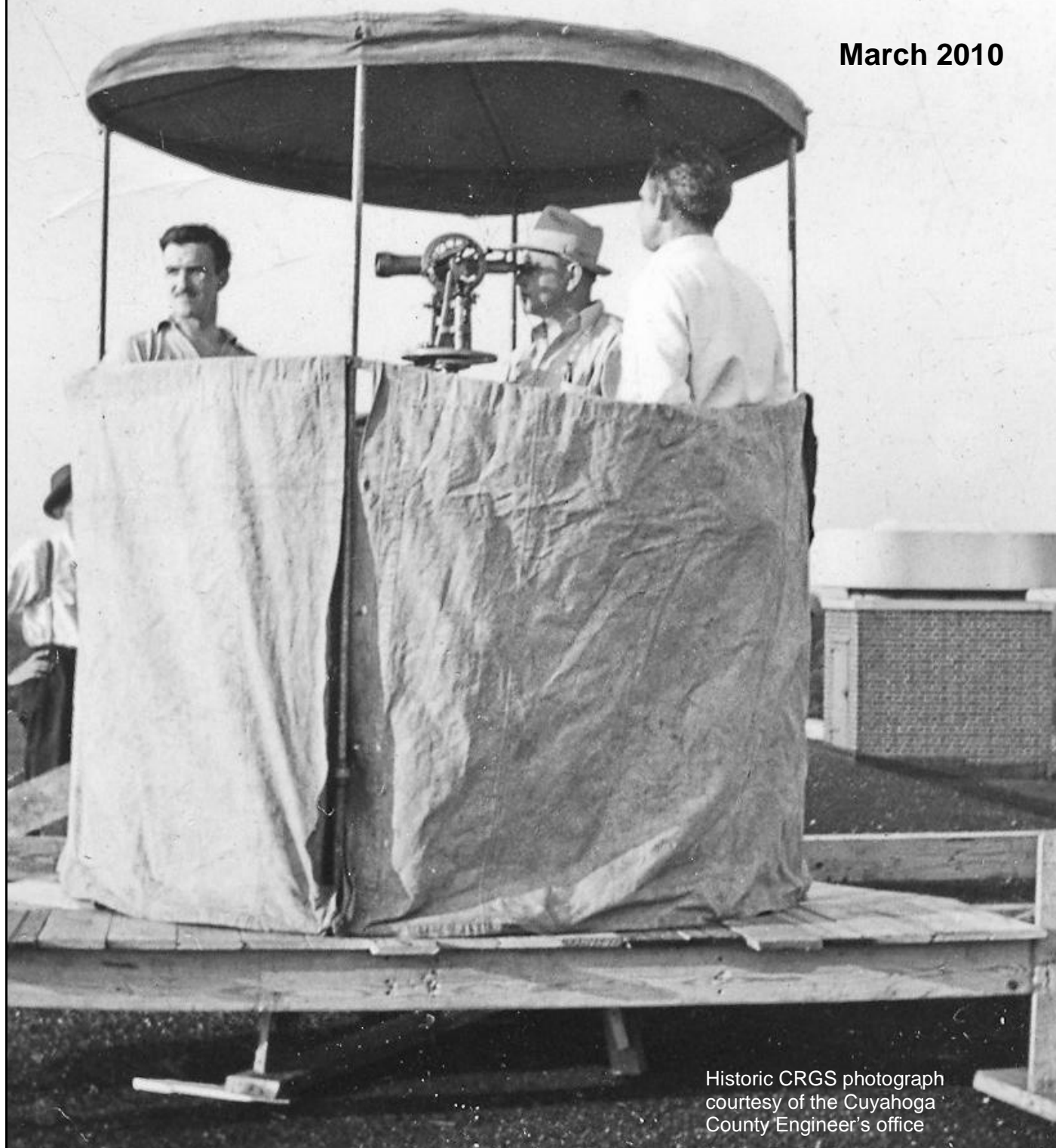


Features

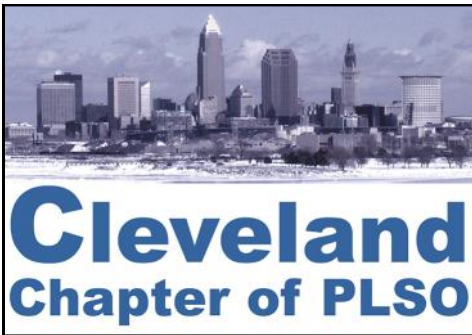
- Spring Cleveland CPD Seminars
- New 2010 Officers
- 2011 Annual Conference Info

Cleveland Surveying News

March 2010



Historic CRGS photograph
courtesy of the Cuyahoga
County Engineer's office



P. O. Box 81713
Cleveland, OH 44181-0713

Volume 9, Issue 1 Distribution: 236

Editor: Robert Hoy, P.S.
 Website: Rob Krause, P.S.
 Proof: John G. Hoy, P.S.

2010 Advertising Rates:

Full page: 9.8"h x 7.3"w \$400 yr.
One-half page: 4.8"h x 7.3"w \$200 yr.
One-sixth page: 3"h x 3.6"w \$80 yr.
 Single Issue Full Page: \$100

Contact: Robert Hoy, k666@cox.net

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*Recalling the motivation for this chapter's existence and the response we've had to date, our motto should be -
 "United we stand, divided we perish."*

- William J. Haas, 1974

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President's Message

[Cleveland Surveying News - March 2010](#)

February 10, 2010

"Doot, doot, doot, lookin' out my backdoor...." or so goes the old CCR song that's playing now. Yes, it's mid February and I'm watching the snowfall out my backdoor as I write this prior to my departure for the PLSO Annual Conference in Cincinnati. My neighbor, Larry, stopped by yesterday and reminded that the days are getting longer, the sun is getting higher, and the snow melts a little faster. That's a good thing – since Cleveland's not hosting the Winter Olympics. Soon spring fever will hit, the phone will ring a little more often and I'll get out of my annual winter hibernation. I was fortunate to have a good year last year and was able to sit on my duff a bit this winter. I *know* that's not a good thing for business. I know I should be marketing a bit more, entertaining some clients, organizing my business files and getting ready for a great 2010. I'll do that when I get back from Cincy!



