

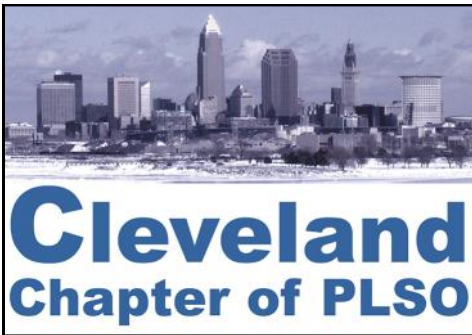
Cleveland Surveying News

May 2010

Why is this on the cover?
See Page 13

Featured

- **Golf Outing registration & sponsorship forms**
- **Chapter Scholarship Extension**



P. O. Box 81713
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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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2010 Executive Committee

President	Michael A. Straub, P.S.	440-333-1700	mikes@straubsurveying.com
President-Elect	Dino Lustri, P.S., P.E.	216-387-3781	dino@dlengineeringllc.com
Past President	Timothy J. Feller, P.S.	440-585-9800	timf@mcsteen.com
Treasurer	John J. Bischof, P.S.	440-399-0834	bischof@cvelimited.com
Secretary	Michael A. Ackerman, P.S.	216-642-1130 x115	mackerman@dgbassoc.com
Delegate	George A. Hofmann, P.S.	440-234-5544	george_hm@ameritech.net
Trustees			
Communication	Robert G. Hoy, P.S.	216-389-7677	k666@cox.net
Education	Christopher J. Tomko, P.S., P.E.	440-925-0797	ctomko@rewarner.com
Program	Eric W. Short, P.S.	440-366-9618	shorte@windstream.net
Membership	Sean T. Snezek	216-970-0752	sneezeman21@yahoo.com

Thursday May 6

Cost: \$15 PLSO Members, \$50 Non-Members

Proceeds from this seminar goes towards our Scholarship efforts.

Pizza & soft drinks provided

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

Topic: GPS & VRS Technologies - 1.5 PDH's

Speaker: Mike Painter from Precision Laser & Instrument, Inc.



Eric Short
Program Trustee

Schedule

5:30 Registration, Pizza & Refreshments
6:00-7:30 Speaker

Contact Eric Short by

Wed. May 5th for reservations,
(needed for accurate food count)

440-366-9618 shorte@windstream.net

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President's Message

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Last month I asked you what being a member of PLSO means to you. This month I reflect on what our organization is doing for you (and me)! There are two important issues that PLSO has been working on for us. Results are being seen.

It was brought to PLSO's attention last year that soil scientists are essentially preparing survey documents in violation of state law. Dean Frederick and others have been actively pursuing these abuses. They have prepared a draft of prohibited activities by the soil scientists that is being forwarded to the State Board of Registration. The Board is expected to actively pursue this issue.

Many of us have complained, in some form or another, about losing valuable monuments during roadway construction projects. Tim Riley, a surveyor and engineer in Norwalk, has been one of our members championing the preservation of these road monuments. Tim is working with PLSO Executive Director Melinda Gilpin, ODOT and others to bring this issue to the forefront. Discussion among the various parties is in process.

In addition to the above, one of our Chapter members brought to our attention that the Ohio Farm Bureau *does not* support the requirement that County Engineers must be dually licensed as Professional Surveyors as well as Professional Engineers. After discussion at our last Executive Committee meeting, Chapter Delegate George Hofmann is forwarding details of the Farm Bureau's policy to the State Executive Committee. It is our understanding that the Farm Bureau develops their policies on an annual basis. We hope that as an organization, we can influence their stance on this issue. (Keep in mind it was the Farm Bureau's opposition to the "Right of Entry" bill that squashed it the last time it got rolling in State legislature.)

It's great to see that PLSO is taking an active leadership role to help us!

Finally, I had an embarrassing, yet valuable experience this past month. One of my suppliers sent me a nasty-gram email regarding an overdue bill. The supplier was absolutely right – it was well overdue! But the threat of collections in a cold email made me feel like I was not important to them. I THOUGHT we had an understanding that I would pay my "monthly" bill with the next order (about 10 times each year). This perception was a result of comments they had made to me last year ("Don't worry – you're one of the good ones.") I did not receive a phone or a friendly overdue reminder email – only a cut-and-paste form letter that made me feel like a piece of dirt. The experience reminded me of a valuable caveat: Treat others how you would like to be treated! This is so true of your clients upon whom you depend for your livelihood!

As always, let's work hard for a prosperous and healthy 2010! Optimism Rules!

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

Chapter President



Michael A. Straub
President

June Social Meeting

Mark your calendars for **Thursday June 3rd** to join us for Chapter social dinner.

This will be a good time, talking surveying and about the upcoming summer with fellow members. There will not be a speaker nor PDH certificates, just a good night out!

Eric Short is working hard on setting up a good location. Details will be in the June newsletter.

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2011 Conference Committee Report

[Cleveland Surveying News - May 2010](#)

We're well along on educational program, speakers and topics, though we still have a couple of slots to fill in our regular tracks. One idea we're trying to see through is to add a 4th track to one of the days that would be subjects appealing to both Surveyors *and* Engineers. This would be to widen the appeal of our conference to more professionals.

