akins has again purchased a Frontier Carbine "Evil Roy" Edition Rifle to raffle off at the 2015 Fall conference. Contact Tom Snezek to purchase tickets. We will have these tickets available at different chapter events up until the conference. Only 500 tickets will be sold.
- Brief summaries were given on Chapter delegates reports.

Melinda Gilpin asked that all changes in e-mail address, phone numbers , etc. be directed to the PLSO office by email.

Stephen McCall asked that all chapters put together goody bag for the NSPS conference. Items should be OHIO specific.

Meeting adjourn about 7:35 PM

Respectfully submitted,

George A. Hofmann
2015 Cleveland Chapter Delegate

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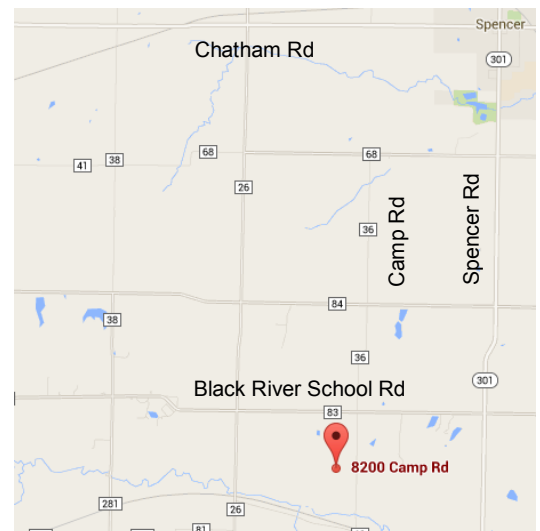
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Straub's Side

by Michael Straub, PS

The Business of Surveying

"Be careful out there! It's crazy!"

Having started my business 10 years ago, and managed at other firms since the early 90's, I've experienced the ups and (mostly) downs of the cycles of the northeastern Ohio economy. A few surveying businesses did not make it. A couple of start-ups failed. The large firms of the 90's slashed their staffs to a bare bones crew. Slow winters caused a few sleepless nights. John Dailey mentioned this in one of his articles many years ago and gave some good suggestions as to how to handle these cycles.

Work is slow no more! Surveying companies are hiring – or at least trying to do so. We've increased our staff from three to eight in two years and still need more good help. I know of others that have experienced similar growth and are having similar hiring challenges. That's a good thing, but it certainly can be frustrating.

In the April edition of Casey's Corner, Scott mentioned our dwindling numbers. I concur. But all is not lost. I've had success with an Akron-trained student, a couple of Miami grads and an OSU grad. Those last three are not from survey programs, but have shown interest in returning to school to be able to get their licenses. These youngsters do have a penchant for technology. Our company is not alone in searching alternative paths. One of my competitors has been successful looking in the architecture and mechanical engineering fields. They've grown from five to fifteen in just a few years. We have to look under all the rocks.

Emerging technologies are ever changing and that affects the business decisions we have to make. What to invest in, if at all? As most of you know, we went the laser scanning route. We were lucky – we were referred by one of our existing clients to a new client who needed the service. That first project enabled us to make that investment with little risk.

(Cont'd on [Page 9](#))

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

Straub's Side (from Page 8)

What's the next investment? Mobile lidar? UAV lidar or photogrammetry? A robotic total station that also does laser scanning? Additional software? Make that decision based on your current clients and type of work. Add another tool to the tool box that will help you expand your services to existing clients, and then you can more easily sell that service to new clients.

Side note – I mentioned being lucky above. I truly believe Luck is when Preparation meets Opportunity. We had done our due diligence in scanning – having read most every article available, and therefore were familiar with the technology when “the phone call” came. We were able to speak intelligently on the subject to the new client.

Back to the economy. Most, over 85%, of the projects we've been involved with over the last 10 years have been either government-funded or medical-related. Roads, libraries, schools, RTA, and hospitals. One interesting fact I've notice over the last two years, however, has been the influx of private dollars. I think that is a good thing. So, we need to figure out how to take advantage of what's happening out there. We all have good ideas as to how to grow our businesses.

As Walt Disney once said, *“The way to get started is to quit talking and start doing.”*

Good advice. Be safe out there.



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Random Lines

by John Dailey, PS

WE HAVE LOST OF OUR OWN:

Richard R. (Rit) Krause, Sr. has died. He was the owner of Frank B. Krause and Associates. the second President of the Cleveland Chapter and Surveyor of the Year in 1988. Besides being a good Engineer and Surveyor, he was a strong supporter of the Surveying profession and of the Chapter in its early years. He was very open and helpful to anyone who sought his assistance.

We have lost a good friend. Our deepest condolences go out to Carol Ann and the entire Krause family.

ALTA/NSPS SURVEY NEWS:

The State Board of Registration recently issued a ruling concerning ACSM/ALTA Land Title Surveys. There seems to have been some confusion as to what constitutes a boundary survey. The State Board unequivocally states that an ALTA/NSPS Survey is a boundary survey according to Ohio State laws.

ALTA, ACSM and NSPS NEVER meant for these standards to abrogate State and/or Local standards of practice.