I've always enjoyed the Annual Conference. There is the obvious benefit of attending the seminars. You also realize that your concerns are the concerns of many just like you – no matter where you are in your career. I enjoy the camaraderie, the picking-of-brains of others, and especially the re-charged feeling I have when it is over.

Speaking of the Annual Conference, our Chapter's John Hoy is busy planning the 2011 shindig in Cleveland. The hotel contract is in place and speakers and agenda are being evaluated. I look forward to John's presentation in Cincinnati.

Another item on the agenda for the Chapter this year includes looking for volunteers (do I hear hands raising?) for scanning and indexing (if needed) the surveys of local surveyor Rick McCann, who is retiring. What a great addition to the Data Bank! If your company has not purchased the two DVDs currently available from the Chapter, I highly recommend you do so. What a job-saver (let alone my hair) they were last year when I was able to quickly find an old railroad land acquisition map that clarified many of the legals I was reviewing.

We will also be forming our first Cleveland Chapter Scholarship Committee, thanks to the hard work put in last year by Bob Papotto who researched and wrote the language for the Chapter.

Finally, my thanks to Past President Tim Feller for making this an easy transition. I look forward to working with new officers Dino Lustri and Chris Tomko as President-Elect and Education Trustee, respectively, as well as our other current officers. And, also, a big thanks to Scott Casey for running for office this past election.

Let's all work hard for a prosperous and healthy 2010!

[Michael Straub, P.S.](#)

Chapter President

Spring CPD Seminars

(locations vary, see details)

Pizza & soft drinks provided

Registration & Pizza: 6:00, Program: 6:30-8:00

We're trying different locations and format this Spring for a change.
Proceeds from these seminars goes towards our Scholarship efforts.



Eric Short
 Program Trustee

March 4

Topic: Photogrammetry & office tour - 1.5 PDH's

Speaker: Al Hutosky

Location: Aerocon Headquarters: 4515 Glenbrook Road, Willoughby ([Map](#))

April 1

Topic: Laser Scanner demonstration and its software and its influence in today's industry - 1.5 PDH's

Speaker: Representative from TGPS

Location: Cuyahoga County Engineer's Test lab Facilities at 2433 Superior Viaduct, Cleveland
 free parking with security camera surveillance ([Map](#))

May 6

Topic: Proper instrument maintenance for storage, adjustment, and repair - 1.5 PDH's

Speaker: Joe Karoleski

Location: Roberts Surveying Supplies: 5758 Ridge Road, Parma ([Map](#))

(Continued on Page 5)



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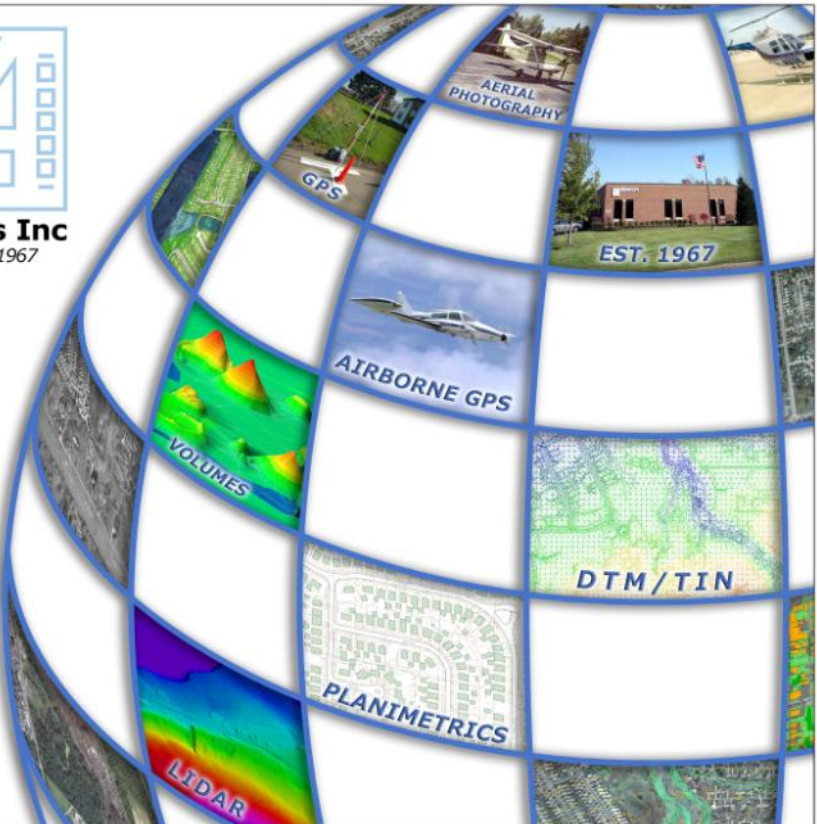
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Spring CPD Seminars

[\(Continued from Page 4\)](#)

Single Seminar: PLSO Members \$15.00 Non-Members \$50.00

☐ March ☐ April ☐ May

☐ **Subscription to all 3: PLSO Members \$30.00**

Spring 2010 CPD Seminar Subscription Form

Sponsored by the Cleveland Chapter of the Professional Land Surveyors of Ohio, Inc.

