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# HOOSIER SURVEYOR

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QUARTERLY PUBLICATION OF THE  
INDIANA SOCIETY OF  
PROFESSIONAL LAND SURVEYORS, INC.

VOLUME 38  
NUMBER 2  
FALL 2011



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AFFILIATED WITH THE  
AMERICAN CONGRESS ON  
SURVEYING & MAPPING



**ISPLS 60th Annual Convention**  
**January 18 - 20, 2012**  
**Marriott East - Indianapolis**  
(see pages 15-21 for program)

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First row, L to R: Don Bengel, Valparaiso; Jason Coyle, Fishers; Chuck Coyle, Columbus; Dennis Grumpp, New Palestine; 2nd row: L to R: Kevin Rowland, Carlisle; Rich Hudson, Valparaiso; Ryan Swingley, Fortville; Jim Tibbett, Linton; Don West, Carmel.

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# HOOSIER SURVEYOR

VOLUME 38 NUMBER 2 FALL 2011

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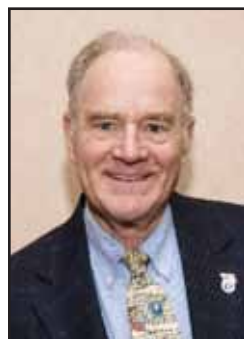
## EDITORS NOTE

Deadlines for copy for various planned issues of the Hoosier Surveyor are as follows:

Winter - December 31; Spring - March 31; Summer - June 30; Fall - September 30.

The Hoosier Surveyor is published quarterly by the Indiana Society of Professional Land Surveyors to inform land surveyors and related professions, government officials, educational institutions, libraries, contractors, suppliers and associated businesses and industries about land surveying affairs.

Articles and columns appearing in this publication do not necessarily reflect the viewpoints of ISPLS or the Hoosier Surveyor staff, but are published as a service to its members, the general public and for the betterment of the surveying profession. No responsibility is assumed for errors, misquotes or deletions as to its contents.



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# Tidbits from the President

by Charles M. "Chuck" Coyle, PLS, Columbus, Indiana



Greetings ISPLS Members,

Wow, it's been several months since my last "Tidbits of Information", and much has transpired with ISPLS:

- Shortly after I prepared my last note we received notice from our then Executive Director, Dianne Bennett, advising us that she would be retiring from her position

with ISPLS as of the end of September. This was quite a surprise to me as she and I had previously discussed that she might be around for a couple more years. And while she did give the Board two plus months to find a replacement, you need to understand that as a volunteer board, with members from all parts of the state, it is difficult to react that quickly to a situation like that. Dianne had held the position for over 23 years, so this was not a task that the BOD was accustomed to. As quickly as we could "muster-up" the BOD approved the appointment of a Search Committee. A solicitation was sent out to the ISPLS membership on the List-serv. While this may not have provided for the most widespread solicitation, it did prove effective as several of our members passed the word along to relatives and friends. A deadline was established to receive applications and resumes. By that date the Committee had received responses from six applicants... a few with non-profit organizational skills; one with organizational skills on the political spectrum; and a couple of our very own members who thought that they could contribute to our Society in a greater way. After a marathon day of face-to-face interviews with all six applicants, followed by a meeting of the committee a couple of days later the committee believed they had found one candidate that stood out above the others. Today we have Robert "Jason" Coyle carrying the title of Executive Director.

I know that some may think that there is some strange coincidence that the son of the current President had some distinct advantage, and I can assure you that was not the case. Jason had already taken the lead to move ISPLS toward our new website. As a current Board member he had already proven himself to the BOD by his willingness to contribute his time and talents. How much more could we possibly squeeze out of him if we hired him full time? I believe that the proof is

in what we can now see in our new website, and in other money saving changes he has found and made in only his first couple of months as executive director.

During our Annual Business meeting we will be able to display several of the achievements that the ISPLS BOD has brought forth this year, many of them initiated by our new Executive Director, Jason Coyle.

- While ISPLS has made several advances this year, the Crowning Jewel has to be our new website: [www.ispls.org](http://www.ispls.org). This year ISPLS has partnered with Affiniscap, a website provider that specializes in organizations like ISPLS. It was roughly a year ago that Affiniscap contacted me to try to peddle their wares. I was trying to quickly pass them along when they quickly threw out some of their many useful features and helpful tools; several of them were things that we had desired to have in our website, so I passed the Affiniscap information along to the Co-Chairs of our Young Professional Committee, Ryan Swingley and Jason Coyle. The rest is now history, and our new website is a reality. The site went live just in time to accept on-line registration for our upcoming 2012 convention. I hope many of you have taken advantage of registering on-line. A demonstration of the site will be conducted during our Annual Membership Meeting on Thursday afternoon of the convention.

- With the hiring of Jason Coyle as our new Executive Director he submitted his resignation from the Board of Directors. The Board appointed Eric Banschbach to fill the remaining two plus years of the open Board seat. Eric was on the ballot for the Board of Directors a year ago and had received the next highest vote total. I am very excited to welcome Eric to the Board and look forward to working with him.

- Another item that I am very pleased to advise the membership of is our moving forward with development and activities of the IPLS Foundation, Inc. In 2009 ISPLS moved to create a 501(c)3 Foundation to be a vehicle for ISPLS to provide scholarships, grants, and financial partnerships. Recently we learned of a cause that excited both the IPLS Foundation Board and the ISPLS Board of Directors. It was an opportunity to partner with IGIC to help fund the new statewide LiDAR point cloud dataset that will include more than four terabytes of elevation data, consisting of billions of individual X,Y,Z data points precisely mapping the surface of Indiana. This

...continued Page 14



# ISPLS Board of Directors Meeting Highlights

by Robert “Jason” Coyle, PLS, Executive Director

**June 25, 2011**

The ISPLS Board of Directors met on Saturday, June 25, 2011 on the campus of Vincennes University. Vice-President Don West called the meeting to order at 10:20am EST. The minutes from the previous BOD meeting were reviewed and approved.

ISPLS Foundation - An update was given on recent activities.

Chapter Reports were given verbally by those in attendance.

Ryan Swingley informed the BOD that he had committed ISPLS to present up to four educational sessions at the 2011 Indiana State Fair in conjunction with IGIC and the Boy Scouts of America.

The budget for the 2011-2012 fiscal years was discussed with Gary Kent (via telephone) going through the budget and also highlighting and explaining some of the line items. Those line items included actual investment income, payroll, capital improvements, government affairs and lobbyist fees, and possible savings on credit card charges through Affiniscap. It was also mentioned that ISPLS could realize a reduction in part-time payroll expense. There was a discussion regarding splitting budget item P-10 by adding item P-11 to better depict this (full-time vs. part-time payroll). A motion was made by Ryan Swingley and seconded by Gary Kent to approve the amended budget. The motion carried by voice vote.

Chuck Coyle (via telephone) updated the BOD on the status of the office with regard to purchases of furniture, computers, etc. To date, office purchases are approximately \$4,700 less than the amount approved at the April BOD meeting.

Treasurer’s Report – Dennis Grumpp provided a written report via e-mail for the BOD review. A motion was made by Ryan Swingley and seconded by Jim Tibbett to accept the Treasurer’s report. The motion passed by voice vote.

Executive Director’s Report – Dianne Bennett submitted a written report via e-mail for BOD review. In her report she noted the deadline for the Hoosier Surveyor and articles for the summer issue was July 15<sup>th</sup>. Membership renewals were sent out June 13<sup>th</sup> and 14<sup>th</sup> with a subsequent notice to be sent in July. She has sent IRS filing information to the ISPLS Chapters. She also noted that all the office furniture and computers are now in place.

A short lunch recess enabled the BOD to enjoy lunch provided by Vincennes University. Don West called the meeting back

to order and promptly thanked Bill Clark and Austin Yake for hosting the meeting. He also thanked Kelly Marley for attending as a visitor.

Great Lakes Council Governor’s Report – Don Bengel stated that he is looking forward to attending the ACSM/NSPS conference and added that Tony Gregory will be traveling west for Trig Star as well.

Jim Tibbett stated he would like to see the membership updated regarding the exact final language of SB374. Bill Clark asked if ISPLS could print the right of entry information on back of membership cards.