Potential engineering/surveying topics can be locally related to the Cuyahoga County area, because there are many registered engineers performing work within the county's borders. Email our Program Chairman with topic and speaker ideas.



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

2011 Annual Conference Committee

Chairman	John G. Hoy	jhoy.7419@att.net
Program	Robert Hoy	k666@cox.net
Exhibits	John Bischof	bischof@cvelimited.com
Facility	Ken Hejduk	kenh@hca-es.com
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Random Lines

by John E. Dailey, P.S.

Whether you admired him as a President or not, the following is a good commentary on how things have changed in our country. Harry Truman of Missouri, was a different kind of President. He probably made as many important decisions regarding our nation's history as any of the other 42 Presidents. However, a measure of his greatness may rest on what he did after he left the White House.

Historians have written that the only asset he had when he died was the house he lived in, which was in Independence, Missouri. On top of that, his wife inherited that house from her mother. He did not even write a book or make speeches for large fees.

After President Eisenhower was inaugurated, Harry and Bess drove home to Missouri by themselves. There were no Secret Service following them. Secret Service protection was not provided until after the Kennedy assassination.

When he retired from office in 1952, his income was a U.S. Army pension reported to have been \$13,507.72 a year. Congress, noting that he was paying for his stamps and personally licking them, granted him an 'allowance' and, later, a retroactive pension of \$25,000 per year.

When offered corporate positions at large salaries, he declined, stating, 'You don't want me. You want the office of the President, and that doesn't belong to me. It belongs to the American people and it's not for sale.' Even later, on May 6, 1971, when Congress was preparing to award him the Medal of

Cleveland Surveying News - May 2010

Honor on his 87th birthday, he refused to accept it, writing, 'I don't consider that I have done anything which should be the reason for any award, Congressional or otherwise.'

Modern politicians have found a new level of success in cashing in on the office of President, resulting in untold wealth. Today, many in Congress also have found a way to become quite wealthy while enjoying the fruits of their offices. Political offices are now for sale.

And the best is saved for last: Good old Harry Truman was correct when he observed, 'My choices early in life were either to be a piano player in a bordello or a politician. And to tell the truth, there's hardly any difference.'

I had the opportunity to visit both the Truman home and the Truman Presidential Library in Independence and it was inspiring. Here was a man who came into the office of President upon the death of Franklin D. Roosevelt, much to the chagrin of many Washington insiders. They felt that he was weak and unprepared. Maybe he was, but he grew into the job.

Love him or hate him, he was one of a kind.

[John E. Dailey](#), Past



John E. Dailey

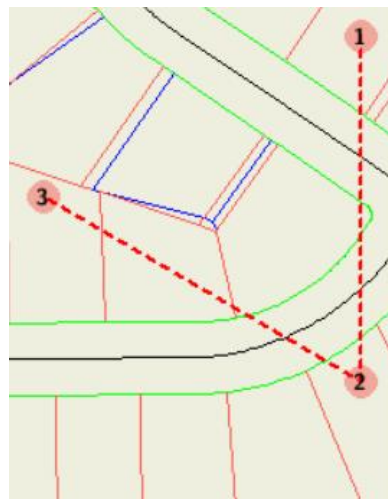
G. I. S. Updates

Medina County

The Medina GIS has added a "measure" tool option from their selection list.

Once more than 2 points are graphically selected, the perimeter and area will reflect a closed polygon to the beginning point. Click on the "edit" hyperlink to delete points.

Note: I have sent the Medina GIS team advice on limiting the distances and area display decimal places. The NAD27 state plane coordinates shown are to 2 decimal places which is to the nearest foot already.



- ☒ Tax-Map (default)
- ☐ Planning (zoning)

Measurement Stats

Measure ID: **mid2212131140**
 Pnt 1: 2177219.13, 541274.87
 Dist: 289.17 ft., 0.05 mi.
 Pnt 2: 2177219.13, 540985.70
 Dist: 307.45 ft., 0.06 mi.
 Pnt 3: 2176953.56, 541140.61
 TPath: 596.62 ft., 0.11 mi.
 Perim: 894.20 ft., 0.17 mi.
 Area: 38397.44 sq ft,
 0.88 acre, 0.00 sq mi

[Edit](#)

Delegate Report

[Cleveland Surveying News - May 2010](#)

MEETING AGENDA Friday April 9, 2010



4.0 Unfinished Business

- 4.1 Surveyor of the Past Plaques - Barb Jones
- 4.2 Website Proposal - Melinda Gilpin
- 4.3 Soil Scientists Issues - Dean Frederick
- 4.4 Proposed Removal of PS Requirement for County Engineer - Dean Frederick
- 4.5 Statute of Limitations - Rose Coors
- 4.6 Trumbull County Tax Map Issue - John Francis

5.0 New Business

- 5.1 New Members (See Attached List) - Bob Akins

6.0 Inter-Association Delegates

- 6.1 CEO - Dean Ringle
- 6.2 ODOT - Jim Kenyon
- 6.3 State Board of Registration -
- 6.4 OGRIP - Stu Davis