Registration is required in advance (for food order)

Deadline for registration for the March meeting and the *Spring Subscription* is **Tuesday March 2nd.**

Total Amount Enclosed: \$ _____

Name(s) _____ Phone Number _____

Email _____ Address _____

Company _____ PLSO Member ? Yes No

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Eric Short, PLSO Program
817 Sandlewood Drive
Elyria, OH 44035-1829

Editor's Notes

[Cleveland Surveying News - March 2010](#)

Geoshack joins the Cleveland Surveying News advertisers this year. Jake's Stakes is also back with a new address and phone numbers.

This is a good time to go over what the *Cleveland Surveying News* has to offer. It's been a while since I explained what is in every issue. The CSN is designed for internet based, on-screen viewing.

- The blue "[Cleveland Surveying News - March 2010](#)" atop every page, except the cover, is an in-document hyperlink back to the Table of Contents (page 2).
- Blue underlined person's names and email addresses are hyperlinks that will launch your default email program and start a composition to that person or address.
- Other blue underline text is hyperlinks to websites. Most commonly is an interactive map to our CPD seminars and to web pages of an extremely long address that few would bother to enter by hand.

Monument Boxes

I need more photos of any "problem" monument boxes noting which street(s) they are on and in which city, village, or township. Problems with monument box access, box/rim condition, and the monuments within the box.

k666@cox.net

New 2010 Officers



Dino Lustrì
President-Elect

Dino has been working in the Surveying, Engineering and Construction fields for over twenty years. After his first job as a rodman with Bill Haas in 1989, Dino attended The Ohio State University where he graduated with a B.S.C.E. After working many years in the industry Dino continued his education at the University of Akron to attain his Surveying Certificate.

He is currently employed as an Application Engineer with IMAGINiT Technologies. In addition to being used as a professional witness in court cases, Dino performs civil engineering and surveying consulting services through his company, D.L. Engineering, L.L.C. Dino is married to his wife Paola, and has two children, Victoria (2 yrs) and Nicholas (3 mos.).

Chris is a 1994 Cleveland State Graduate in Civil Engineering and obtained PE license in 1999 & PS license in 2003. He has been employed with R.E. Warner & Assoc. Inc. since 1994 and Survey Department manager since 2006. His primary survey focus is on large construction projects such as Cleveland Museum of Art, University Hospital's Cancer Center and Ahuja Medical Center.

Chris resides in North Olmsted with wife Laurie, 8 yr old daughter Brooke and 7 yr old son Taylor. Interests outside of work include golf, skiing, and biking. He is a North Olmsted Soccer Organization (NOSO) assistant coach for Brooke and Taylor and Shot-Link Volunteer for Bridgestone World Golf Championship held at Firestone Country Club.



Christopher Tomko
Education Trustee

Random Lines

by John E. Dailey, P.S.

I received this some time ago from Bill Vondra. For you youngsters who do not recognize the name, Bill is a PS and a Charter Chapter Member. I thought it would be of interest to you.

What it took to get an 8th grade education in 1895.

Remember when grandparents and great-grandparents stated that they only had an 8th grade education? Well, check this out. Could any of us have passed the 8th grade in 1895? This is the eighth-grade final exam from 1895 in Salina, Kansas, USA. It was taken from the original document on file at the Smokey Valley Genealogical Society and Library in Salina, and reprinted by the Salina Journal.

Grammar (Time, one hour)

1. Give nine rules for the use of capital letters.
2. Name the parts of speech and define those that have no modifications.
3. Define verse, stanza and paragraph
4. What are the principal parts of a verb? Give principal parts of 'lie,' 'play,' and 'run.'
5. Define case; illustrate each case.
- 6 What is punctuation? Give rules for principal marks of punctuation.
- 7 - 10. Write a composition of about 150 words and show therein that you understand the practical use of the rules of grammar.

Arithmetic (Time, 1 hour 15 minutes)

1. Name and define the Fundamental Rules of Arithmetic.
2. A wagon box is 2 ft. Deep, 10 feet long, and 3 ft. Wide. How many bushels of wheat will it hold?
3. If a load of wheat weighs 3,942 lbs., what is it worth at 50cts/bushel, deducting 1,050 lbs. for tare?
4. District No 33 has a valuation of \$35,000. What is the necessary levy to carry on a school seven months at \$50 per month, and have \$104 for incidentals?
5. Find the cost of 6,720 lbs. Coal at \$6.00 per ton.
6. Find the interest of \$512.60 for 8 months and 18 days at 7 percent.

Cleveland Surveying News - March 2010



John E. Dailey

7. What is the cost of 40 boards 12 inches wide and 16 ft. long at \$20 per metre?
8. Find bank discount on \$300 for 90 days (no grace) at 10 percent.
9. What is the cost of a square farm at \$15 per acre, the distance of which is 640 rods?
10. Write a Bank Check, a Promissory Note, and a Receipt

U.S. History (Time, 45 minutes)

1. Give the epochs into which U.S. History is divided
2. Give an account of the discovery of America by Columbus
3. Relate the causes and results of the Revolutionary War.
4. Show the territorial growth of the United States
5. Tell what you can of the history of Kansas
6. Describe three of the most prominent battles of the Rebellion.
7. Who were the following: Morse, Whitney, Fulton, Bell, Lincoln, Penn, and Howe?
8. Name events connected with the following dates: 1607, 1620, 1800, 1849, 1865.