Education Committee Report – An e-mailed packet included report and letter. Brad Cramer submitted a written report outlining a request by the Southwest Chapter to allow Dennis Mouland to put on a “Lotted Sections workshop” on November 4, 2011. The committee recommendation is for approval of the workshop for 8 CEH of mandatory credit. The committee also reviewed a request by the ISPLS-IGIC Height Modernization Committee to put on a seminar “Hamilton County Height Modernization Project”. The committee recommended approval of 12 CEH of elective credit. Ryan Swingley provided the BOD with an overview of the proposed training and field observations along with explanation of the exam component necessary to receive the 12 CEH credits. A motion was made by Jim Tibbett and second by Don Bengel to approve the recommendations by the Education Committee, and endorse the two training sessions. The motion carried by voice vote.

There was a short round table discussion regarding a potential endorsement of an insurance carrier. Don Bengel reiterated that he would like a carrier to look into the possibility of a state wide ISPLS group for the membership. In theory, this could help small firms with less than three employees get affordable coverage.

Perry Cloyd mentioned the possibility of initiating some type of scholarship for our unemployed ISPLS members to help cover convention fees and/or membership dues.

Don West adjourned the formal ISPLS BOD meeting at 12:45pm, and turned the meeting over to Bill Clark for the Advisory Review of the Vincennes University Surveying Technology Program. Art Haase, V.U. Dean of Technology also joined the meeting. Bill Clark passed out binders with the course outline, enrollment statistics, employment placement, etc. Bill Clark wants to confer with the ISPLS Young

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Professionals Committee regarding assistance with student recruitment in high school tech centers. Some goals and direction was discussed regarding machine control, laser scanning, and the potential to have an “on-line” four year degree offering.

There was a discussion about the “Project Lead the Way” program and the potential for VU and ISPLS to host and support a three day high school technical educator training session. The thought would be for high school teachers to stay on campus and learn about surveying so they would in turn be able to enlighten students across the state about our profession.

Art Haase gave the BOD an overview of the CST program and his involvement as chair.

The BOD was then given a tour of the Technology Building and the ICAT Building. Ryan Swingley will follow up in the future regarding utilizing the Vincennes University facilities for webinars, etc.

### **August 6, 2011**

The ISPLS Board of Directors met on Saturday, August 6, 2011 at ISPLS Headquarters, Indianapolis Indiana. President Chuck Coyle called the meeting to order at 9:06 am EST. The minutes and treasurer’s report were reviewed and approved.

Staff Activity Report – A written report was submitted for Board review. The report consisted of the following items; Hoosier Surveyor, Trig Star, Membership, and Accountant. Chuck Coyle completed the staff report by reading Dianne Bennett’s resignation letter. A MOTION was made by Jim Tibbett and seconded by Don Bengel to accept Dianne Bennett’s resignation effective 09/30/2011. The motion carried by a voice vote.

Chapter Reports were given verbally by those in attendance.

The following committee reports were given;

ISPLS Foundation – Perry Cloyd and President Coyle gave a report on recent activities.

Communications – The Membership Committee recommended approval of New Members. A MOTION was made by Jim Tibbett and seconded by Kevin Rowland to accept the committee’s recommendation. The motion carried by a voice vote. A verbal report was given by President Coyle concerning Trig Star. Ryan Swingley gave a verbal report on IGIG activities at the Indiana State Fair.

Professional Development – Education Committee: Doug Herendeen presented a report concerning the 2012 Convention and Gaming Issues. Herendeen reported that a Convention Gaming License bank account has been set up. President Coyle announced two “on-line” classes, one each at VU and PUC for the Fall Semester 2011. The Board discussed the VU review at the June BOD meeting and the “Project Lead the Way” program. Ryan Swingley gave a verbal report on the recent activities and continuing education opportunities concerning Height Modernization.

Scholarship – Kevin Rowland gave a verbal report on the Purdue University ISPLS Scholarship followed by Board discussion.

Government Affairs – The next Board of Registration meeting is October 14<sup>th</sup>. County Surveyors are now required to have Continuing Education. The NSPS Governor of the Great Lakes Council, Don Bengel, gave a verbal report concerning the status of ACSM and NSPS. Ryan Swingley gave a verbal report on the GPS-GIS Monumentation Committee. SB 374 Right of Entry Law went into effect July 1, 2011. Chris Marbach presented a written and verbal report regarding the Indiana Michigan Boundary Line Commission and issues to be resolved concerning the Indiana funding of the Commission. A motion was made by Jason Coyle and seconded by Ryan Swingley to utilize ISPLS resources, ISPLS Lobbyist and the ISPLS Legislative Committee, to pursue amending the Indiana Senate Bill 530-2009 effective date July 1, 2009 as follows: a) Enables the interstate cooperation necessary to effectuate this act, b) Provides that the State of Indiana will share the responsibilities and costs of determining the Michigan-Indiana border in an equitable manner, c) Ask for the appropriation of \$500,000 to match the Michigan funding in Act No., Public Acts of 2010 (\$100,000 per year if that would be more palatable), d) Revise the expiration date of IC 1-3-2 to 2018 (Legislative action in 2012). The motion carried by a voice vote.

Internal Affairs – The Past President’s Council is discussing the BOR “mandatory four year degree” requirement. Ryan Swingley gave a verbal report concerning the Young Professional Committee. The By-Laws committee will be reviewing “Society Expulsion.”

Old Business – Review of the VU Review and Multi-Media Center. Capin Crouse e-mail was sent to all ISPLS Chapters concerning Chapter Filing Requirements. The New ISPLS Website is being built and we are requesting surveying photographs. Gary Kent has been working on the Employee Handbook & Job Descriptions.

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New Business—Action for New Executive Director/Secretary search and Board discussion. A search committee of Chuck Coyle, Gary Kent, Dennis Grumpp, Don West and Doug Herendeen was proposed. There was Board discussion concerning ISPLS Insurance review and Insurance endorsement considerations: Terry Ford, Coliance Risk Advisors and Tom Warner, Walker and Associates Insurance.

### **September 17, 2011**

The ISPLS Board of Directors met on Saturday, September 17, 2011 at ISPLS Headquarters, Indianapolis, Indiana. President Chuck Coyle called the meeting to order at 9:00 am EST. The minutes and treasurer's report were reviewed and approved.

Staff Activity Report – A written report was submitted for Board review. The report consisted of the following items; Lobbyist, Hoosier Surveyor, Seminars, Membership, Accountant and Nominations.

Chapter Reports were given verbally by those in attendance.

The following committee reports were given;

ISPLS Foundation – Perry Cloyd gave a report on recent activities. The Foundation will support the IGIC efforts to help fund the State Wide LiDAR with a donation of \$1000. There was Board discussion. A motion was made by Jim Tibbett and seconded by Gary Kent for ISPLS to transfer \$10,000 to the IPLS Foundation for use at its discretion. The motion carried by a voice vote.

Communications – Trig Star: It was noted that ISPLS needs to get the program into more schools; Public Information and Marketing: A verbal report was given by Ryan Swingley.

Professional Development—Education: Doug Herendeen gave a report concerning the 2012 Convention and 2013 Convention which will be hosted by the Central Indiana Chapter; Kevin Rowland gave a report concerning the Southwest Chapter Seminar at Vincennes University on November 4, 2011; a written report was provided concerning the Wabash Valley Chapter Seminar held August 12, 2011.

Ryan Swingley gave a verbal report on the recent activities/continuing education opportunities concerning Height Modernization.

Scholarship – Gary Kent/Kevin Rowland gave a verbal report on the Purdue University ISPLS Scholarship followed by Board discussion. The Northwest Chapter proposal to establish an “ISPLS/PUC Scholarship” was presented by Rich Hudson and Don Bengel.

Government Affairs—The next Board of Registration meeting is October 14<sup>th</sup>. Chuck Coyle will continue efforts with the “motion” passed at the August 6 Board meeting concerning the Indiana Michigan Boundary Line Commission.

Internal Affairs – The Past President's Council is discussing the BOR “mandatory four year degree” requirement. Jason Coyle gave a verbal report concerning the Young Professional Committee and their involvement with the LS/SIT review seminar. The By-Laws committee will be reviewing “Society Expulsion.” President Elect nominations are Vincent Barr, Charles Coyle Jr. and Ron Wharry. A motion was made by Jim Tibbett and seconded by Kevin Rowland to accept the nominations as presented for President Elect. The motion carried by a voice vote.

Old Business – Review of the VU Review, Multi-Media Center and Project Lead the Way. Jason Coyle gave a visual preview of the new website. Gary Kent gave an update/review of the Employee Handbook & Job Descriptions followed by Board discussion.