7.0 Committee Reports

- 7.1 Special Committees
 - 7.11 Political Action - Dean Frederick
 - 7.12 Standards - Brad Kramer
 - 7.121 Change in Law Regarding Metes and Bounds
 - 7.122 Monumentation of Railroads
 - 7.123 Preservation of Monumentation
 - 7.124 Minimum Standards for Plat Revision
 - 7.125 GPS Standards - Jim Kenyon
 - 7.126 FEMA Flood Mapping
 - 7.13 State Line - Dean Ringle
 - 7.14 Historic Review - Mike Besch
- 7.2 Newsletter Editor - PLSO Staff
- 7.3 NSPS Governor - Mike Besch
 - 7.31 Trig Star - Pat Leonhardt
 - 7.32 CST Coordinator - Pat Leonhardt
 - 7.33 Geocaching Coordinator - Bob Akins
- 7.4 Standing Committees
 - 7.41 Program - Dean Frederick
 - 7.411 Annual Conference Updates
 - 2011 - Cleveland - John Hoy
 - 2012 - Central Ohio - Kevin Stacy
 - 2013 - Cincinnati and Southwestern
 - 7.412 Fall Seminar Updates
 - 2010 - Firelands - Phil Rosebeck

- 2011 - Tuscarawas Valley - Bob Akins
- 2012 - Toledo - Pat Leonhardt
- 7.42 Membership - Bob Akins
 - 7.421 Membership Brochure
- 7.43 Interprofessional Affairs - A. J. Myers
- 7.44 Education - Dean Frederick
- 7.45 Legislation - A.J. Myers
- 7.46 Finance - Paul Dinan
- 7.47 Past Presidents Council - Dean Frederick, et al.
- 7.48 Scholarship - Rocky Lomano
- 7.49 Scholarship Fund Board - Frank Snyder
- 7.50 Management Review - Rion Myers

8.0 Chapter Delegate Reports

- 8.1 Askega Chapter - Jim Donathan
- 8.2 Central Ohio Chapter - Brian Bingham
- 8.3 Cincinnati Chapter - Bob Heidkamp
- 8.4 Cleveland Chapter - George Hofmann
- 8.5 Congress Lands Chapter - Isaac King
- 8.6 Firelands Chapter - Tim Riley
- 8.7 Miami Valley Chapter - Harry Herbst
- 8.8 Mohican-Killbuck Valley Chapter - Jim Kenyon
- 8.9 Muskingum Valley Chapter - Rob Lowe
- 8.10 Northwest Ohio Chapter -
- 8.11 Ohio State University Student Chapter - Domonic Brigano
- 8.12 Ohio Valley Chapter - Al Smith
- 8.13 Scioto Valley Chapter - George Seymour
- 8.14 Southwestern Chapter - Rose Coors
- 8.15 The Thomas Hutchins Chapter - John Francis
- 8.16 The Univ. of Akron Student Chapter - Luke Walker
- 8.17 Toledo Chapter - Bryan Ellis
- 8.18 Treaty Lands Chapter - John Jauert
- 8.19 Tuscarawas Valley Chapter - Dave Bodo
- 8.20 Western Reserve Chapter - Rick Hunsicker

9.0 President-Elect's Report - Brett Tieben

10.0 PLSO Staff Report - Melinda Gilpin

11.0 President's Report - Rion Myers

Executive Committee Meeting - Friday April 9, 2010

Meeting call to order 6:12 P.M.

1.3 Alternate Delegates seated

1.4 Quorum was present

2.0 Minutes for March 2010 were approved. Minutes for Sept., 2008 and January 2009 are still outstanding.

3.0 Treasurers report for March 2010 was submitted.

4.2 Web site still being reformatted, to be finished by end of month

4.3 Soil Scientist Issues: State board sent out cease and desist letters to two individuals. State Board to send out letter to County Health Departments stating what constitutes a survey and that all plans should be prepared by a registered surveyor or engineer. Dean Frederick is preparing a letter which states five questions that should be asked when reviewing plans submitted by soil scientists.


4.6 Trumbull County tax map Issue: John Francis sent formal complaint to the State Board.

5.1 New members: Bob Akins made a motions to accept one professional. Motion passed.

6.3 State Board of Registration: Members of the Executive committee met with a representative from the governors office and feel confident that our position that one member of the State Board is to be a P.S. only was well received.

It had come to PLSO attention that another member of the State board was retiring and that we needed to get the governors attention. A letter was prepared with a list of candidates

[\(Continued on Page 9\)](#)



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Delegate Report [\(Cont'd from Page 8\)](#)

that the membership committee felt had the qualities, experience, and integrity to represent the surveyors of Ohio. The candidates that the PLSO support includes.

Franklin D. Synder, P.S., Ashtabula County
Dennis D. Fulk, P.S., Stark County
Steven N. Saneholtz, P.S. Lucas County
Mark A. Yeager, P.S., Medina County
Rose M. Coors, P.S., Hamilton County

7.11 Political Action: PAC Fund balance \$3,957.85.

7.14 Historic Review: Temporary Exhibit was set up at the State House for National Surveyors Week. We were given two cases to display our items. It appeared to be well received as it was noted that a good number of people stopped by to see it.

7.2 Newsletter Editor: Melinda Gilpin reported that the newsletter was at the printers and would be mailed shortly. A copy would be posted on the web site next week.

7.3 NSPS Governor: Mike Besch reported that he will be attending the ACSM Conference in Phoenix.

7.33 Geocaching: Bob Akins reported that with the change in weather he has seen a number of people at his site. His ultimate goal is to have a site in each county. Anyone interested in sponsoring a site should contact him.