Orthography (Time, one hour) [Do we even know what this is??]

1. What is meant by the following: alphabet, phonetic, orthography, etymology, syllabication
2. What are elementary sounds? How classified?
3. What are the following, and give examples of each: trigraph, subvocals, diphthong, cognate letters, linguals
4. Give four substitutes for caret 'u.'
5. Give two rules for spelling words with final 'e.' Name two exceptions under each rule.
6. Give two uses of silent letters in spelling. Illustrate each.
7. Define the following prefixes and use in connection with a word: bi, dis-mis, pre, semi, post, non, inter, mono, sup.
8. Mark diacritically and divide into syllables the following, and

(Cont'd on Page 9)

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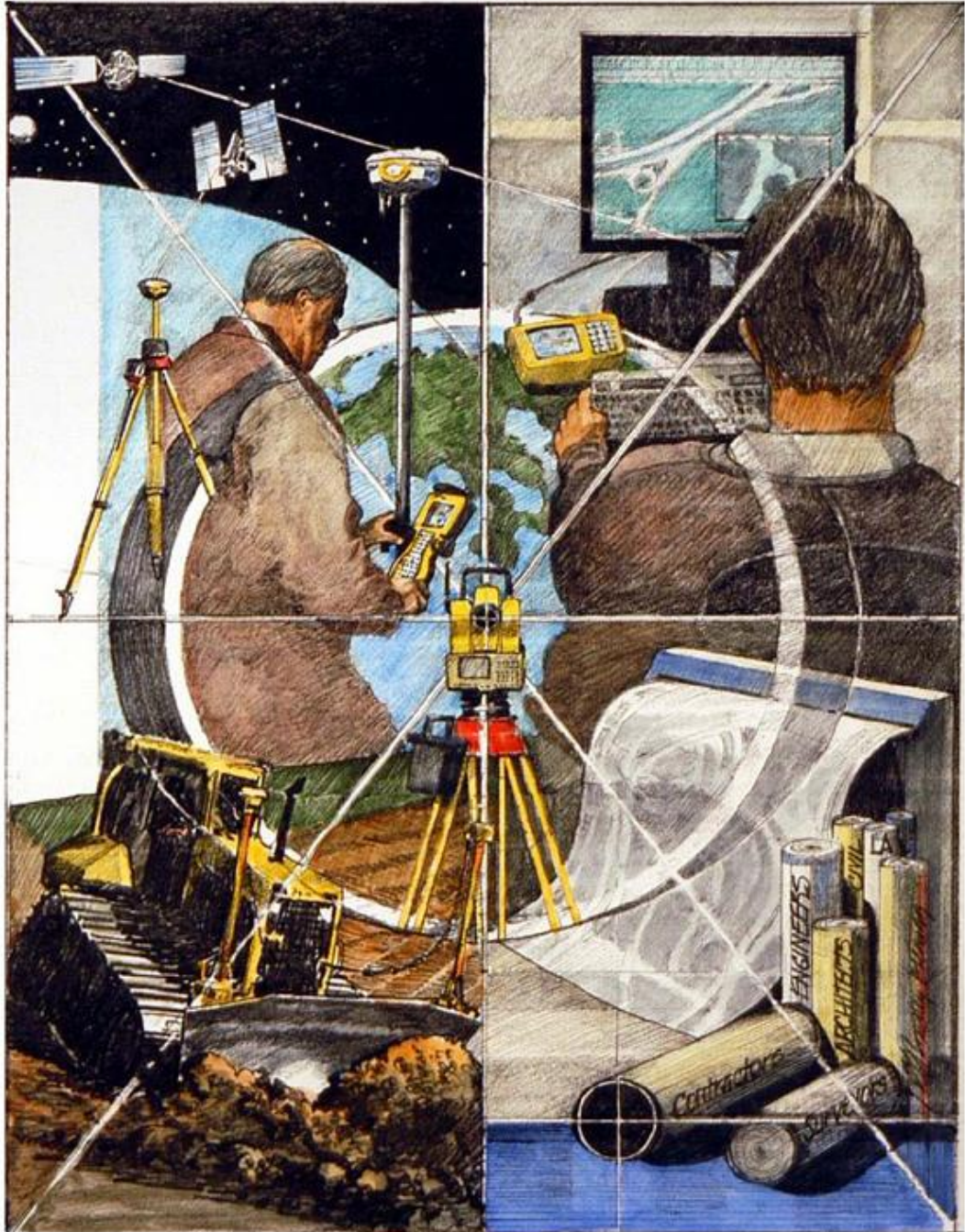
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Random Lines

(Cont'd from Page 7)

[Cleveland Surveying News - March 2010](#)

name the sign that indicates

the sound: card, ball, mercy, sir, odd, cell, rise, blood, fare, last.

9. Use the following correctly in sentences: cite, site, sight, fane, fain, feign, vane, vain, vein, raze, raise, rays.

10. Write 10 words frequently mispronounced and indicate pronunciation by use of diacritical marks and by syllabication.

Geography (Time, one hour)

1 What is climate? Upon what does climate depend?

2. How do you account for the extremes of climate in Kansas?

3. Of what use are rivers? Of what use is the ocean?

4. Describe the mountains of North America

5. Name and describe the following: Monrovia, Odessa, Denver, Manitoba, Hecla, Yukon, St. Helena, Juan Fernandez, Aspinwall and Orinoco

6. Name and locate the principal trade centers of the U.S. Name all the republics of Europe and give the capital of each.

