

Cleveland Surveying News

May 2008

35th Annual William J. Haas
Memorial Golf Tournament

June 27, 2008
Pleasant Hill Golf Course

In This Issue:

- Golf Outing Registration Form
- June Meeting Details
- CSN Photography



Cleveland
Chapter of PLSO

Circulation: 207 issues

Editor & Photographer

Robert Hoy, P.S.

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On the cover: "Golf in Summer"
Pictured: Mallard Creek Golf Course
Photo: © Robert Hoy 2007

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Editor's Message

Do you like to look at old maps? Do you need to find old maps for your projects? I stumbled across a website that made my jaw drop when I saw what it has available, but maybe I'm the last person to find it. www.railsandtrails.com

Some items it has: 1904 USGS Topo maps, Hopkins maps 1858-1927, many City of Cleveland maps, railroad maps. Most images have been scanned with incredible clarity and resolution and are in a special DJVU file format. You can follow the site's DJVU instructions, at the bottom of their site, or install this easy image viewer to view these image files: <http://www.irfanview.com/>

The site states that original maps were often scanned which is apparent when you see the clarity and these images.

Please read the License/Copyright information at the bottom of the site for rights of use.

Robert Hoy
CSN Editor

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The Cleveland Chapter is actively seeking a new Trustee to replace its recently resigned Program Trustee. Please contact the president or president-elect if you are interested.

Bob Papotto and John Hoy are heading-up the newly formed Scholarship Committee, and are looking into the details of establishing a Cleveland Chapter program.

In regard to the construction industry's trend toward "automatic machine control" of earthmoving equipment, here is a sample Plan Note in the spirit of the C.O.P.S. guidelines that may be helpful (feel free to incorporate it into your own projects):

"THESE PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS (INCLUDING ANY ELECTRONIC FILES) WERE NOT PREPARED FOR, AND ARE NOT INTENDED TO BE USED FOR 'G.P.S.', 'MACHINE GUIDANCE' OR AUTOMATIC CONTROL OF CONSTRUCTION OPERATIONS. ELECTRONIC FILES ARE NOT AVAILABLE FOR SAID PURPOSES. IN THE EVENT THAT CONSTRUCTION OPERATIONS EMPLOY MACHINE GUIDANCE OR AUTOMATIC CONTROL, THE CONTRACTOR SHALL ENGAGE A QUALIFIED PROFESSIONAL SURVEYOR OR PROFESSIONAL ENGINEER TO PREPARE ELECTRONIC FILES, CREATE DIGITAL TERRAIN MODELS AND TO CALIBRATE THE SAME AT THE SITE. THE CONTRACTOR SHALL SUBMIT SIGNED AND SEALED ELECTRONIC FILES, DIGITAL TERRAIN MODELS AND CALIBRATION DOCUMENTATION (IN BOTH ELECTRONIC AND PRINTED FORMATS) TO THE ENGINEER OF RECORD IN ACCORDANCE WITH SHOP DRAWING REQUIREMENTS."

Embodied in this Note are two concepts:

- 1.) Surveyors should be involved in all stages of the process.
- 2.) Not all plans and surveys are prepared with the necessary care and precision for machine control—but a liability may exist regardless.

This important trend merits further discussion—Come to the June 5th General Meeting in Rocky River and discuss it with your colleagues.

Peter D. Zwick, P.S., P.E.



**Peter Zwick
Chapter
President**

CSN Photography

Have you enjoyed the photography that has graced the covers and pages of the Cleveland Surveying News over the past few years? Come see our best work this summer at Fine Art & Craft shows around the Cleveland area. We will be selling matted and frame prints in a display booth we are building ourselves.

Show Schedule:

- Art by the Falls, Chagrin Falls - June 7 & 8
http://www.valleyartcenter.org/art_by_the_falls.html
- Willoughby Artfest, July 19
<http://willoughbyareachamber.com/joom/content/view/17/47/>
- Lakewood Arts Festival, August 2
<http://www.lakewoodartsfest.org/>



Our booth will be listed as Hoy Photography or Photography by Hoy. Also visit our soon to be finished website: www.photographybyhoy.com

Robert & John Hoy - CSN Editors

The Trig-Star Test winner. Trinity Senior Anthony Papa, will be awarded a \$ 50.00 cash prize and a plaque at our June 5th meeting. He and his parents will be guests of the chapter. The math instructor, Ms. Nancy Barile, will also be awarded a \$ 50.00 cash prize for administering the test.