The fly in the ointment is the client/attorney/title person overstepping their bounds and requesting that you, the Surveyor, ignore your state laws to save them a couple of bucks. They want you, the Surveyor, to take on all the liability. **DON'T DO IT!!!**

In August, 2009, I wrote a column for CSN about certifications. Maybe it is time to reprint that column.

BAD RAP:

There is a major fight brewing in our surrounding counties revolving around the proposed Nexus Pipeline **ACROSS** Ohio and Michigan and on into Canada. The company wanting to build that pipeline is trying to force their way onto private property to "investigate" their possible route. Summit County Judge Margaret Rowlands refused to grant the pipeline company an injunction that

would allow the company representatives (Surveyors) access to the privately owned land even if the property owner objected. I am happy that Judge Rowlands made the correct call on this issue. The Nexus company attorneys referred to a ruling made by the U.S. Appeals Court in Southern Ohio that granted the company's request. The Appeals Court erred in their judgement and in their definition of a "public utility."



John Dailey, P.S.

The Judges of the Court of Appeals should go back and re-read the 4th Amendment to the U.S. Constitution. Using the Appeals Court ruling, some private, for profit company, can come up and knock on your front door, say they want to "investigate" your home to see if they want to buy it and you could not refuse them. The Court erred big time

The property owners involved have a major problem because they have to defend their Constitutional rights to enjoy their property without interference. One group of Surveyors even showed up with an armed off duty Sheriff's Deputy to try to force their way onto the property. I believe this is call intimidation. **We Surveyors are being portrayed as the bad guys.**

I am a little surprised that the Surveyors in Ohio have remained silent on this issue. A small number of Surveyors, possibly even some from Ohio, may profit from this project. The rest will suffer from the very bad publicity. Go back and look at the oath you took at your registration ceremony. You swore to "protect and defend the health, safety and welfare" of the citizens of Ohio. We Surveyors should know better than almost anyone else what the property owners rights are. Maybe the Surveyors should file a "amicus curiae" (friend of the Court) brief in support of the property owners.

Going back a large number of years to a point when I was employed by the East Ohio Gas Company, we were designing a major cross country natural gas transmission line. Before we set foot on any property, we used aerial photographs, aerial topography and any other information available to pick our route, determine who would be affected and who we had to negotiate with. By the time our

(Cont'd on Page 12)



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Random Lines (from Page 10)

Survey Crews went into the field, we had working agreements. We also had no irate property owners stopping us. The major difference between what we did and what Nexus is doing is that our pipeline would benefit the local communities. We were not just transporting gas across two states to Canada.

IN STORAGE:

Where does the statue of Moses Cleaveland sleep tonight? After watching over his namesake since 1888, He is "in storage." Now he is "in storage." Probably the out of town planners decided he was too old to be seen. Another "in storage" statue that used to be in Cleveland, that of Oliver Hazzard Perry, now resides in Perrysville outside of Toledo.

John Dailey, Past
jdailey@sbcglobal.net

NEXUS Land Surveying

Mr. Dailey mentioned the NEXUS pipeline land surveyors in his article. When's the last time you watched a TV news segment that mentioned land surveying? Here are links to different news articles on this controversy in Medina County.

<http://www.wkyc.com/story/news/local/medina-county/2015/05/08/nexus-pipeline-medina-county-couple-we-shoot-to-kill/70994380/>

<http://www.gasandoilmag.com/gas%20&%20oil/2015/08/11/surveying-is-focus-of-nexus-dispute>

http://www.cleveland.com/akron/index.ssf/2015/08/summit_county_court_rejects_ne.html

This is related to the "No Pipeline, No Surveys" sign photo we published earlier this year. As a note, survey crews working on the NEXUS project have worked on properties in other counties in Ohio. A TV news crew requested to follow a land surveying crew as they worked on the project; however, NEXUS declined claiming property owner privacy.



Cleveland Property Inventory

City of Cleveland sending crews making inventories of parcels labeling their workers doing "Property Survey"

Photo courtesy of Steve Metcalf

Executive Committee Meeting Highlights

July 9, 2015 at 6:30 PM



Mike Kral
Secretary

Mavis Winkles – Crowne Centre 5005 Rockside Road, Independence OH, 44131

Chapter Delegate:

Nothing to report, the state meeting not yet held, to be held on July 10th.

Committees:

Membership Committee:

New members: Jeff Green P.S. and Graham Ewing Student Chapter member

Newsletter Committee:

Robert Hoy to step down from publishing the newsletter
Surveyor Spotlight, Steve looking for a candidate

Website Committee:

Dino Lustri is upgrading the website for more security and way to organize the scanned in surveys.
We still need a person to scan in the donated surveys onto the site.

Program Committee:

Golf Outing: The Golf outing was well attended, and received good remarks on the venue selection and the food served.

Education/Scholarship Committee:

Trig*Star: St. Edward's was the only participating school.
Scholarships: The two scholarships were awarded at the diner.