7.41 Program Committee: Brief reports were given on the upcoming annual and fall conferences.

12.0 Adjourn 8:31

Respectfully submitted,

George A. Hofmann

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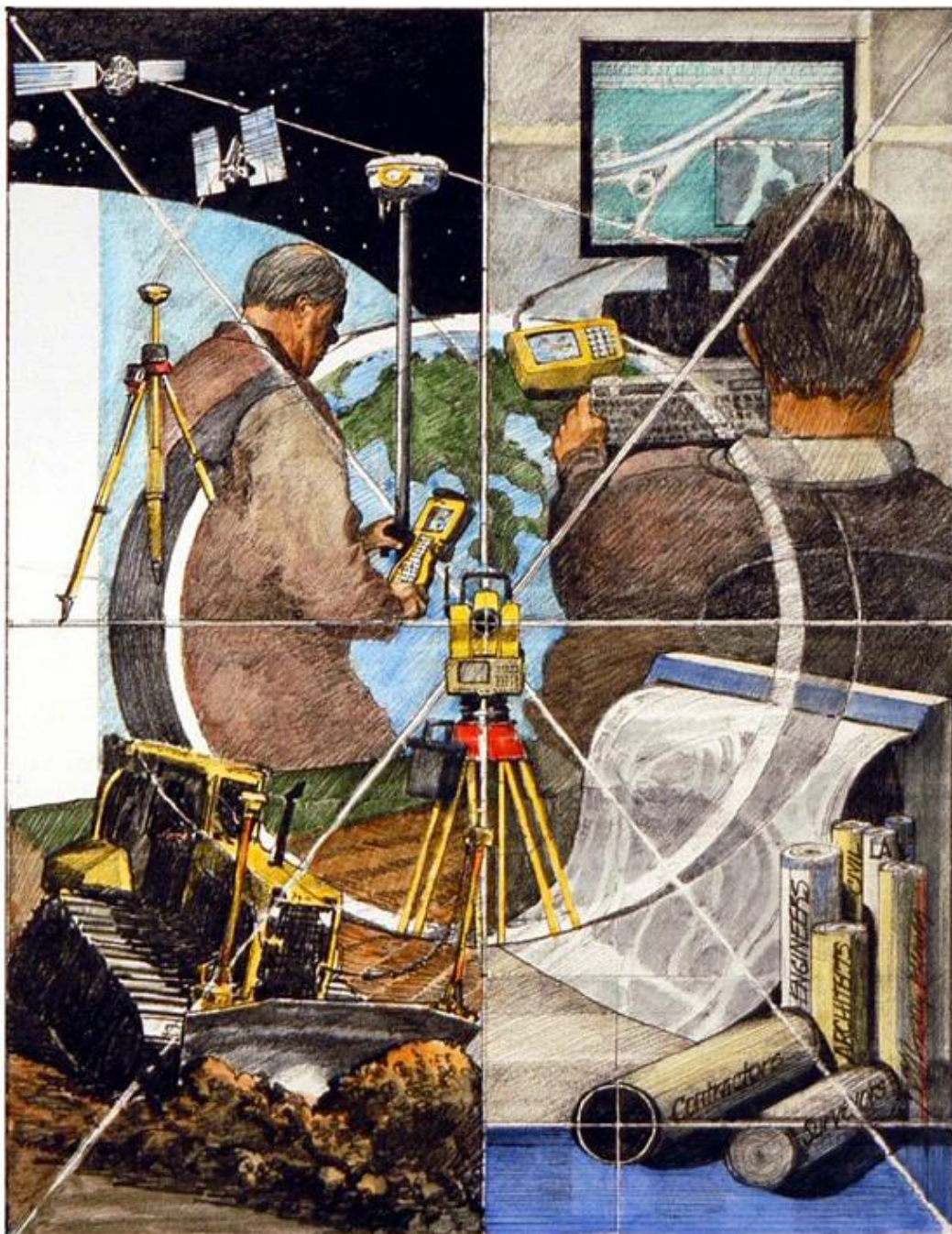
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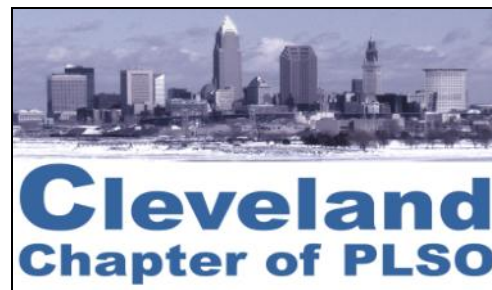
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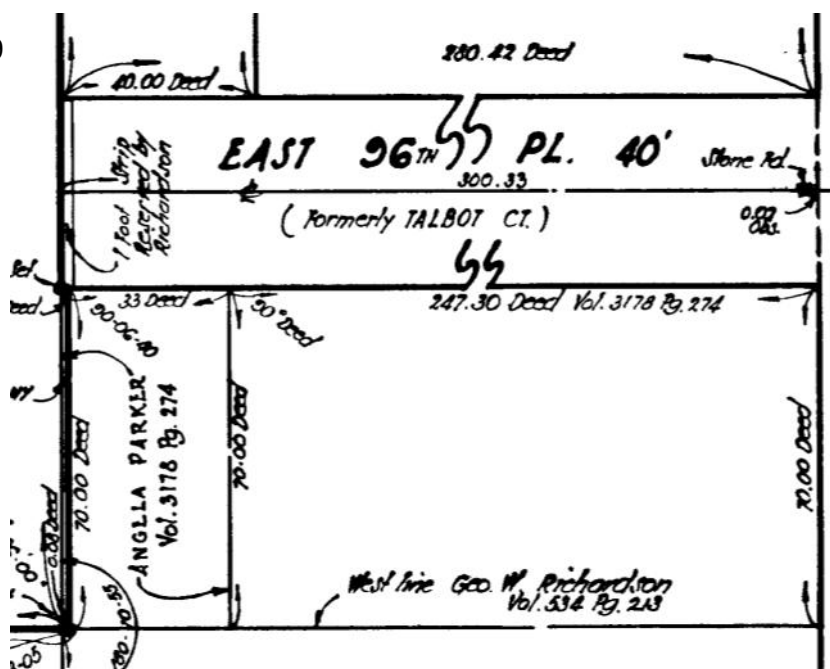
Approximately 7,000 larger surveys (stored in flat files) were scanned in 1999 in part for preservation because the document storage location at the time was not very well protected against weather extremes.