New Business: Action for New Executive Director/Secretary Search; the search committee consisted of Chuck Coyle, Gary Kent, Dennis Grumpp, Don West and Doug Herendeen. Gary Kent led the committee and board discussions. A motion was made by Gary Kent and seconded by Don West to offer Jason Coyle the full time position of ISPLS Executive Director. There was Board discussion/comment. The motion carried by a voice vote. NOTE: Chuck Coyle and Jason Coyle were NOT involved in any discussions or the vote. A further MOTION was made by Ryan Swingley and seconded by Don Bengel to accept the Compensation package for Jason Coyle with no practice of Land Surveying during his tenure as Executive Director. The motion carried by a voice vote. NOTE: Chuck Coyle and Jason Coyle were NOT involved in any discussions or the vote.

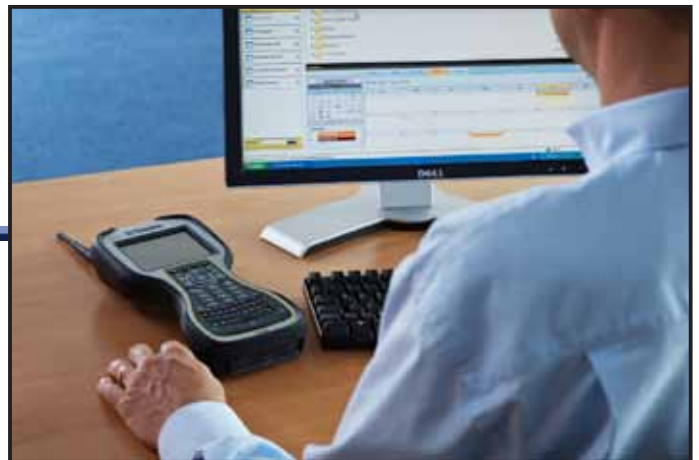


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# “Your” Executive Director

by Robert “Jason” Coyle, PLS



Greetings ISPLS Members,  
“Your” Executive Director! Recently, during the roll-call at an ISPLS Board of Directors meeting, I introduced myself as, “Jason Coyle, ‘Your’ Executive Director;” very reminiscent to NFL players that proudly announce “The” Ohio State University when referring to their alma mater. This was immediately fol-

lowed by a few chuckles and comments from Board Members. Nevertheless, I meant what I said. I am the Board’s Executive Director; I am the Membership’s Executive Director; and I am “Your” Executive Director. I truly look forward to respectfully serve and be an advocate for you, the surveying professional, and the ISPLS.

I would like to start out by thanking Dianne Bennett for her twenty-three years of service to ISPLS. As most of you know, Dianne retired at the end of September. Dianne was ready to move on to other endeavors, including being more involved with her horses. I recently heard that one of Dianne’s horses did very well in a competition. We wish her the best and continued success with all she is pursuing. Thank you, Dianne!

I would like to share with you some of the things that are going on with ISPLS. Our 2012 Annual Convention is nearly a month away and preparations are coming together quite nicely. You should already have received a registration mailer detailing our convention. Online convention registration has been open since November 28<sup>th</sup>. Many are finding the online registration very user friendly. This year, like so many in past years, our speaker and session line up is top notch. There is still plenty of room in all of our sessions. We would encourage you to join us in January for another great convention.

Also, in November we launched the New ISPLS Website, [www.ispls.org](http://www.ispls.org). We are extremely happy with our partnership with Affiniscape. We have received positive feedback concerning the new website. There are many more great features to come. If you have been to the website, we would

like to know what you think and what other information and features you would like to see added. We desire for the membership to take ownership of the website and make it their own. If you have not been on the new website or have not received information concerning our new website, I would simply ask that you send me an e-mail at [ExecDir@ISPLS.org](mailto:ExecDir@ISPLS.org). I will reply promptly with the information you need to start exploring this great resource for ISPLS.

There are many things that I would like to see accomplished with respect to my position as “Your” Executive Director. First and foremost will be to improve the communication throughout ISPLS. I believe that our new website will do just that along with my plans to visit ISPLS Chapter meetings throughout the year. I have already had an opportunity to visit with the Southwest Chapter at their “Lotted Sections” seminar and with Purdue University staff with Gary Kent and Kevin Rowland. Our new website allows for chapters to have their own pages with the ability to add their own content very easily. I look forward to attending meetings of the Chapters where I can demonstrate how they can make the website their own.

I would also like to pass on that our Editor of *The Hoosier Surveyor*, David B. H. Best, R.L.S., for personal reasons has tendered his resignation as Editor and Chairman of the ISPLS Publications and Media Committee effective with this issue. David has been a member of ISPLS since 1966 and Editor of *The Hoosier Surveyor* since 2007. We are very thankful for David’s dedication to ISPLS and the many hours spent writing articles, chairing the Publications and Media Committee, and editing *The Hoosier Surveyor*.

In closing, I would like to remind you that I am here to serve you as “Your” Executive Director and to be your advocate. Please do not hesitate to contact me, if you have any questions, comments and/or concerns. I look forward to working alongside each of you to further the Surveying Profession in Indiana. Have a very Merry Christmas and a Great and Prosperous New Year!

Sincerely,

Robert “Jason” Coyle, PLS



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# “Men of the Compass - 1805”

## The Buffalo Trace Survey and the Legend of the Indian Hills Silver

A story written by David J. Ruckman, P.L.S.

By Mike Davis

After nearly 40 years as a land surveyor, David J. Ruckman, P.L.S., decided it was a good time to write a story everyone could read... even his young son, Cade.

The result is “Men of the Compass – 1805: The Buffalo Trace Survey and the Legend of the Indian Hills Silver,” set in southern Indiana along the Buffalo Trace, the route blazed by buffaloes and later followed by pioneers.

The story’s focus — which includes examples of the expertise of 19th century surveyors and the hardships they faced — came naturally to Ruckman, who lives west of New Albany and grew up on a farm in nearby Washington County.



A stone sculpture by David J. Ruckman, P.L.S., honors the first family on the Buffalo Trace, a meandering path blazed by migrating buffaloes across southern Indiana. The work is among several on his 85-acre property near New Albany.

One of the legs of the Buffalo Trace crosses Ruckman’s property.

“I encountered the story line all the time in the history of the area,” he said. “A land surveyor in private practice is a natural historian. He must study the history of the land before he can accurately set out its boundaries.”

In about 1969 he developed an interest in American Indians and their artifacts, when he began surveying as a highway technician with the Indiana Department of Transportation.

That all came together in the 246-page book, a work of historical fiction that he printed and bound in 2010.

Its pages are parchment, and it is wrapped in a hand-carved leather cover he made that is secured with a thong, much as an early surveyor might have done with his field notes. “Paper was hugely valuable, and books were wrapped in leather,” Ruckman said. “A surveyor had to bring back crisp, dry field notes. Field Measurement Integrity conveys a final map integrity which is paramount to the Oath of the Surveyor in his attempt at true measure.”

The leather cover features an image of a buffalo on a trail amid southern Indiana’s rolling hills. Ruckman’s sketches help illustrate the story, as do several hand-drawn maps, evidence of an important skill for surveyors in days past.

“In early maps, they went to great extent to hand letter,” he said. “There’s an artistic side to mapmaking.”

His talents also show in stone and wooden sculptures at his home and gallery/office. They feature buffaloes, of course, as well as one he calls “First Family on the Trace,” which is made from stone from the New Albany Post Office and the Floyd County Courthouse that were demolished in the 1960s.

He also works in bronze and clay, and specializes in portraiture — busts of people.

Details for “Men of the Compass – 1805” came from research at the Indiana State Library in Indianapolis, where he studied the time line as well as field notes recorded by William Rector, who was directed by Surveyor General Jared

...continued Page 11





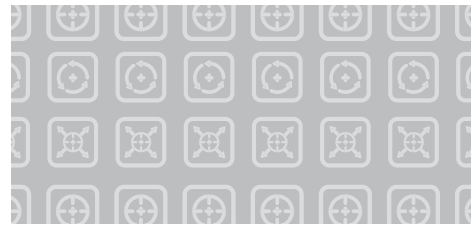
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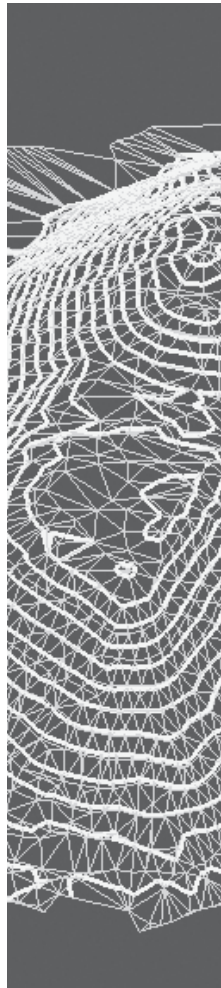
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Mansfield to survey and map the Buffalo Trace and an Indian treaty boundary line.