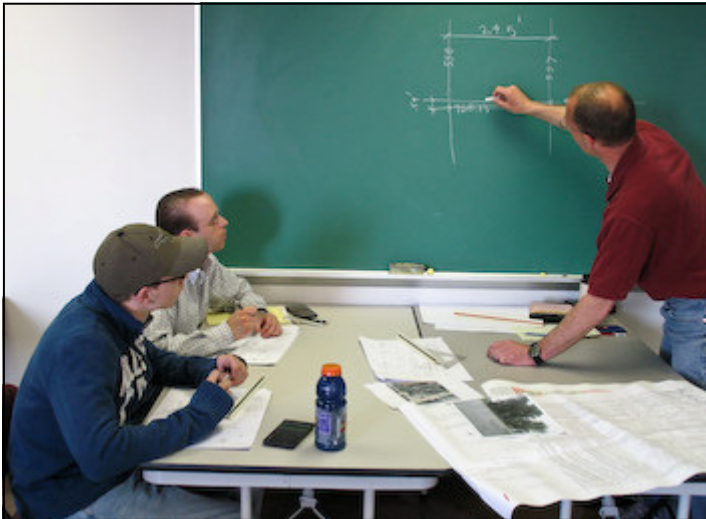
The **May 10th** Technician Workshop at the Cuyahoga County Engineer Training Facility, although not well attended, was productive and beneficial. Participants learned about USGS mapping, and the various record hard copy and internet data available to assist in preparing topographic surveys. Participants interpolated elevations and plotted contours from a set of spot elevations by



Robert A. Papotto

hand. They also learned how to analyze electronically imported points and create breaklines and contours using commercial software.

We hope to present a similar workshop in the Fall, either on a Saturday morning or in the evening. Owners and Survey Managers should encourage their new survey technicians to attend. Ideas for other topics for Technician Workshops are always welcome



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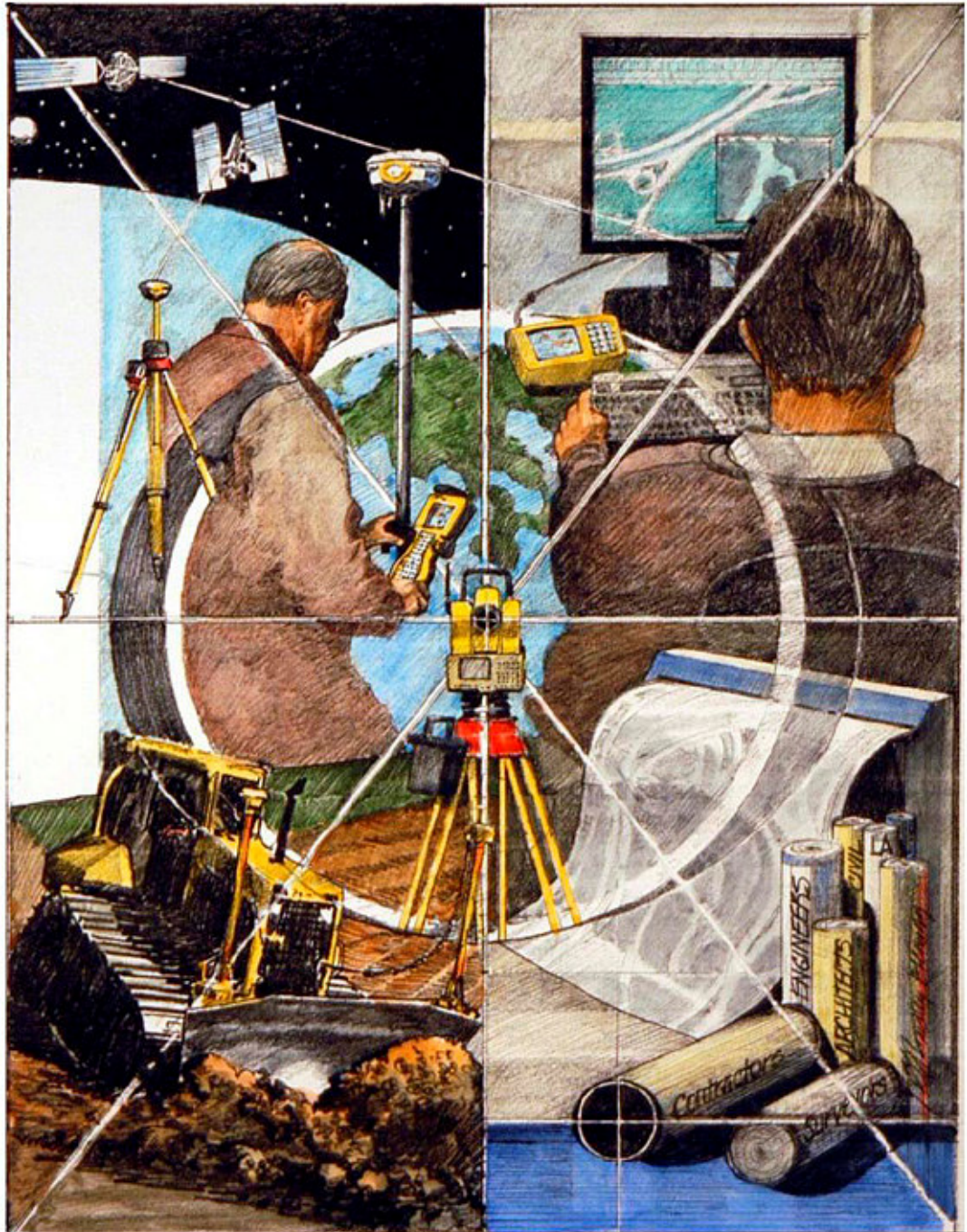
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General Membership/Trig-Star Award Meeting