Disc 2 of Scanned Surveys

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Editor's Notes

[Cleveland Surveying News - May 2010](#)

I'm glad to have Leica Geosystems back as an advertiser for the rest of the year, as I mentioned in last month's issue. Onto the cover photo.

This is my hat on the cover, which I bought for my trip to Big Bend National Park last autumn. I got the idea for this cover while watching Phil Michelson at the end of the Masters golf tournament. His face, neck, *and* ears were very sun torched yet when he took his baseball style cap off he revealed his extremely pale forehead. Sun related afflictions are cumulative after many years of exposure.

OSHA's webpage on sun safety, www.osha.gov/Publications/OSHA3166/osh3166.html, also recommends a "wide" brimmed hat - not a baseball cap. So consider making a full brimmed hat a standard issue item to your field employees, just like a plumb bob.

I get a catalog in the mail from Duluth Trading Co. which offers outdoor work wear and some specialty items. A land surveyor using a total station was on the cover of their most recent issue! Another drawing of a land surveyor was on the inside of the front cover with a small description that the drawing was that of one of their friends who was surveying in Death Valley New Mexico.

This got me thinking how can surveyors get better visibility of land surveying in the media? I will take your comments and suggestions, as well as our executive director [Melinda Gilpin](#).

Robert Hoy, CSN Editor
k666@cox.net

Stories from the Past... (Presidents)

INTERESTING SURVEY PROJECTS:

We were doing a project for a new office building in Beachwood when the owner decided that he would like to see how much of his building could be seen over the trees from Interstate 271. He came to us with a request to do something. My first thought was "What?" My second thought was "how can we do this?"

Due to the topography of the site, we ruled out using scaffolding. We also ruled out building a tower. The next best thing was balloons. That was the easy part. Now what?

We finally decided on helium filled weather balloons tethered to the ground some how. Weather balloons are much more durable than other balloons. Helium is readily available at almost any party store.

We located the proposed corners of the building and set some anchors into the ground, calculated height of the various floors, used several different colors to denote floors and marked the floor number on each one of the balloons.

We tethered the balloons with lines running out in various directions to hold the balloons relatively "stable." In this case, stable does not mean being held in a perfect pattern, it means we cut down the amount of movement.

Several people watching us thought we were crazy, but the balloons worked. We got them up in the air in their proper position, left them over night so that the owner could see them in both the evening and in the morning. After he saw them, he showed them to his investors and thanked us for the show. He was happy and he even paid the bill.

John E. Dailey
Chapter Past President 1977

Executive Committee Meeting Minutes

[Cleveland Surveying News - May 2010](#)

March 15, 2010 Parma City Hall, 6:04 pm.

In attendance: All officers, John Hoy, Ken Hejduk, and Tom Snezek.

Secretary's minutes: Executive Committee meeting minutes from January accepted.

Treasury: John Bischof submitted a written report for January and February. \$75 was donated Trig star in January.

Chapter Delegate:

- George Hofmann highlighted the March Executive Meeting from Columbus. (See report)

The proposed removal of PS requirements of County Engineers was updated.

George will continue to voice the concerns of the Cleveland Chapter and its members with the State Chapter.

Communication:

Bob Hoy gave an update on the newsletter advertisers.

The next issue of the Cleveland Land Surveyor will be ready to send out at the end of the month.

The Cleveland Chapter web site has been updated.

Education:

Chris Tomko reviewed the status of the scholarship and Trig Star program.

MOTION PASSED to extend the deadline for the 2010 scholarship applications to June 1, 2010. (no applications have been received by the original deadline date)

George Hofmann volunteered to attend the State PLSO scholarship meeting in July.

President Straub filled positions on the scholarship review committee. The State PLSO recommended 1 person on the board to not be a member of PLSO. (George Hofmann- 1 year, Tim Feller- 1 year, Ken Hejduk- 1 year, Chris Tomko- 2 years, Bob Hoy- 2 years,)

Focus will be on next year's Trig Star competition. President Straub will schedule a February meeting for next year if needed to meet the deadline.

Bob Hoy and Mike Ackerman will update the handbook to reflect the added duties to the Education Trustee.