The book follows Rector's travels from Louisville to Vincennes and features the people and wildlife he encounters along the way, with a side plot of a stash of silver buried by Indians and the curse it carried.

Ruckman says writing it has reinforced his respect for early surveyors and their work, which he calls a tremendous undertaking.

"They were gone weeks at a time," he said. "And I don't know of very many surveyors these days who could survey their

way in by the stars. That was a huge talent. I have a ton of respect for the rectangular surveyors and the work they did."

He's also written what he describes as a precursor to "Men of the Compass - 1805," taking his readers back to 5th century Ireland, where dreams of a new life to the west across the ocean was guided by a "magic compass." It was published in 2009 and is titled "Men of the Compass."

For information on how to get copies of either book, contact Ruckman through a link at his Web page, <http://menofthecompass.com>, or e-mail [david@davidjruckman.com](mailto:david@davidjruckman.com).

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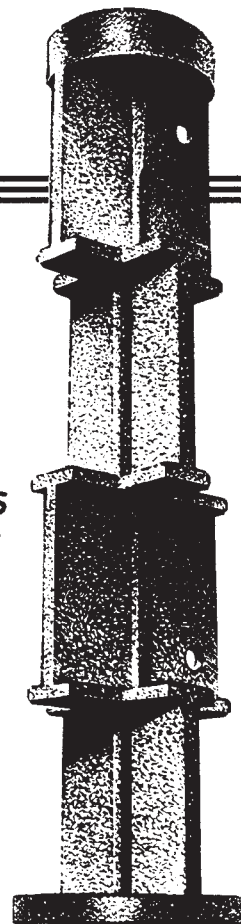
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# Meet a Member

Richard L. Hudson, R.L.S. as told to David B. H. Best, R.L.S.



## **1. Tell about your family, your hometown, and your growing up years.**

My wife Gail and I have been married for 41 years. We have two children. Our son Sean and his wife Trista live in Valparaiso. They have two children, Brady age seven and Brooklyn age 4. Our

daughter Adrienne and her husband also live in Valparaiso. I was born and raised in Baltimore, Maryland. When I was eight my father passed away. My younger brother Elvin and I were raised by my mother with the help of my grandfather and an uncle who was my mother's brother. We lived within two blocks of both my grandfather and my uncle. I spent time between the two. I attended Immanuel Lutheran School and the Baltimore Polytechnic Institute, an all-boys public college preparatory high school specializing in engineering. My first elementary surveying class was at the Institute. After high school I moved to Valparaiso to enroll in Valparaiso University.

## **2. Beyond high school what were your educational experiences?**

I attended Valparaiso University majoring in civil engineering and arts and science. After three years I left school and took a full time position with the Porter County Surveyor's office where I had worked part time for two years while attending Valparaiso University. Following my years at the university I was involved in "on the job" training. I regularly attended Indiana Society of Professional Land Surveyors (ISPLS) seminars. I joined ISPLS in 1974 and became a member of the American Congress of Surveying and Mapping (ACSM) in 1975. I became an Indiana Registered Land Surveyor in 1988.

## **3. What or whom led you to become a professional land surveyor?**

My older brother Don Bengel, P.E. and L.S., is the person who influenced me to become a land surveying professional. He had attended the same high school and college as I had. During his college years he worked for an engineering and surveying firm as a summer employee. During summer visits from Baltimore I worked with Don in Valparaiso. One attractive feature of surveying was my love of the outdoors.

## **4. How important is the mentoring process?**

It's the most important feature of anyone's career. I started my surveying career in the Porter County Surveyor's office with my brother Don as my mentor and aided by William Tanke, the county surveyor. During my apprentice years I also worked with Ordell L. Gertsmeier, L.S., of the PTGR firm. I was allowed to work, stumble, and fall and then was given the chance by these two to pick myself up and learn from my mistakes. I am forever grateful for their guidance and encouragement.

## **5. What were the most important issues facing ISPLS during 1996 when you were its president?**

Finances, membership benefits, and professional identity were the key issues. Fifteen years ago we were riding high when the economy was much more prosperous than it is today.

## **6. How can we encourage young people today to consider land surveying as a career?**

We must start early in the lives of young people, kindergarten is not too early, to educate them regarding the importance of land surveying to the American people. They need to understand that their homes and communities could not exist were it not for the land surveyor. We need to inform our young people how influential were land surveyors George Washington, Thomas Jefferson, and Abraham Lincoln in the development of our country.

## **7. What can you cite that is just as important to you today as it was during your early years as a land surveyor?**

It is self-education or what we refer to today as continuing education. The technical aspects of our profession, its equipment and computer software, are in a state of daily flux. We must continue the learning process or we will find ourselves left behind.

## **8. Tell about your company and the role you play in it.**

I tell everyone that in my 42-year career I have worked for only two companies. The first ten years including my two part time years while in college were under the tutelage of William S. Tanke, the Porter County surveyor. The last 32-plus years I've worked in the same building first with the PTGR firm, then with the Bonar Group, and now today with

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GAI Consultants. PTGR merged with the Bonar Group, then the Bonar Group merged with GAI. My official title with GAI is “Senior Survey Manager.” My duties include serving as project manager and office manager.

**9. In a few well-chosen words will you explain why the “light squared” controversy is of such critical importance to land surveyors?**

LightSquared is a company that has established an LTE network in an assigned spectrum that is close to the spectrum used by GPS. Users of GPS are experiencing interference problems allegedly caused by the LightSquared LTE network. GPS users are lobbying the FCC and Congress to keep LightSquared from running its LTE network. All land surveyors should contact their congressmen to insist that LightSquared cease and desist the operation of its LTE network. The National Society of Professional Surveyors (NSPS) is our national voice on this issue. We must support NSPS in its efforts on our behalf.

**10. As a current member of the Indiana Board of Registration for Land Surveyors (IBRLS) what do you consider to be the Board’s greatest challenge?**

As members of IBRLS we serve to “protect the welfare of the public.” We must admit only the most qualified applicants for licensure. We must determine the professional competency of those who are licensed based on the standards of practice for Indiana land surveyors. I believe the most challenging aspect of our work as board members is to mentor land surveyors who have been charged with land surveying incompetency. The mentoring process is new to the IBRLS. It allows the charged land surveyor to improve his standards of practice.

**11. As the current secretary of the ISPLS Board of Directors (BOD) how do your duties today compare with your duties as the 1996 ISPLS president?**

I am now in my third year as BOD secretary. I keep the official minutes of all BOD meetings. As president I guided the BOD. Now as secretary I put in writing all actions of the BOD.

**12. Tell about your family, how you spend your free time, and what hobbies and outside interests you enjoy.**

Most of my free time is spent being a grandparent to my seven year old grandson Brady who is named after the former Baltimore Oriole outfielder Brady Anderson and my

four year old granddaughter Brooklyn who is named for the Brooklyn Dodgers. This entails watching them several nights/days a week and attending their school and social activities. I can’t remember being this busy with my own two children when they were this age. I do remember working most nights of the week until nine or ten at night. The money helped with day to day needs and allowed for vacations. I told myself that when Brady was born I was NOT going to miss anything in his life or in Brooklyn’s life. So far so good. Baltimore Oriole baseball was a very big part of my growing up. My fondest memories are the time spent attending Oriole games or listening to them on the radio with my grandfather and my uncle. I’ve continued this with my children and grandchildren. I still collect Oriole baseball cards as a hobby. I’m also active in politics and community affairs. I currently serve as president of the Porter County Board of Parks and Recreation. I have served on this board for the past 20 years. I also spent 17 years serving on the Porter County Board of Zoning Appeals.

**13. What book are you currently reading? Who is your favorite author?**

I’m currently reading “Shelter” by Harlan Coben, creator of the fictional character Myron Bolitar, sports agent and investigator. My favorite author is Alister MacLean (The Guns of Navarone, Ice Station Zebra, and Where Eagles Dare).

**14. Are you a movie buff? If so, what is your favorite movie?**

I have three favorite movies. They are It’s a Wonderful Life, Field of Dreams, and For the Love of the Game.

**15. What advice can you give to ISPLS members to increase their effectiveness as land surveyors?**

Get involved in your profession! Locally, state wide, and nationally. Become a leader in your community.

**Tidbits from the President**  
...continued from Page 2

new elevation dataset is an extremely powerful tool that will support many projects across Indiana. What better cause could we find to support? We determined that this was a cause that all surveyors could use and take advantage of. There is NO cost to the user to utilize this data. IGIC needed \$25,000.00 for funding the total project. The IPLS Foundation with the cooperation of ISPLS helped to sponsor the project with a contribution of \$5,000.00. Gather more information by going to [www.igic.org](http://www.igic.org).