(I DON'T KNOW WHAT HAPPENED TO QUESTION #7.)

8. Why is the Atlantic Coast colder than the Pacific in the same latitude?

9. Describe the process by which the water of the ocean returns to the sources of rivers.

10. Describe the movements of the earth. Give the inclination of the earth.

Notice that the exam took FIVE HOURS to complete. Gives the saying 'he only had an 8th grade education' a whole new meaning, doesn't it?! And NO, I don't have the answers!

[John E. Dailey](#), Past**HIGH GRADE HARDWOOD SURVEY STAKES****DELIVERY AVAILABLE**

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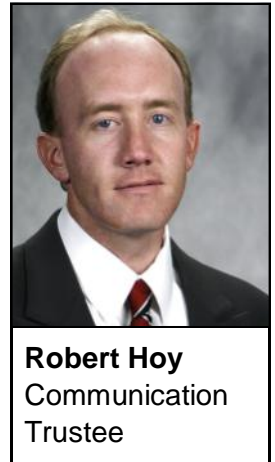
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Communication Report

[Cleveland Surveying News - March 2010](#)

It's been about 3 years since Chapter member Robert Krause redesigned the chapter's website, giving it an impressive appearance. Many readers of this newsletter may only frequent the *Newsletters* page, so let me highlight the information we provide through the different pages of www.plso.com



About the Chapter

- A list of activities, events, and undertakings we've experienced over the past 35+ years. We look to add to that list this year by working with another retiring surveyor and possibly save his survey records.
- List of all Past Presidents of the Cleveland Chapter to duly give recognition to those that have led us to where we are today.
- List of all recipients of our Chapter's *Surveyor of the Year* award, including information about the award, and biographical information about the two most recent recipients.
- (later this year a list of *Surveyor of the Past* award recipients nominated by the Cleveland Chapter.

Calendar of Events

A listing of all events throughout the year for the Cleveland Chapter, including submission deadlines for both the *Cleveland Surveying News* and the *Cleveland Land Surveyor*.

Newsletters

Over 3 years of Chapter newsletters made available to everyone, similar to how the [California Land Surveyors Association](#) provides their *California Surveyor*.

Scholarship

Last fall our Executive Committee passed By-Laws amendments and approved application information to be able to offer scholarships to college students. Our rules, qualifications, and application are available for download on this page. This page may grow with time.

Contact Us

- A call for officer nominations and email link to nominate a member.
- Chapter Constitution and Office Handbook as PDF downloads.
- Contact information for all 10 of our Chapter officers.
- Information on how to join PLSO including a link to the PLSO membership application form.

A big thanks to Robert Krause for updating the website as the chapter needs it, including shuffling pages around recently to add the Scholarship page.

Lorain County On-line Deed Update

About a year ago we reported that the Lorain County Recorder would modify the solid black stamp, that they called a watermark, to be transparent enough to not cover up text on deeds available from their website. They corrected the issue last summer.

When you print a document from the Lorain County Recorder's website, www.loraincounty.com/recorder/, a grey "UNOFFICIAL" watermark appears *behind* the text of the document. Interestingly, no "UNOFFICIAL" text shows up if you save the document to your computer.

Thanks goes to Past President [Peter D. Zwick](#) for helping their recorder understand the need for the stamp/watermark modification. This is [PLSO](#) working for you!



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CS15

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G.I.S. Layers

By Joshua Appleman, GISP
josh@gatherco.com

A Standardized File everyone can utilize

Geographic data and the technology used to view that data is evolving and is becoming standardized to accommodate the masses. Technology is almost surpassing our ability to keep up with all of the data formats, desktop software versions and mobile applications. The data formats available for displaying geographic data are quickly expanding every day. It is not uncommon for one office to use a variety of file formats for displaying geographic data. The file format used most often depends on many variables such as, who will be viewing the data, the accuracy of the data or base map on which it will be displayed, software and hardware specifications and the knowledge base of the person using the data.

One format that continues to grow in popularity for viewing geographic data is the KML (.kml) file. KML stands for Keyhole Markup Language. KML is a file format used to display geographic data in an earth-browser such as Google Earth, Google Maps and

[Cleveland Surveying News - March 2010](#)

Google maps for mobile. KML is based on the XML standard. XML stands for extensive markup language. XML is the World Wide Web Consortium's (W3C) recommended standard for creating formats & sharing data on the web. For more information about W3C, visit www.w3.org XML's design goals emphasize simplicity, generality, and usability over the Internet. A KML file is simply a small text file with instructions for Google Earth to interpret. KML consists of tags, symbology and attribute information. If you are completely new to KML, you can begin by authoring your own KML documents using Google Earth. Google Earth will allow you to "Add" a place marks, patches, and polygons.



Joshua Appleman
GISP

One way to begin using this data format may be to "Add" all of your clients to Google Earth or all of the locations of the surveys you completed in the last

[\(Continued on Page 13\)](#)

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G.I.S. Layers (Continued from Page 12)

year. By creating this user friendly KML file, you can begin to see spatial relationships and other valuable information about your geographic data. Using such programs as Google Earth, users have the option to query a location by address or by Latitude and Longitude.

Still, there has been a great deal of discussion in the circles of GIS professionals and neogeographers alike on whether the use of this type of data and earth-viewers is really GIS. But one can say without question, applications such as Google Earth are being used extensively. KML formats are appearing on local government data download sites, next to other native GIS file formats such as the Shape File (.shp). Learning more about KML and how to use these files can open up new and efficient ways to view, share and distribute geographic data very quickly. Today, CAD and GIS programs have built in utilities for converting various file formats to KML. KML is also widely accepted in enterprise GIS solutions such as ESRI's ArcGIS Server. Dynamic KML can be

published as services and shared by large audiences in an enterprise GIS system.