Membership: Sean Snezek gave an update on membership and will try to contact those who have been dropped. A current membership list is being compiled.

Program: Eric Short reviewed the upcoming seminars.

Old Business: John Hoy said the conference planning was on schedule. John gave ideas for possible items to donate to the auction.

New Business: **MOTION PASSED** to donate \$250 to The University of Akron survey department for the 2010 Surveying Student Annual Competition. The amount donated will decrease in the coming years so as to contribute to the Cleveland PLSO chapter scholarship,

Tom Snezek reported Geodetic Monuments should be added to the Cuyahoga County GIS web site by the middle of May.

Tom discussed the feasibility of scanning the remaining original tax maps for public use and possible help from the chapter.

A copy of "The State of Ohio Road Laws" from ODOT district 7 was sent to Tom. This is a report on the history of road right-of-way establishment. Tom was not sure if this is available to be released on the website or newsletter at this time.

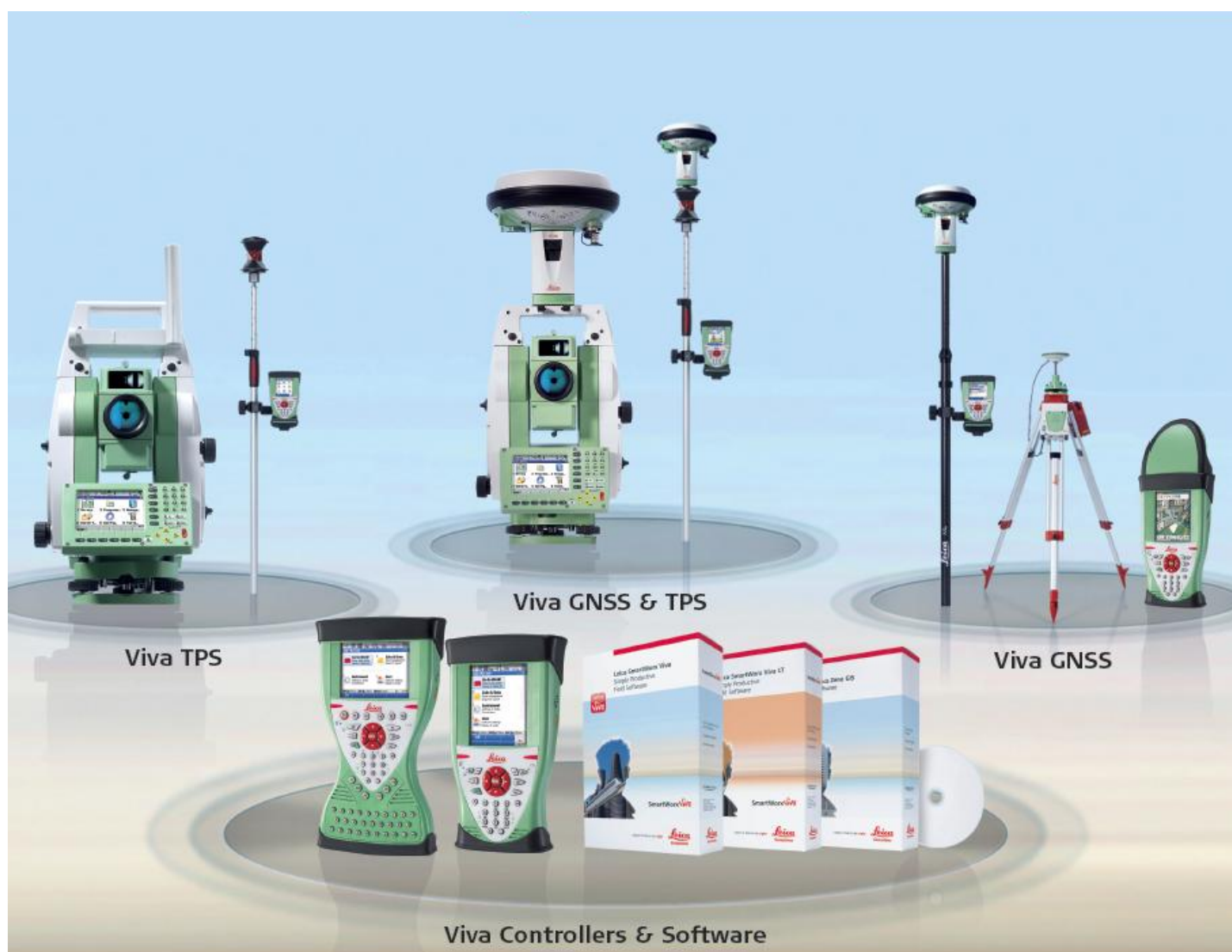
Meeting adjourned at 7:54 pm.

Respectfully Submitted,

Michael A. Ackerman



Michael Ackerman
Secretary



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G.I.S. Layers

By Joshua Appleman, GISP

josh@gatherco.com

[Cleveland Surveying News - May 2010](#)

CAD and GIS Integration, is it possible?

I have been presented with the challenge of integrating CAD with GIS on more than one occasion. My Geography professors when I was in college always drilled into my head that when you convert something to another format, you always lose something. This is not only been the case for me in most instances, it has been recurring issue for me and my peers whenever we are discussing the struggles associated with conversion and integration.