In closing, I was disappointed not to be present for the November 5th BOD meeting. This was a meeting I was looking forward to attending because there was much important business to review. One was an initiative to help move the Indiana/Michigan line re-monumentation project along. It is somewhat difficult for me to comprehend but another one of those “possible few things” that would keep me away from a

Board meeting occurred again. This time it was the passing of my mother. These events happen in our lives. It helps us to keep a proper perspective of priorities in our lives. I begin my list with my faith in Jesus Christ as Lord and Savior, and immediately follow that with my family as a close second. With those two as my mainstays, I can take on most any hurdle that life, (or death), can throw at me.

As we approach the end of my term as President let me say, “Thank You” for allowing me to serve as your President this year, and for your support of ISPLS!

Season’s Greetings, and may God bless us everyone!

I hope to see you all at the Convention in January!

Chuck

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# PROGRAM SCHEDULE • 2012 ISPLS CONVENTION

Indianapolis Marriott East • Indianapolis, IN • January 18-20, 2012

## Wednesday, January 18, 2012

The registration desk will be open from 12:00 p.m. until 6:00 p.m. This area is the resource for materials and to have any questions answered. It is located in the Atrium.

The annual Board of Directors meeting will be starting at 8:00 a.m. in the Patriot Ballroom.

From 12:00 p.m. till 6:00 p.m. the Exhibit Hall will be open. Each year suppliers of products, services and equipment showcase their ideas to assist you in your surveying practice. Admission requires you to wear your name badge for entry. This year the Exhibit Hall will be open Wednesday afternoon, all day Thursday and will close Thursday night.

### The Art of Surveying Milt Denny (3 CEH Mandatory)



This seminar will attempt to present the case for the “Art of Land Surveying”, based on long standing principles of the rights of the entryman and case law. Where the entryman is occupying property based on the good faith effort of the original surveyor, that used different standards and technology to locate the property description on the surface of our earth. My belief is much of this information may come as a surprise to many recently licensed surveyors’ that only studied the science of surveying. Many older surveyors had a mentor that taught us as apprentices the Art of Surveying. This system is for the most part lacking today which has resulted in the multiple corner dilemma and many court cases that should never happen.

This seminar will focus on five historic books written on the art of surveying by five 19th century surveyors that never owned a computer but understood evidence and putting the corner in the right place.

### Exhibitors Reception

Will be held in the Exhibit Hall (Grand Ballroom) 4:00 p.m. - 6:00 p.m.

### Alumni Parties for Vincennes University, Purdue University and Cincinnati State

These will be held from 6:00 - 8:00 p.m. Please look for flyers to announce the room location.

### Las Vegas Style Casino Party

Every person who attends the Las Vegas Style Casino Party will receive two drink tickets for the beverage of their choice, a bag of poker chips to play the games and Hors d’oeuvres. Upon conclusion of the party an auction will be held with your winnings to bid on door prizes. The Las Vegas Style Casino Party will be held from 7:00 pm. until 9:00 p.m.

#### Meeting Handouts

To eliminate the cost of printing the ISPLS Board of Directors will provide in each attendee’s convention packet a CD containing all program material. The material also will be provided to attendee’s upon completion of registration for the convention on the ISPLS website (ISPLS.org) prior to the convention. An e-mail will notify registrants when material is available.

#### Special Notice:

The Marriott is currently undergoing an expansion and renovation of their Hotel Registration area. All attendees are encouraged to enter the hotel from the East Parking Lot. In the event you have to park on the West side of the hotel a shuttle will be running back and forth from the Fairfield Inn to the East entrance.

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# PROGRAM SCHEDULE • 2012 ISPLS CONVENTION

Indianapolis Marriott East • Indianapolis, IN • January 18-20, 2012

## Thursday Morning, January 19, 2012

### Mock Trial - Wright v. Hawk Gary Kent (6 CEH Mandatory)



Plaintiff Dale Wright has filed a quiet title action against Defendant Lee Hawk to clear title to 35 acres of prime farm land. Part of the dispute revolves around the original dividing line between the parcels, which was dependent on the location of a large ox-bow in an old meandering river. The location of the river has been historically ill-defined; it has also moved significantly from where it was when the parcels were originally created.

### Boundary Surveyor of the 21<sup>st</sup> Century Anthony “Tony” Gregory (6 CEH Mandatory)



The advancement of technology has revolutionized the land surveying profession in both the field and in the office. Many professional land surveyors practicing today are completing boundary surveys using very different techniques and methodologies than they used early in their professional careers. The objective of this seminar will be to identify how the advancement of technology has been a benefit to the land surveying profession, and well as to point out how it may be detrimental to the profession. As these topics are discussed, various portions of Title 865 IAC 1-12 will be considered.

### Traverse Analysis and Adjustment Larry Phipps “The Candy Man” (3 CEH Mandatory)



Indiana Administrative code 865 IAC 1-12-7 prescribes that all surveys meet certain precision and accuracy standards. How does one know if they met the standard? Sure we “shall select the appropriate equipment and methods and use trained personnel to assure that the acceptable relative positional accuracy specified in this section is not exceeded.” But what exactly does that mean?

This class will discuss positional accuracy and the Indiana Standards. What is positional accuracy and how we determine it? We will not be deriving formulas in this presentation. Instead we will discuss the practical application of Least Squares Adjustment software. The why, the how, and the basics you need to know will be covered.

### Professional Ethics for the Land Surveyor Milt Denny (3 CEH Mandatory)



This course covers not only the history of ethics, but gives guidance on all professional issues dealing with responsibility and standard of care. It provides answers to everyday problems that arise in the day to day functioning of all land surveyors. The course's in-depth coverage of ethics as it relates to those in the field and the real-life examples of ethical issues are extensively covered.

In addition, the course also will review Rule 10. Rules of Professional Conduct, Indiana Rules 865 IAC 1-10-1 thru 1-10-25.

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# PROGRAM SCHEDULE • 2012 ISPLS CONVENTION

Indianapolis Marriott East • Indianapolis, IN • January 18-20, 2012

## Thursday Afternoon, January 19, 2012

### Mock Trial– Wright v. Hawk (Continuation) Gary Kent (6 CEH Mandatory)



Plaintiff Dale Wright has filed a quiet title action against Defendant Lee Hawk to clear title to 35 acres of prime farm land. Part of the dispute revolves around the original dividing line between the parcels, which was dependent on the location of a large ox-bow in an old meandering river. The location of the river has been historically ill-defined; it has also moved significantly from where it was when the parcels were originally created.

### Boundary Surveyor of the 21<sup>st</sup> Century (Continuation) Anthony “Tony” Gregory (6 CEH Mandatory)



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### Anatomy of a Claim Larry Phipps “The Candy Man” (3 CEH Elective)



Ever wonder exactly what happens when someone files a claim against you? So did I. That is why I developed this class to help us all better understand the inner workings of a Professional Liability claim. We look at some example cases from the court records. Each case provides a lesson in who did what to whom and how that impacted the surveyor. Each case is full of lessons. Let us learn from the mistakes of others before we make them ourselves.

### History of Land Surveying Measurement Tools Milt Denny (3 CEH Mandatory)



As a professional surveyor, it is important to understand the accuracy standards in place when the original surveys were performed in the area where you practice. This seminar will help you understand the roots of our measurement system and our English heritage, which resulted in the U. S. Survey foot. This course will cover not only the survey chain, but also many other devices used to measure land, including the steel tape, waywiser, tobacco jack and many others. Information provided will also cover the measuring methods and the skills of the employees.

### ISPLS Business Meeting

The business meeting will be held in Indianapolis Ballroom B-E at 4:00 - 5:30 p.m.

### ISPLS Banquet

The banquet and social will be held in the Liberty Ballroom at 6-7 p.m. (social) 7:00 p.m. dinner

# PROGRAM SCHEDULE • 2012 ISPLS CONVENTION

Indianapolis Marriott East • Indianapolis, IN • January 18-20, 2012

## Friday Morning, January 20, 2012

**Past President's Breakfast** - Breakfast for Past President's will be in the Willkie Room from 7:00 - 8:00 a.m.

### **ALTA/ACSM Standards** Gary Kent (3 CEH Mandatory)



The surveying profession has entertained an on-going debate over the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys" ("Standards") for a number of years. The Standards have been said to be both too loose and too restrictive, an intrusion on the surveyor's professional responsibility or a lone example of standards needed by the profession. In the words of one writer, the Standards are "a bureaucratic, self-serving, counter-productive sort of rip-off..." An ALTA official, having attended several meetings and panel discussions with surveyors around the country, and having heard comments about the Standards ranging from "terrible" to "wonderful," commented that, given such a diversity of opinion, we "must have gotten it just about right." The purpose of this seminar is to examine the Standards to discover their real purpose and value not only to the title insurance industry, but to the surveying profession as well.