A recent iPhone application, available through the [iPhone App Store](#), allows users to collect geographic data and export as a KMZ file, which is a compressed file for a collection of KML files. Using this application, field staff can collect information about points, add photos and even voice notes. This is just one example of how technology is adapting and evolving to widely used platforms that have the ability to export to common data formats, which can be viewed on a variety of software platforms. The National Oceanic and Atmospheric Administration (NOAA), Ohio Department of Natural Resources (ODNR), National Geodetic Society (NGS) and Ohio Environmental Protection Agency (OEPA) have served data in KML format. The future is definitely bright for geographic data interoperability and ease of use on standardized software and hardware platforms.

GIS Users of Northern Ohio

Is an informal group, meets every other month, that promotes geographic data sharing, encourages data standardization, and provides a network for the exchange of technical information between all **GIS** users.

<http://www.lakecountyohio.gov/guono> (check "user group info" on left side of the site for meeting dates)

Upcoming meeting dates & topic:

March: Cleveland Metroparks GIS

May: ESRI

Lake Erie GIS

www.dnr.state.oh.us/website/ocm_gis/mapviewer_app/

An interesting GIS of Lake Erie provided by the Ohio Department of Natural Resources (ODNR). This GIS is relatively slow to navigate, and is somewhat unstable (gives errors often).

It does include Survey Monumentation, which you must set to the "Active Layer" by clicking the circle next to Survey Monuments in the layer list on the right side.

This is another tool and source of GIS data. Know of another source? Share it with us! [Email the Editor](#)





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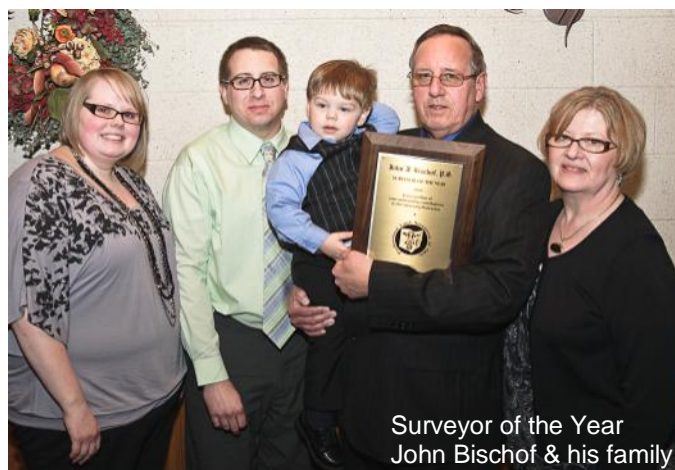


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Photos from our Annual Meeting on Jan. 28th



Surveyor of the Year
John Bischof & his family



Michael Straub
presents Tim
Feller with his
President's Plaque

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Below: All 10 members being sworn in as 2010 officers



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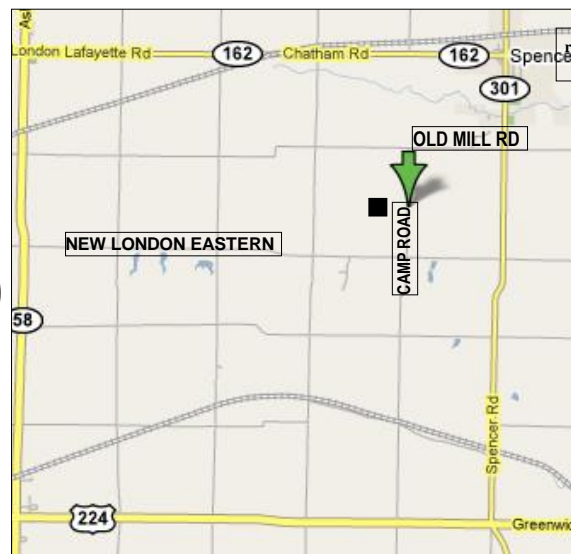
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2011 Conference Committee

[Cleveland Surveying News - March 2010](#)

Next February the Annual Conference will be at the Intercontinental Hotel in Cleveland, but not downtown. All conferences in Cleveland, in recent memory, have been held in the downtown area. This time we will be about 100 blocks east and very near the University Circle area, which is rich in arts and culture, e.g. Cleveland Museum of Art, Cleveland Botanical Gardens, Cleveland Natural History Museum, Severance Hall. [\(map\)](#)

A possible exhibit layout is shown below with both breaks and lunch served in the middle of the exhibitors. One wall of this ballroom has 4 large full height windows letting in natural light. This will be a welcome plus since most conferences keep you from seeing the light of day unless you go outside to smoke!