Thursday June 5th, 2008

Beachcliff Tavern
19245 Detroit Rd
Cleveland, OH 44116

Price & Meal:

We will be ordering off their regular menu. You will pay your own bill for the selections you order.



Timothy Feller
 President-Elect

Schedule

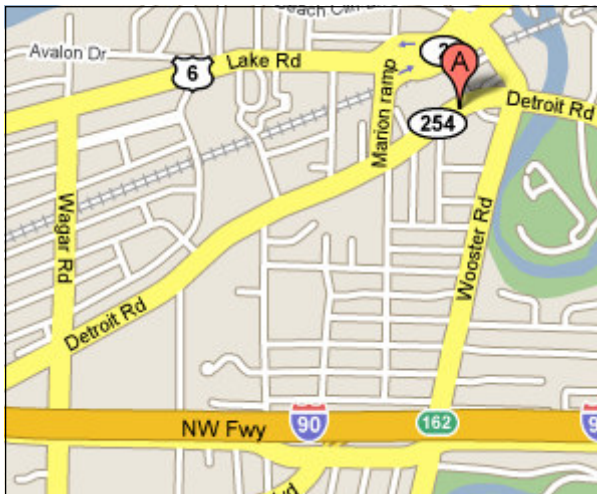
5:30 - 6:00: Social Time
 6:00: Dinner
 6:45: Program

Program

Chapter's Trig-Star high score student Anthony Papa and his math instructor Nancy Barile will be recognized.

Reservations

Call or email Tim Feller by Tuesday June 3 at
timf@mcsteen.com or 440-585-9800



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Golf Outing

Friday June 27th is the annual William J. Haas Memorial Golf Tournament. This outing is one of the most enjoyable events of the year that is held by the Cleveland Chapter of PLSO. What a perfect opportunity to socialize with fellow surveyors and a low handicap is not a requirement just a fun attitude. If you are not a golfer or have a full schedule that day, please take time to attend the dinner at 6:00pm . The socializing starts at 3 p.m. Cash and door prize donations are welcome as always. Fore!

[See Page 5 for registration form](#)



Timothy Feller
President-Elect

Fall CPD Seminar Dinner Meetings

The Chapter will resume dinner meetings with a speaker this fall. These will be held at the Marriott Hotel on W. 150th Street again as in the past. We will host 2 or 3 seminar meetings with either 1 or 1.5 hours of seminar time. The October or November meeting might be a social dinner meeting instead of a seminar format. Look for registration information in the August issue.