### **Surveying Railroad Corridors with Respect to Property** Les Odom and Rick Rayback (6 CEH Elective)



This course discusses the historical, legal, safety and practical problems in determining railroad corridor location with respect to the land and property rights beneath the tracks. Railroads have played a major role in the settlement and development of these United States of America. The importance of 'bands of steel' uniting the country was underscored by the powers granted the railroad companies to acquire land and property rights in whatever way necessary, whether by grant, fee simple absolute, fee with reversionary right, fee determinable, easement or by occupation. Surveyors involved with the original location and placement of the railroad faced hostile environment, extreme weather conditions, low pay, no beds, no showers and few hot meals. Today, our goal is to follow in their footsteps and define as best we can the original configuration of the rails and the land parcels associated with the rails.



### **Marketing for the Small Professional Office** Larry Phipps "The Candy Man" (3 CEH Elective)



Marketing is the life blood of any business. In difficult economic times it can be the difference between success and failure. This course will help attendees understand the 4 "P's" of Marketing. We discuss Product, Place, Price and Promotion. We study the inter-related nature of each element. Each student will spend time defining their goals and begin using those goals to develop an overall Marketing Strategy. We will discuss the difference between Advertising and Public Relations. The first lesson is - EVERYTHING you do is Marketing.

### **The Rectangular Land System: Subdivision of the Public Lands** Milt Denny (6 CEH Mandatory)



This seminar will examine the United States Public Lands, their extent and how the government acquired them. Covered in detail will be the forming of the system by Thomas Jefferson and the committee. It will also cover the system of survey contracts and the surveyors that walked the land. You will understand the instructions for field operations and why modern survey distances differ from historic records. The seminar also contains actual maps and diagrams of government surveys along with information on equipment used to complete this survey. You will learn to appreciate how these original surveys became the basis for every modern resurvey - a must for anyone dealing in land boundaries.

### **Indiana GIS Resources for Surveyors**

Jim Sparks, Rick Hill, Indiana Geological Survey, and Anna Radue (3 CEH Elective)

This half-day (3 hour) workshop will provide detailed information about the GIS resources freely available for use through the Indiana Geographic Information Council, the Indiana Map, the Indiana Spatial Data Portal, Open Web Services, and other Internet resources.



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# PROGRAM SCHEDULE • 2012 ISPLS CONVENTION

Indianapolis Marriott East • Indianapolis, IN • January 18-20, 2012

## **Friday Morning, January 20, 2012** *(continuation)*

### **Indiana GIS Orthophotography and LiDAR**

David Nail, USGS, Dave Knipe, Indiana DNR, Robert N. Wilkinson, and Jeff Padgett, Woolpert (6 CEHElective)

The state of Indiana has begun a three-year program to provide high-resolution Orthophotography and LiDAR elevation data for the entire state of Indiana. In 2011, imagery and elevation data was collected and processed for the center column of 30 counties, with the eastern and western columns scheduled for 2012 and 2013. All of the resulting data products will be made publically available and free of charge. These new datasets will be used by numerous state, local government and private firms to support multiple applications including engineering planning, economic development, emergency management, disaster response, cross-section and contour generation, 3D modeling/visualization and more. This workshop is intended to provide detailed information about the statewide program, the components, standards, and products produced by each system, and how to use these data to support surveying and mapping projects and applications.

## **Friday Afternoon, January 20, 2012**

### **Surveyor's Report** Gary Kent (3 CEH Mandatory)



This program is an introduction to the concept of a Surveyors Report and, specifically, the requirements for a Surveyor's Report contained in 865 IAC 1-12 ("Rule 12"). Ideas put forth by several authors, and report requirements outlined or implied in a number of states' laws and standards will be reviewed. The advantages of using a Surveyors Report will be explored. The practical application of a surveyors report to actual boundaries surveys will be discussed followed by a report-writing exercise and open discussion.

Specific performance objectives include improving participants' knowledge base such that after attending this workshop, they are able to:

- Explain the concept of a Surveyors Report
- Identify the common themes across those jurisdictions that use Surveyor Reports
- Outline a possible format of a Surveyors Report
- Explain the suggested content of a Surveyors Report
- Explain the practical use and application of a Surveyors Report
- Write a surveyors report

### **Surveying Railroad Corridors with Respect to Property** *(continuation)* Les Odom and Rick Rayback (6 CEHElective)

This course discusses the historical, legal, safety and practical problems in determining railroad corridor location with respect to the land and property rights beneath the tracks. Railroads have played a major role in the settlement and development of these United States of America. The importance of 'bands of steel' uniting the country was underscored by the powers granted the railroad companies to acquire land and property rights in whatever way necessary, whether by grant, fee simple absolute, fee with reversionary right, fee determinable, easement or by occupation. Surveyors involved with the original location and placement of the railroad faced hostile environment, extreme weather conditions, low pay, no beds, no showers and few hot meals. Today, our goal is to follow in their footsteps and define as best we can the original configuration of the rails and the land parcels associated with the rails.

### **Traverse Analysis and Adjustment** *(repeat)* Larry Phipps "The Candy Man" (3 CEH Mandatory)



Indiana Administrative code 865 IAC 1-12-7 prescribes that all surveys meet certain precision and accuracy standards. How does one know if they met the standard? Sure we "shall select the appropriate equipment and methods and use trained personnel to assure that the acceptable relative positional accuracy specified in this section is not exceeded." But what exactly does that mean?

This class will discuss positional accuracy and the Indiana Standards. What is positional accuracy and how we determine it? We will not be deriving formulas in this presentation. Instead we will discuss the practical application of Least Squares Adjustment software. The why, the how, and the basics you need to know will be covered.

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# PROGRAM SCHEDULE • 2012 ISPLS CONVENTION

Indianapolis Marriott East • Indianapolis, IN • January 18-20, 2012

## **Friday Afternoon, January 20, 2012** *(continuation)*

### **The Rectangular Land System: Subdivision of the Public Lands** *(continuation)* Milt Denny (6 CEH Mandatory)

This seminar will examine the United States Public Lands, their extent and how the government acquired them. Covered in detail will be the forming of the system by Thomas Jefferson and the committee. It will also cover the system of survey contracts and the surveyors that walked the land. You will understand the instructions for field operations and why modern survey distances differ from historic records. The seminar also contains actual maps and diagrams of government surveys along with information on equipment used to complete this survey. You will learn to appreciate how these original surveys became the basis for every modern resurvey - a must for anyone dealing in land boundaries.

### **Indiana GIS Local Resolution Hydrography**

Mike Martin, Indiana DNR, Robert W. Wilkinson, LS, Joanna Wood, Cindy Martin, and Phil Worrall, IGIC (3 CEH Elective)

The Indiana Geographic Information Council's (IGIC) Waters Workgroup has designed a program to improve the U.S. Geological Survey's National Hydrography Data (NHD) for the waters of Indiana. As a result, The State of Indiana, Geographic Information Office issued a Request for Proposal in 2010, and in 2011 Awarded and signed a contract with AECOM to build a new Local-Resolution NHD dataset for the State of Indiana. This new hydrography data for Indiana will include: corrected NHD stream and lake names, improved positional accuracy (1:1,200 or 1:2,400 scale hydrography features aligned to Orthophotography 2011-2013 where available, but no later than 2005), consistent hydrographic densities (based on 6-acre drainage catchments) and updated related hydro features. This workshop is intended to provide detailed information about the NHD statewide program, the components, standards, output products produced, and how to use these data to support surveying and mapping projects and applications.

### **Indiana GIS Orthophotography and LiDAR** *(continuation)*

David Nail, USGS, Dave Knipe, Indiana DNR, Robert N. Wilkinson, and Jeff Padgett, Woolpert (6 CEH Elective)

The state of Indiana has begun a three-year program to provide high-resolution Orthophotography and LiDAR elevation data for the entire state of Indiana. In 2011, imagery and elevation data was collected and processed for the center column of 30 counties, with the eastern and western columns scheduled for 2012 and 2013. All of the resulting data products will be made publically available and free of charge. These new datasets will be used by numerous state, local government and private firms to support multiple applications including engineering planning, economic development, emergency management, disaster response, cross-section and contour generation, 3D modeling/visualization and more. This workshop is intended to provide detailed information about the statewide program, the components, standards, and products produced by each system, and how to use these data to support surveying and mapping projects and applications.