Finance:

The unbalanced budget was justified because money has been diverted to the web site and scanning of records in a high quality manner. These are long term benefits for the benefit of all in the organization

Elections:

Vacancies: Steve Metcalf will be serving as President through the end of year, then stepping down to pursue a teaching position at the University of Akron for a period of time. Please step forward if you would like to serve as the PLSO president.

Volunteers to help with the PLSO are Mike Straub and Louise Veverka

Old Business:

Seminar under consideration Precision Laser conduction a TDS software class worth 4.0 phd credits, Mike Painter teaching. Carlson Class by Tom Peak covering CAD and the Surveyor concentrating on Carlson software.

Meeting adjourned at 6:57

June Golf Outing Photos courtesy of Steve Metcalf



Bill Welsh's survey vehicle,
including golf clubs.

Handouts for golfers.



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Executive Committee Meeting Highlights

August 17, 2015



Mike Kral
Secretary

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

Meeting called to order at 6:00 p.m.

In attendance: Steve Metcalf, George Hofmann, Tim Feller, Tom Snezek, and Michael Kral.

Chapter Delegate:

George Hofmann-Delegate attended the meeting in Columbus on July 10, 2015 .

The State Board of Registration for Professional Engineers and Surveyors has issued an opinion on the need to set pins when performing an ALTA/ACSM Land Title Survey.

Please be advised that in Ohio, ALTA/ACSM Land Title Surveys are considered to be boundary surveys and must be prepared in accordance with Ohio Administrative Code 4733-37 Minimum Standards for Boundary Surveys. Specifically, when performing an ALTA survey, boundary monuments and reference monuments must be set in accordance with OAC 4733-37-03. Despite the wording in the ALTA/ACSM Minimum Standard Detail Requirements, setting boundary and reference monument is not optional. Should the Board become aware of violations of the Minimum Standards for Boundary Surveys the Board will initiate an investigation which may result in the Board pursuing disciplinary action within its power to enforce the requirements of Chapter 4733 of the Ohio Revised Code.

Trig Star winners are:

1st place: Joseph Work (Kirtland High School) \$250.00 prize.

2nd place: Emily Haines (Kirtland High School) \$125.00 prize.

3rd place: Angela Brekalo (Kirtland High School) \$75.00 prize.

4th place: Gyumin Kwon (St. Edwards High School) \$50.00 prize.

Melinda Gilpin requested that all changes to personal contact information, e-mail, phone numbers etc. be directed to the PLSO office by E-mail.

Committees:

Membership Committee: Josh Carpenter - New Member

Newsletter Committee: Robert Hoy's last CSN will be published January 2016.

Website Committee: Dino Lustri working on 2015 upgrades

Program Committee:

Golf outing was a success and some changes are to be pursued by Tom Snezek for next year's outing.

A CPD class/seminar held by the State at either The Holiday Inn Rockside Rd or Beachwood location is being considered.

Elections: The chapter is looking for nominations for a President-Elect



This ever happen to you?

Only two and a half years ago, this half inch diameter rebar was set as a control point. This is in grass but in the area of a railroad but not on railroad property. This is all that was found of this rebar. The cap was set at ground level, but everything else is the ground disintegrated.

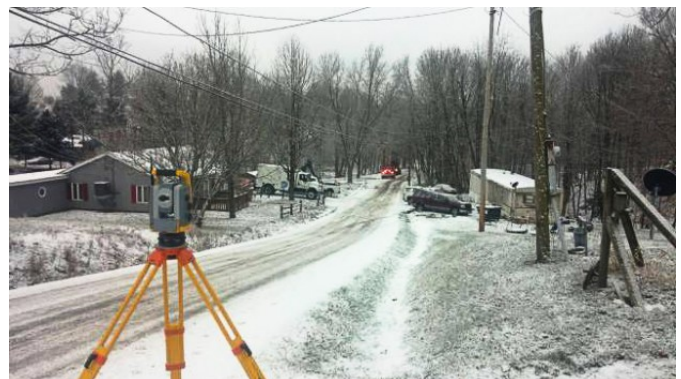
One other time this has happened was to property pins, set in a steel plant that needed to be pulled due to split line changes, and the pins looked like a melting candle if you turned them upside down.

What's the common element? Slag? Could be one reason pins are difficult to find along a railroad right of way.

More control point/monument write ups next month.

•CSN

Enjoy this last blast of summer. Before you know it, we'll be in the grips of another cold winter. Long range forecasts are for cold and snowy weather.



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.

- Sep 3** ~~Meeting TBA~~
- Sep 11** PLSO Executive Meeting
- Sep 14** Chapter Executive Meeting
- Sep 18** Cleveland Surveying News deadline
- Oct 1** Meeting TBA

- Oct 8** PLSO Executive Meeting at Fall Seminar
- Oct 12** Chapter Executive Meeting
- Oct 23** Cleveland Surveying News deadline

- Nov 5** Meeting TBA
- Nov 13** PLSO Executive Meeting
- Nov 17** Chapter Executive Meeting

- Dec 14** Chapter Executive Meeting (if needed)

2016

- Jan 8** PLSO Executive Meeting
- Jan 11** Chapter Executive Meeting
- Jan 13** Cleveland Surveying News deadline
- Jan 28** Annual Meeting