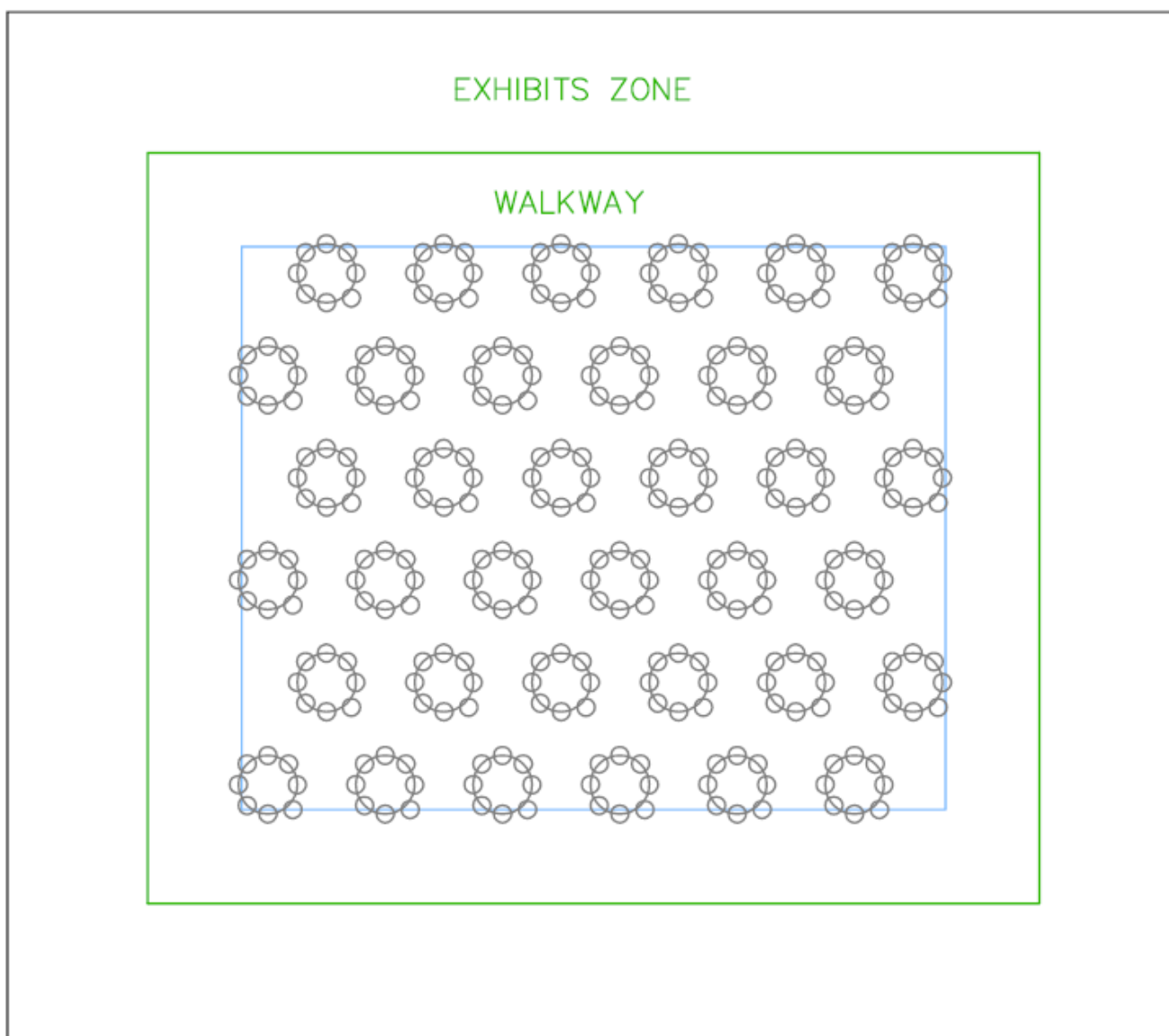
Contact Exhibits Chairman John Bischof, bischof@cvelimited.com, if you are interested in receiving exhibit information or to suggest a prospective company to exhibit.

(Continued on Page 18)



John G. Hoy, P.S.
2011 Conference
Chairman

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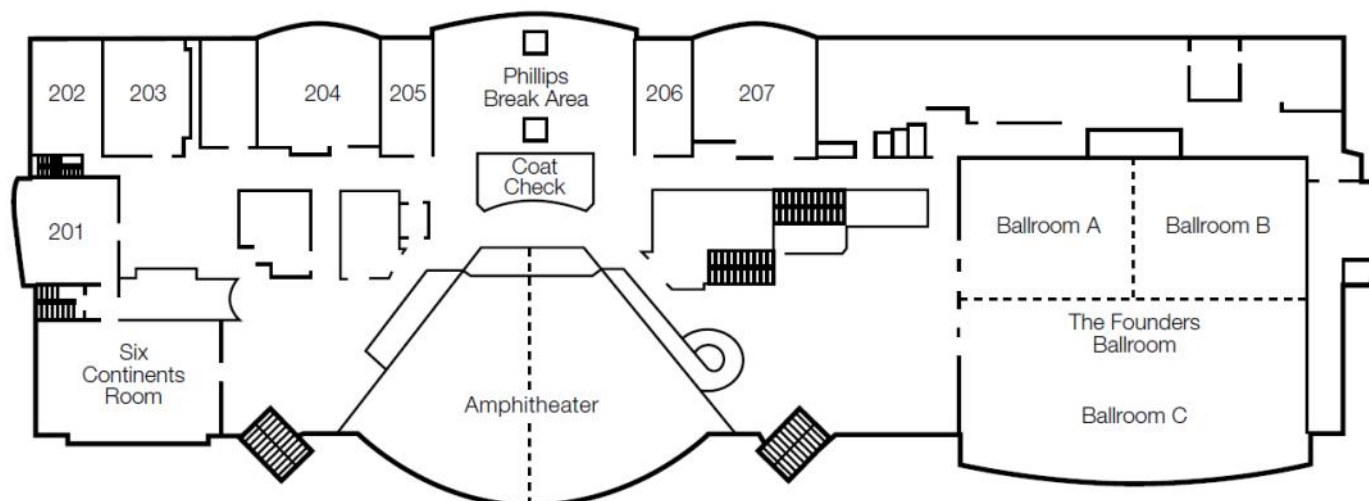
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2011 Conference Committee

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(Continued from Page 16)



The conference room layout is shown above and is all conveniently on the same floor, except the amphitheater by nature extends to two floors. The amphitheater has state-of-the-art A/V features and seats 500, which will be used to hold *everyone* for the keynote speech which will open the event Thursday morning. The divider will be installed later that morning and our two main sessions will use both halves of the room.