## **SPOUSE/GUEST PROGRAM**

Welcome to the 60<sup>th</sup> ISPLS Convention. For your convenience we have arranged to have a Hospitality Room at the Marriott Hotel for your enjoyment. Here you will find coffee, assorted soft drinks, a place to catch up with old friends and make new ones.

The Hospitality Room will be available on Thursday from 7:00 a.m. to 5:00 p.m. and on Friday from 7:00 a.m. to 3:00 p.m. You will meet in the Hospitality Room Thursday morning prior to your departure from the hotel to Victorian Tea at the Morris Butler House Museum.

On Friday morning you meet in the Hospitality Room at 8:00 a.m. prior to your departure from the hotel to the Palladium Center for Performing Arts in Carmel, IN. A continental breakfast will be available in the Hospitality Room on Thursday and Friday morning.

An itinerary of fun, interesting and educational activities is planned for this year's ISPLS Spouse/Guest program.

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# TECHNICIAN/TECHNICAL PROGRAM

## 2012 ISPLS CONVENTION

Indianapolis Marriott East • Indianapolis, IN • January 18-20, 2012

### Thursday, January 19, 2012

#### Microsoft 2010 Advance Excel Casey Glanders (6 CEH Elective)

Casey specializes at ETI in our Microsoft Office training, with an emphasis in Access, Excel, and PowerPoint. In addition to these services, Casey also facilitates magazine and leaflet-based design courses, such as InDesign, Quark, and PageMaker. Adding to his experience as both an onsite and offsite facilitator, Casey holds a Masters degree in Organizational Communication from Ball State, where he taught presentation skills for several years

Welcome to ETI Performance Improvement's courseware for Microsoft Office Excel 2010, a popular spreadsheet application designed for organizing and analyzing data, performing calculations, and charting information. This new version of Excel incorporates powerful Slicer filtering tools for PivotTables and PivotCharts, and works seamlessly with the new PowerPivot add-on.

This advanced level is intended to help regular users of Excel become even more proficient by expanding their knowledge of Excel's data analysis tools, consolidation tools, advanced functions, and PivotTables. This manual will also help experienced users who may be unfamiliar with the ribbon interface introduced in Excel 2007.

This manual will cover a variety of organizing tools and What-If analysis tools that will help Excel users get the most out of their data. In addition, two key advanced spreadsheet tools (PivotTables and PivotCharts) will be discussed at length. Following that, advanced concepts dealing with Excel functions, AutoFill lists, and consolidating and combining data will also be covered. The new Slicer features and PowerPivot add-on, two important tools for working with PivotTables and PivotCharts, are covered as well.

### Friday, January 20, 2012

#### Safety and Associated Liability Ron Koons (3 CEH Elective)



This presentation will give surveying field technicians a broad introduction to field safety procedures and OSHA Requirements. We will also have a section on Traffic Safety that will cover the Manual on Traffic Control Devices; Part VI; Temporary Traffic Control. High visibility Apparel and how it applies to OSHA, the MUTCD, and FHWA will also be covered. These should give the attendee a basic knowledge on what is needed to protect field crews while working in the right of way. In addition, we will pass along vital information on some major 2011 changes in the way OSHA does business.

#### How to present a Trig-Star Program Tony Gregory and Richard Ward (3 CEH Elective)



The NSPS Trig-Star program is one of the best tools available to promote the land surveying profession to high school students. The program relies on the voluntary efforts of individual land surveyors and land surveying companies in order to promote and administer the test. The purpose of this seminar is to thoroughly outline the process of running a Trig-Star program at a high school from initial contacts, through the giving and grading of the test, and to the reporting of final results. The goal of this seminar is to increase the number of professional land surveyors who actively participate in this program.

# CONVENTION REGISTRATION FORM

## *Wednesday January 18, 2012*

8:00 -12:00p.m. Board of Directors Meeting (Patriot Boardroom)

12:00-6:00p.m. **\*\*Registration\*\* Atrium\*\***

1:00-4:00p.m. The Art of Land Surveying  
Milt Denny (3 CEH Mandatory)

12:00-6:00p.m. Exhibit Hall Opens (Grand Ballroom)

4:00-6:00p.m. Exhibitor Reception (Exhibit Hall Grand Ballroom)

6:00-8:00p.m. Vincennes, Purdue, Cincinnati State Alumni &  
Friends Alumni Party Reunion Veteran's Hall 1 through 5

7:00-9:00p.m. Las Vegas Casino Party (Indpls Ballroom A)

## *Thursday, January 19, 2012*

All seminars will be pre-registered. Classroom space may be limited. Please indicate first choice (✓) and alternate (A). NOTE: Seminars must be attended in full to receive CEH credit. **Registration in a seminar that is a Part 1 of 2 automatically registers you in Part 2.**

7:00-5:00p.m. **\*\* Registration \*\* Atrium\*\***

7:00-5:00p.m. Exhibit Hall Open (Grand Ballroom)

8:00 – 11:00 a.m. Mock Trail  
Gary Kent, Etal. (6 CEH Mandatory) Part 1 of 2

8:15-11:15 a.m. Boundary Surveyor of the 21<sup>st</sup> Century  
Tony Gregory (6 CEH Mandatory) Part 1 of 2

8:15-11:15 a.m. Traverse Analysis and Adjustment  
Larry Phipps (3 CEH Mandatory)

8:30 – 11:30 a.m. Professional Ethics for the Land Surveyor  
Milt Denny (3 CEH Mandatory)

## **11:00-1:00p.m. Lunch (Liberty Hall) Staggered**

12:15-3:15p.m. Mock Trial  
Gary Kent (Part 2 of 2)

12:30-3:30p.m. Boundary Surveyor of the 21<sup>st</sup> Century  
Tony Gregory Part 2 of 2

12:30-3:30p.m. Anatomy of a Claim  
Larry Phipps (3 CEH Elective)

12:30-3:45p.m. History of Land Surveying Measurement Tools  
Milt Denny (3 CEH Mandatory)

4:00-5:30pm. ISPLS Business Meeting (Indpls Ballroom B-E)

6:00p.m. Social & Banquet (Liberty Ballroom)

## *Friday, January 20, 2012*

All seminars will be pre-registered. Classroom space may be limited. Please indicate first choice (✓) and alternate (A). NOTE: Seminars must be attended in full to receive CEH credit. **Registration in a seminar that is a Part 1 of 2 automatically registers you in Part 2.**

7:00-12:00p.m. **\*\*Registration\*\* Atrium\*\***

7:00-8:00 a.m. Past Presidents Breakfast (Willkie Room)

8:45-11:45 a.m. ALTA/ACSM 2011 Standards  
Gary Kent (3CEH Mandatory)

8:45-11:45 a.m. CSX Basic Railroading (Part 1 of 2)  
Les Odom (6CEH Elective)

8:45-11:45 a.m. Marketing for the Small Professional Office  
Larry Phipps (3 CEH Elective)

8:45-11:45 a.m. The Rectangular Land System: Subdivision of the  
Public Lands (Part 1 of 2)  
Milt Denny (6 CEH Mandatory)

8:45-11:45 a.m. Indiana GIS Resources for Surveyors  
Phil Worrall (3 CEH Elective)

8:45-11:45 a.m. Indiana GIS Orthophotography and LiDAR  
Phil Worrall (6 CEH Elective) Part 1 of 2

## **12:-00-1:00p.m. Lunch (All Together-Liberty Hall)**

1:30-4:30pm. Surveyor's Reports  
Gary Kent (3CEH Mandatory)

1:30-4:30pm. CSX Basic Railroading (Part 2 of 2)  
Les Odom

1:30-4:30pm. Traverse Analysis and adjustment  
Larry Phipps (3 CEH Elective) **REPEAT**

1:30-4:30pm. The Rectangular Land System: Subdivision of the  
Public Lands (Part 2 of 2)  
Milt Denny

1:30-4:30pm. Indiana GIS Local Resolution Hydrography  
Phil Worrall (3 CEH Elective)

1:30-4:30pm. Indiana GIS Orthophotography and LiDAR  
Phil Worrall Part 2 of 2



# CONVENTION REGISTRATION FORM

## Technician Program

Participants signed up for the Technician Program are not eligible to attend the other convention sessions. If you wish to attend the other sessions you must pay the full or 1 day convention fee. If you are a licensed land surveyor and wish to attend the Technician Program for credit you must pay the full or 1 day convention fee. The Technician Program fee includes meetings, handouts and luncheons only.