So the question is posed. Should you use GIS or CAD? There are strong arguments for using one over the other. The ultimate choice usually correlates with what a person is accustomed to using for their day-to-day operations. It is like comparing a wrench and a hammer and trying to decide which is the best tool for the job. A more simplistic view would be to have both tools on hand and integrate the use of both to complete projects in an efficient and timely manner.

As local and state governments increasingly embrace GIS technology, new challenges for integrating legacy CAD files will be on the rise. This has a trickledown effect to the local surveyor and inevitably, all surveyors are going to have to deal with the integration of CAD and GIS data at some point in their career.

The two technologies actually complement one another quite well. CAD users can benefit from using content rich spatial data and GIS users can benefit from CAD's accurate drawing and complex editing toolsets. I recently interviewed Mark Lukosavich, a local licensed surveyor from Cuyahoga Falls, Ohio. I asked Mark "What advancements have you seen with CAD integration into GIS?"

He responded by stating "I have seen that GIS data is now usable and integrated into most CAD formats, this helps especially with planning and preliminary engineering and surveying." I agree with Mark in that integrating CAD in GIS can be helpful. For example, a common CAD/GIS integration would be overlaying CAD data on a geo-spatially referenced, color aerial photography.

I also wanted a surveyor's opinion on the benefits to surveyors using GIS Data sets within a CAD environment. Mark responded to my inquiry by stating "GIS is a necessary and vital add-on to the total CAD picture." He added, "I envision that GIS will become fully integrated with AutoCAD just as the design modules have now been fully integrated and that users will be able to migrate data seamlessly back and forth between applications."

So with a response from a licensed surveyor, I decided to look further into this business of integrating CAD and GIS. I was quickly greeted with big buzz words like "Data Interoperability" and "ELT" which stands for Extract, Load and Transform. I navigated to Google's search engine on the web and typed CAD and GIS Integration. In an astonishing .30 seconds I had 326,000 results... Wow! I asked myself where to begin?

I felt compelled to stay on the track of getting advice from a Public Land Surveyor (PLS). I emailed a friend at ESRI, Brent Jones, PE, PLS, who is the surveying and engineering industry manager for ESRI. I asked Mr. Jones the same general questions that I had asked Mark, the surveyor from Cuyahoga Falls.

I was impatiently awaited an email response when the phone rang. It was Brent Jones from ESRI. "Good morning Josh". The conversation started like this. "You had some great questions and I wanted to go over them with you over the phone." Pen in hand already, I asked Brent to proceed. We discussed a new version of ArcGIS 10, which is scheduled to be released later this year. Apparently, the ears have been burning on the GIS software developers. New software advancements are going to change the way we manage, view and edit CAD data in a GIS. Brent Jones explained when ESRI's ArcGIS 10 is released this summer it will have the ability to connect AutoCAD to ArcGIS Server named ArcGIS for AutoCAD. Jones goes on to say that when a user creates a feature class in ArcGIS; it can be



Joshua Appleman
GISP

[\(Cont'd on Page 21\)](#)

CPD Seminar Review

March 4, 2010

Laser Scanning and its software and its influence in today's industry

by Leica Geosystems

The April seminar featured laser scanning technology. Now I have to admit I have observed laser scanners in operation at our annual conferences in the past, but this was truly an opportunity to learn the application of this high tech equipment. Greg Schneider and Alex Cherchian of Leica did a great job of presenting the interesting uses of a scanner and its software.



Timothy Feller
Past President

Scanner technology to me appears to be the future of recording existing features, whether these features are land, buildings or any object one can think of. The scanner has the ability to recognize and record some of the finest detail. I was very impressed now the scanner was able to record highway or parking stripes. Imagine setting this instrument up then orient it, and let it do its business. Some interesting tricks are to recon buried valves or cleanouts then mark them with coded stakes so that the cad operator can readily identify the feature.

I was thoroughly impressed with the virtual graphics and could easily see how any design person familiar with working in a three dimensional environment would quickly embrace a final 3D product. The real challenge would be training the CAD operator to working in this environment. I am confident that this up and coming crop of button mashing video game playing youth would catch on mighty quick. Quite possibly this is the technology that just might lure these kids to the surveying profession. All new technology comes with a drawbacks, possibly, it looks like you would need to shell out some hard to come by cash to purchase a scanner and its software.

[\(Continued on Page 19\)](#)

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CPD Seminar Review

[Cleveland Surveying News - May 2010](#)

[\(Cont'd from Page 17\)](#)

Unfortunately surveyors' have not been big in marketing; actually they happen to some of the worst. I sometimes think surveyors only marketing strategy is price! Wrong!!! The new guy on the block with marketing and creativity would soon be the "go to guy" in laser scanning and have the ability to select his projects and with no other surveyor to rough him up on the cost of his/her professional skills. Look for some more new technology at May seminar.

Executive Committee Meeting Highlights

April 19, 2010 **Parma City Hall.**

In attendance: Jack Hoy, John Dailey, Rick Ziegman, Tom Snezek and all officers except Chris Tomko.

Communication: A Facebook page will be created.

Membership: Sean Snezek gave an update on membership and will continue to contact those who have been dropped.

Program: The search for a location of the June meeting is being finalized.

Old Business: The feasibility of scanning Cuyahoga County's original Tax Maps is still being considered. There is concern about losing the ability to access the Map books in the future.