- September 4, 2008: Contract Liability, by Eric Pempus, AIA, NCARB, CSI
Eric Pempus is an Account Executive at Selvaggio, Teske & Associates. With over 30 years of experience in the design professional community as an architect and construction law attorney, Eric is a licensed architect in Ohio, California, and North Carolina, and an attorney in Ohio. He is responsible for new business development and managing current STA client with insurance program placement, contract review services and educational and in-house loss prevention programs.
- October 2, 2008: TBD
- November 6, 2008: TBD



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Executive Committee Meeting highlights from 05/12/08, office of John R. Hoy & Assoc:

Officer absent: Chuck Flanigan. Also present: Jack Hoy, John Dailey

President Zwick noted Louise Veverka's resignation as Program Trustee.

President-elect Tim Feller has scheduled the next general membership meeting at Beachcliff Tavern.

John G. Hoy reported the 2008 Annual Conference reported a profit, although smaller than budgeted.

Robert Hoy stated that Leica has signed-on as a new full page advertiser for the chapter newsletter.

Though not highly attended, Bob Papotto reported the Technician Workshop went well. The committee decided not to hold a summer social this year.

John Dailey reported the Data Bank is up and running and that the **City of Parma** Building Department is informing homeowners that mortgage location surveys are OK to use for build fences and other improvements.



Michael A. Straub
Secretary



Data Bank Discs

The larger survey drawings of the Chapter's Data Bank were scanned, in 1998 and 2004, before all the documents were donated to the Cuyahoga County Archives. (They are now County property and are not owned by the Chapter.)

1st Scan - Donation: \$100.00

Approximately 7,000 survey files in TIFF format on a CD.

2nd Scan - Donation \$25.00

Approximately 3,000 survey files in TIFF format on 1 DVD or 4 CDs (Please specify which disc medium when ordering.)

Both scans come with printed and bound index, provided by William J. Vondra, listing surveys by township then by original lot. All proceeds of these donations will go towards the scholarship endeavors the Chapter has recently embarked upon.

Note: These items can be purchased only by PLSO members, must be picked up at Chapter meetings only, and have to be ordered in advance.

For information and ordering, contact Robert Hoy at 216-389-7677 or k666@cox.net

Let's talk some history. The first recorded labor dispute in the Connecticut Western Reserve came in 1796 during the first surveying expedition by Moses Cleaveland and his cohorts. But first, a little history of that history.

Cleaveland and his two principal assistants, surveyor Augustus Porter and astronomer/surveyor Seth Pease hired on a crew for a two year period. No one anticipated the heavy woods or the harsh working conditions they would encounter. The crews were split up to perform several tasks at one time. One of the crews, Porters, was pulled off the job of running township lines to survey the actual location of the south shore of Lake Erie. The remaining crew was expected to continue and complete the survey of the township lines east of the Cuyahoga River. This just added a lot more work to the township crew.



John E. Dailey

Lack of food and supplies and a combination of malaria and dysentery took its toll. This combined with low wages for the services being performed and the added work contributed to the general dissatisfaction among the survey parties. When the two crews got together, there was a great deal of talk and griping. Nearly all the township crew and some of the shoreline crew decided to lodge a protest. Amzi Atwater, of whom I wrote two years ago, called the protest a "mutiny."

Moses Cleaveland was a good negotiator. He wanted to get back to the work at hand and complete as much of the survey as possible before the winter set in. He offered the survey parties extremely good terms for purchasing a township. We do not know who chose Township 8, Range 11, but this is the one decided upon. It happens to be the largest township in the Western Reserve and one of the most valuable. It contains almost 36 square miles as opposed to the normal 25 square miles, had Lake Erie frontage and good streams and drainage. It was high enough above the lake to be out of the swamp lands.

Cleaveland set the price of the land within the township at \$1.00 per acre, payable by the end of 1799. Other caveats were that by end of 1799, the purchaser had to build a log or frame dwelling and clear eight acres of his own land and plant it with wheat. There were other requirements that will not be discussed in this column. An agreement was reached and the crews went back to work. The survey crews named this township in honor of the father of geometry, Euclid.

It is hard to divide anything into 41 relatively equal portions, but the survey parties tried. First to be set aside were the "Lake" lots, 41 lots along the Lake Erie shore, set roughly perpendicular to the shore line, each containing about 84 acres. Then the "gore", an area south of the "Lake" lots with the northerly line a diagonal line roughly paralleling the shore line and an approximate east-west line. This contained, again, 41 lots each of about 148 acres. South of the "gore" was the "square", an approximate 4 mile by 5 mile block containing about 40 standard lots.