The **InterContinental** hotel is attached to the Cleveland Clinic. And just like the Clinic, the hotel's walls are filled with gallery quality local art. You could spend a couple hours walking through the hotel admiring the work of local artists, compare that to most hotels that contain more wall decorations than art.



Program Sessions

We are trying to get fresh topics and speakers for 2011, and fresh approaches to more common subjects. Send Program Chairman Robert Hoy, k666@cox.net, your ideas for topics and speakers - especially northeast Ohio speakers and topics involving Lake Erie, one of Cleveland's great assets.

Conference Committee

Chairman	John G. Hoy	ihoy.7419@att.net
Program	Robert Hoy	k666@cox.net
Exhibits	John Bischof	bischof@cvelimited.com
Facility	Ken Hejduk	kenh@hca-es.com
Benefit/Auction	Michael Straub	mikes@straubsurveying.com
Registration	Joseph O'Donnell	joeodonnps1@sbcglobal.net
Hospitality	Timothy Feller	timf@mcsteen.com

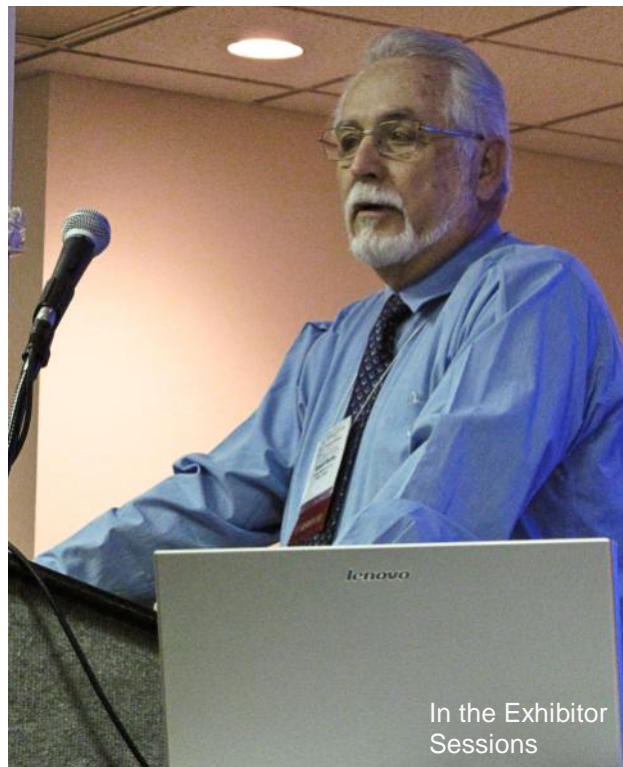
2010 Annual Conference Photos

[Cleveland Surveying News - March 2010](#)

Photographs © John G. Hoy



NSPS President
John Matonich



In the Exhibitor
Sessions



Brad Kramer
hosts the auction

2010 Annual Conference Photos

Photographs © John G. Hoy



Brad Kramer &
David Connor of NGS



Dean Frederick, Rion Myers, Dana Parsell, Brett Tieben

2010 Cleveland Chapter Calendar

Mar 4 Seminar Meeting

Mar 12 State Executive Committee Meeting
Mar 15 **Executive Committee Meeting**
Mar 17 Cleveland Surveying News Deadline
Mar 24 Cleveland Land Surveyor Deadline

Apr 1 Seminar Meeting

Apr 9 State Executive Committee Meeting
Apr 19 **Executive Committee Meeting**
Apr 21 Cleveland Surveying News Deadline
Apr 24-28 ACSM Conference – Phoenix, Az
www.acsm.net/conference
Apr 28 Cleveland Land Surveyor Deadline

May 6 Seminar Meeting

May 14 State Executive Committee Meeting
May 17 **Executive Committee Meeting**
May 19 Cleveland Surveying News Deadline
May 26 Cleveland Land Surveyor Deadline

Jun 3 General Membership Meeting

**Jun 25 William J. Haas Memorial
Annual Golf Tournament**

Jul 9 State Executive Committee Meeting

Aug 9 **Executive Committee Meeting**
Aug 11 Cleveland Surveying News Deadline

Sept 2

Sept 10
Sept 13
Sept 15
Sept 29

Seminar Meeting

State Executive Committee Meeting
Executive Committee Meeting
Cleveland Surveying News Deadline
Cleveland Land Surveyor Deadline

Oct 7-9

Oct 8
Oct 14
Oct 18
Oct 20
Oct 27

PLSO Fall Seminar, Sandusky

State Executive Committee Meeting
Seminar Meeting
Executive Committee Meeting
Cleveland Surveying News Deadline
Cleveland Land Surveyor Deadline

Nov 4

Nov 12
Nov 15
Nov 22

Seminar Meeting

State Executive Committee Meeting
Executive Committee Meeting
Cleveland Land Surveyor Deadline

Dec 10

Dec 13

State Executive Committee Meeting
(if needed)

Executive Committee Meeting
(if needed)

Jan 14

Jan 17
Jan 19
Jan 27

State Executive Committee Meeting
Executive Committee Meeting
Cleveland Surveying News Deadline
Annual Meeting

Executive Committee Meetings:

Parma City Hall at 6 p.m. and are open to all Chapter members who want to attend.