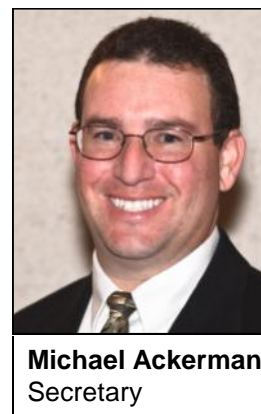
New Business:

The chapter is looking into what to do about acquiring old records from surveying companies that have gone out of business. One possibility is to make them available online.

The questions submitted by Dean Frederick concerning unlicensed soil scientist performing survey work were discussed. Jack Hoy added that as-builts were not included in Dean's questions.

Rick Ziegman gave an overview on the status of the golf outing. He was looking for feedback on the possibility of eliminating the door prizes and adding either a sleeve of balls, hats, or towels instead. Earlier in the year, the budget was change to allocate more money to upgrade the prizes. This year's golf outing will be looked at as a membership drive with the possibility of a reduced rate for new members. (waive the chapter fee)

It was brought to President Straub's attention the Farm Bureau is supporting the non dual registration requirement to become a county engineer. It was suggested the State Board contact the Farm Bureau to reiterate its policy.



Michael Ackerman
Secretary



April 19th's
meeting at
Parma City Hall

37th Annual William J. Haas Memorial Golf Tournament

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FRIDAY JUNE 25, 2010

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- Anyone can help sponsor the event by monetary or door prize donations
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Company Name as it will appear in written materials:

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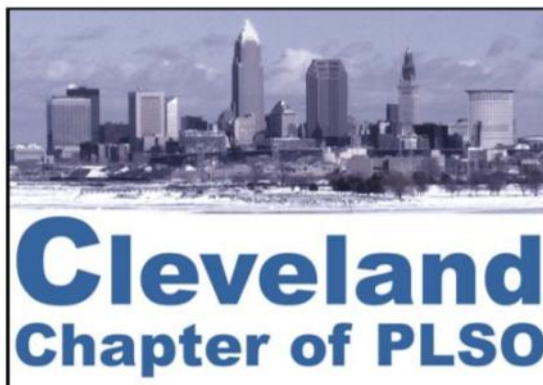
City: _____ St: _____

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- ☐ Hole Sponsor \$ 125.00
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37th Annual William J. Haas Memorial Golf
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dadsurv@hotmail.com

Cleveland Chapter Scholarship

[Cleveland Surveying News - May 2010](#)

The Chapter Executive Committee has extended the application deadline to June 1st.

Our Scholarship page is now available on our website at: <http://www.plso.com/scholarship.html>

Our scholarship application can also be found at: [Application](#)

G.I.S. Layers *(Cont'd from Page 16)*

consumed in AutoCAD via WFS or Web Feature Service. Additionally, features can be created in AutoCAD and published in ArcGIS Server which leverages GIS data management capabilities to centralize data in a surveyor's or engineer's office while using familiar CAD tools. Data collected in the field can be deposited into ArcGIS Server and can be served to all AutoCAD users. This allows data layers that change little such as topo to be stored once and managed/updated from on desktop, really having everyone use the same data.

So, without question, there is light at the end of the tunnel. Having just loaded ESRI's ArcGIS server at our office and working with CAD integration issues first hand, this was welcoming news. Brent went on to discuss that, while surveying work is slow, GIS can offer new business opportunities for the land surveyor. Surveyors can use GIS to manage their

own projects and data. Brent added, "Surveyors are used to working with just a flat file. GIS allows you to create features from a text file. For A hands-on approach you can explore some of the tools online including, but not limited to: ArcGIS Data Interoperability (Extension) www.esri.com/library/brochures/pdfs/arcgis-datainteroperability.pdf. FME Suite (Integrated Collection of Spatial ELT) Extract, transform and load tools) www.safe.com.

With that, one can only conclude that our industry will continue to evolve. Technology is the engine that drives accuracy, efficiency, and better results. With that thought in mind, stay tuned for more changes in the future as we strive to work smarter, solve problems, and contribute to the bottom line of our employers and our clients.

Joshua Appleman

2010 Cleveland Chapter Calendar

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 Seminar Meeting

Sept 10 State Executive Committee Meeting

Sept 13 Executive Committee Meeting

Sept 15 Cleveland Surveying News Deadline

Sept 29 Cleveland Land Surveyor Deadline

Oct 7-9 PLSO Fall Seminar, Sandusky

Oct 7 State Executive Committee Meeting

Oct 14 Seminar Meeting

Oct 18

Oct 20

Oct 27

Executive Committee Meeting

Cleveland Surveying News Deadline

Cleveland Land Surveyor Deadline

Nov 4

Seminar Meeting

Nov 12

State Executive Committee Meeting

Nov 15

Executive Committee Meeting

Nov 22

Cleveland Land Surveyor Deadline

Dec 10

State Executive Committee Meeting
(if needed)

Dec 13

Executive Committee Meeting
(if needed)

Jan 14

State Executive Committee Meeting

Jan 17

Executive Committee Meeting

Jan 19

Cleveland Surveying News Deadline

Jan 27

Annual Meeting

Feb 7

Executive Committee Meeting
(if needed)

Executive Committee Meetings:

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