This looked good on paper, but various survey errors, tough working conditions and poor equipment probably caused more problems than were solved. For a surveyor's township, it left much to be desired.

Executive Committee Meeting on Friday, May 9, 2008

Call to order: 6:05 p.m.

Upon completion of a roll call, determination of a quorum, acceptance of the January minutes and Treasurers report the meeting turned to unfinished business.

- 4.1 The Executive Director situation: we are still following through on requests from the Ohio Civil Rights Commission.
- 4.7 Website Upgrade: work has started and a prototype site should be ready for testing within two weeks. We have no insurance issues but should consult with our attorney concerning the acceptance of rules and regulations for use.



John G. Hoy
Delegate

New Business

- 5.1 Acceptance of new members, (an incomplete list was included in the agenda package) Amy Kelly was a reinstatement for the Cleveland Chapter.
- 5.2 Crime: Brad Kramer passed along information sent to him about survey crews are now being treated as easy targets. Unfortunately it is becoming common knowledge that they are usually alone and have expensive equipment. Making a proactive move, one company is now authorizing at least one member of each crew to train for a concealed carry permit. It's something to think about. Already, some firms around the country are having problems retaining complete insurance on their equipment.

Committee Reports

- 6.3 State Board of Registration: Beginning January 2009 the Board will begin using the revised course worksheet proposed by PLSO for applicants for licensure under section 4733.11 (B)(2)(a).

(Continued on Page 14)

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	\$0.36 ea

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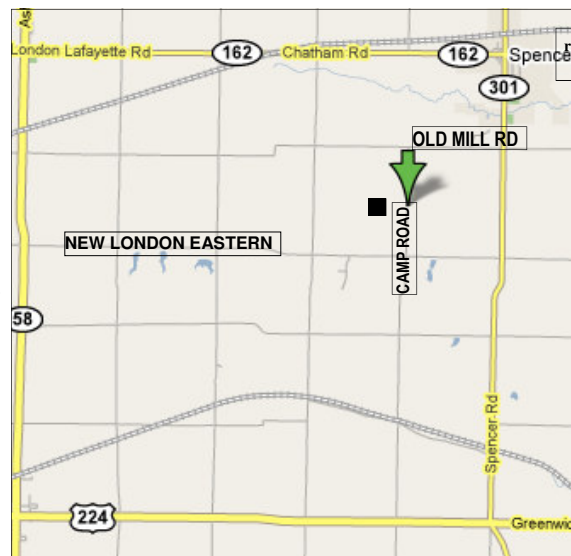
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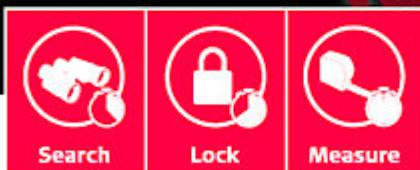



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(Continued from Page 12)

Random audits for CPD compliance have begun. At least two Northern Ohio Surveyors are facing charges of falsification on their renewal.

- 7.1 Political Action Committee: Balance in the fund is \$1,484.85.
- 7.14 PLSO Vision Committee: Still being formed and determining the parameters of its goals.
- 7.15 Executive Director Search Committee: No progress, no report.
- 7.2 Newsletter Editor Report: Issue 1 should be received, Issue 2 being assembled, deadline for Issue 3 is July 15, 2008.
- 7.41 The Program Committee is meeting at 4:00 p.m. on July 11, 2008 at Columbus State Community College prior to and in the same room as the Executive Committee meeting.
- 7.411 Annual Conference: Preliminary Accounting report for the 2008 Conference in Cleveland lists a profit of \$22,952.48 of which \$3,000.00 is earmarked for the Cleveland Chapter. Although the conference is described as a success, the PLSO 2008 budget called for a \$30,000 profit from this event. The 2011 Conference is tentatively scheduled for Cleveland but there is also a question of Co-Hosting the ACSM Conference that year.
- 7.412 Fall Seminar: The 2008 Seminar hosted by the Scioto Valley Chapter is arranging final speaker selections.
- 7.42 Membership Committee: Bob Akins is working on an outline for a new member brochure and thanked Bob Hoy for his suggestions.
- 7.47 Past Presidents Committee: Brad Kramer suggested it is a good time for another PPC retreat which could be scheduled for late summer or early fall.
- 7.48 Scholarship Committee: Rion Myers has a meeting scheduled in July.

Chapter Reports

- 8.6 Firelands Chapter meeting for May 21st, 6:00 p.m. at the Huron County Engineer's Office is a CPD seminar on State Plane Coordinates with Jim Kenyon speaking. For more information contact Rusty Rosebeck: rusty_rose@centurytel.net

Motion passed to send a letter of support and a \$1,000.00 donation to the Travel America Program for their summer surveying camp.

- 10.1 Barb Jones will be out of the office June 5 – 23 on vacation.
- 11.0 Paul Dinan received a proposal from Jeff Lucas to prepare a case specific boundary law book and seminar package for PLSO. The proposal arrived without time to review. It will be distributed to the Delegates for discussion at the July meeting.

Respectfully submitted,

John G. Hoy, P.S.

I am proud to have Leica Geosystems as an advertiser for the remainder of the year. To enhance our growing publication, I am working on a new recurring article I hope to have available for the next issue.

In the last couple of issues, I've mentioned the archive of early Chapter letters and newsletters donated by John Dailey. Here is a portion of one of the most important passages I've read from them.

From "Backsights and Foresights", May 1974 (prelude to the Chapter newsletter):

No longer will we harbor men who are "between jobs" or "unable to find other employment." We will be selective in choosing men who would make surveying their career, jealously guarding against those who would demean the profession. Those who are selected will be expected to enhance their abilities through experience and by availing themselves of the educational programs we provide, for which they will be compensated in a manner that will enable them to be proud of their endeavors and not "second class citizens."

Proprietors will no longer be forced to compromise their standards for the sake of expedience. Quality and service will be their selling points with experienced, concerned personnel available to provide them. In engineering oriented firms the surveying portion will at least be self supporting. Remember, profit is not a dirty word in the surveying profession!

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

That passage still holds true in today's business environment. It is very easy to correlate the above passage with the creation of the Chapter's 2-year Survey School; however, the diminishing support for our Survey School shows a divergence of surveying companies and one of the principles PLISO was founded upon: advancement of the surveying profession. I have worked in recent years with field crew chiefs that did not know the fundamentals of plane geometry and whom could not perform surveying calculations without data collector routines. When a crew chief calls the office twice within a week asking what 4 5/8 inches is in decimals, you know surveying education has taken a back seat to field production.



Robert Hoy
Communication
Trustee
CSN Editor

Cuyahoga County GIS Hard Drive Update

Carefully review the computer software you have and ask the Cuyahoga County Engineer's Office questions about the data format of the information on their GIS hard drive. Reports are circulating that hard drives are being returned to the Engineer because users cannot access the data with their current software. (See county hard drive order form in the March issue on Page 21

http://www.plso.com/pdf/CSN_March_08.pdf)

It might be worth asking the Engineer's office if they will upload their data onto an external hard drive you provide to them since 500GB external hard drives are often found for less than \$200. Also other counties accept user external hard drives for uploading their GIS data and for a much lower fee than the \$150 Cuyahoga County charges.

2008 Cleveland Chapter Calendar

June 5	General Membership Meeting
June 27	Annual William J. Haas Memorial Golf Tournament & Steak Dinner
July 20	State Executive Committee Meeting
August 11	Executive Committee Meeting
August 15	Cleveland Surveying News Deadline
September 4	Seminar Meeting
September 12	State Executive Committee Meeting
September 15	Executive Committee Meeting
September 19	Cleveland Surveying News Deadline
October 2	Seminar Meeting
October 9-10	PLSO Fall Seminar, Kings Island
October 17	State Executive Committee Meeting
October 20	Executive Committee Meeting
October 24	Cleveland Surveying News Deadline
November 6	Seminar Meeting
November 14	State Executive Committee Meeting
November 17	Executive Committee Meeting
December 12	State Executive Committee Meeting (if needed)
December 15	Executive Committee Meeting (if needed)
January 9, 2008	State Executive Committee Meeting
January 12, 2008	Executive Committee Meeting
January 13, 2008	Cleveland Surveying News Deadline
January 22, 2008	Annual Meeting

Executive Committee Meetings

are held at the office of :

John R. Hoy and Associates
4562 W. 130 St., Cleveland

at 6pm and are open to all members
of the Chapter who want to attend.