*Register on-line at the new ISPLS.org!*

Mail to: **ISPLS**  
**8325 S. Emerson Avenue, Suite B-2**  
**Indianapolis, IN 46237**  
**Phone: 317-888-4400 Fax: 317-888-4412**

## Thursday, January 19, 2012

8:00 a.m.- 3:30pm. Microsoft Advance Excel 2010  
 \_\_\_\_\_ ETI Casey (6 CEH Elective)

## Friday, January 20, 2012

8:45-11:45 a.m. Safety and Associated Liability  
 \_\_\_\_\_ Ronald Koons (3 CEH Elective)

1:30 – 4:30 p.m. How to present a Trig Star Program  
 \_\_\_\_\_ Tony Gregory, Etal.(3 CEH Elective)

Name: \_\_\_\_\_

Name to be printed on badge: \_\_\_\_\_

L.S. Number \_\_\_\_\_

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## LODGING

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 7202 East 21st Street  
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Convention rates (below) have been arranged. **Please indicate you are attending the 2012 ISPLS Convention when making reservation.** Reservations must be received by 12/31/11 in order to guarantee room and availability.

|         |          |         |          |
|---------|----------|---------|----------|
| Single: | \$109.00 | Double: | \$109.00 |
| Triple: | \$109.00 | Quad:   | \$109.00 |

Registrations received after 12/31/11 (including walk-in's) will include a **\$50.00 late fee**, and will be accepted based on available space, and will not be guaranteed handouts or meals. Refund requests received before 1/04/12, a 50% discount will be made. **After 1/10/12, no refunds will be made.**

**No further Registration will be accepted after 1/08/12.**  
 After 1/08/12 registration will be at the door with availability of seating.

The **full time registration** fee for the convention includes all handouts, refreshment breaks, two luncheons and the banquet. The registration fee for **spouses** includes a like number of meals. The **student** (full time) registration fee includes meetings and luncheons only. **One-day** registrant fee includes handouts and luncheons for the day registered.

The **technician/technical program** fee includes technician/technical meetings, technician/technical handouts and luncheons only. Participants signed up for the technician/technical program are not eligible to attend the other convention sessions. If you wish to attend the other sessions you must pay the full or 1 day convention fee. If you are a licensed land surveyor and wish to attend the Tech program for credit you must pay the full or 1 day convention fee.

As a reminder indicate your first choice with an (✓) and an Alternate (A). We will appreciate it, if you will indicate by a (✓) that you plan on attending the Banquet on Thursday Night.

The Better Half of the Tecumseh Chapter of ISPLS will once again be having its Silent Auction for the Margaret Cunningham Scholarship Fund.

## SINGLE REGISTRANT & SPOUSE FORM

For additional registrants please make copies of this form or contact ISPLS for additional forms.

|  | Fee      |
|--|----------|
| <input type="checkbox"/> Member                              | \$345.00 |
| <input type="checkbox"/> Non-Member                          | \$750.00 |
| <input type="checkbox"/> Spouse                              | \$150.00 |
| <input type="checkbox"/> Student (Full Time)                 | \$ 40.00 |
| <input type="checkbox"/> 1 Day (Member)                      | \$250.00 |
| <input type="checkbox"/> 1 Day (Non-Member)                  | \$625.00 |
| <input type="checkbox"/> 1 Day Technician/Technical Program  | \$ 75.00 |
| <input type="checkbox"/> 2 Day Technician/Technical Program  | \$150.00 |
| <input type="checkbox"/> Late Fee (After 12/31/11)           | \$ 50.00 |
| <input type="checkbox"/> ACSM/NSPS Member (Full Convention)  | \$345.00 |
| <input type="checkbox"/> ACSM/NSPS Member (One Day)          | \$250.00 |
| <input type="checkbox"/> Extra Banquet Ticket Thursday Night | \$ 50.00 |

ACSM/NSPS Member- Membership # \_\_\_\_\_

TOTAL \_\_\_\_\_

Firm Member – Deduct 20% \_\_\_\_\_

TOTAL AMOUNT ENCLOSED \_\_\_\_\_

Method of Payment

\_\_\_\_\_ Check (Please make check payable to ISPLS)

\_\_\_\_\_ Visa \_\_\_\_\_ Master Card

Account Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

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# Training? Are You Prepared?

by Ronald E. Koons, RoSako Safety



I can honestly say that the portion of my job that I like the most is interaction with other people. Of the interactions the safety training of workers gives me a lot of pleasure. I just love going into a classroom or onto a jobsite and passing along some of what I have learned to others. This training could be anything from a short few minute session to a full blown 30 hour OSHA training class. While RoSaKo Safety has been around over 18 years my safety experience goes back into the mid 1970's when I encountered my first OSHA visit. As a little different topic from my normal let's ramble a bit through some important issues in training.

Even with over 30 years of experience when I am going into a training session I still prepare. This may be no more than a few minutes to verify some facts up to a day or more of making certain that I am current with everything that will be presented. When using power point or any other format I always go over the presentation and update it as needed. I also always customize the presentation for the group to which I will be presenting. Seeing their name and company or their organization as a part of the presentation gives them buy in. While passout materials may not totally change from year to year I always make certain that dates are changed to reflect the current year. There is nothing worse than a trainee seeing a presentation that is dated several years prior to the current date. It makes them feel like they aren't getting current information.

Since I mentioned power point I might as well bring up my feelings about the use of power point in training programs. Power point should supplement the presenter's knowledge and over all program and not be the entire program. When one presents using power point think of it as an outline that you are using to assist in imparting all of your thoughts and ideas to the class. A reminder as such of the topics you want to discuss. There are way too many people in today's business world who say they can train, but in fact all they do is narrate their power point presentation. I really fought using power point until I finally realized that everything I disliked about using the media was under the control of the person teaching the class. I have gone into a class where I was given a complete set of all the slides that would be presented during the class. Literally everything and the entire presentation were there. The speaker added very little during the class beyond what was on the slides.

When this happens unless the class is required you will see the size dwindle as the day goes on. When students realize everything the presenter knows is on those slides they have no reason to stay around. Power point and all visual media should be used to enhance your presentation. This allows you to make points using visuals that don't have to be scribbled on a blackboard.

A few years ago I went to a ninety minute presentation at a convention. It was to pass along some current information on a safety issue. The presenter was in the front of the room when I entered and appeared to be frantically working with his computer. He had the room proctor with him and they soon were joined by an AV specialist from the hotel. It appeared they were having trouble with his computer. After several minutes of "geek" time with the AV specialist he said there was no way the presentation could be recovered without spending a lot of time and maybe not even then. The speaker turned to the proctor and said "well I guess that's it, I might as well leave!" The proctor said that he had a laptop if the presenter had a copy of his presentation. The presenter said that since it was in his computer he didn't think that he needed an extra copy. (Note from Ron; When I travel to a convention, training session, or even a speech I have the program on my laptop, an extra copy on a thumb drive in my pocket, at least one copy on a cd in case there are no usb ports and then if Sandee is with me she carries at least one copy. Even when I have had the computer issues that everyone eventually does I was able to literally start from the point I was at in a matter of 5 minutes with a back up computer from anyone.) In the case of our unprepared presenter he finally remembered that he had printed out a hard copy of his presentation. He used that during the 90 minutes, but he rambled on and never seemed to get to the point of the highlights on his sheets. I guess in this case even with the power point working his presentation would have probably not been too great.

Let's go even further with the above scenario. What if the electric power went out in the room and all you had was light from the windows. Could you do the class without the use of a computer or any AV equipment? If you know your topic and have previously reviewed your presentation you should be able to get through it until power can be restored. Have you ever been in a situation where you didn't have any time to prepare and had to make an off the cuff presentation? This has happened to me more than once and I really feel this was one of my best efforts in connecting

...continued Page 27





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## CALENDAR

### September 17, 2011

ISPLS BOD meeting, headquarters, Indianapolis

### November 5, 2011

ISPLS BOD meeting, headquarters, Indianapolis

### December 10, 2011

ISPLS BOD meeting, headquarters, Indianapolis

### January 18-20, 2012

ISPLS Annual Convention,  
Indianapolis Marriott East Hotel, Indianapolis.

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### Are You Prepared

...continued from Page 25

with my audience. When a group of people know that you have been thrown into something without preparation and you can hold your own they will respect your knowledge and ability.

Whether you are giving a class on a new surveying software, new equipment, or my favorite, safety training, you need to be prepared for every eventuality that could occur during the class. We have had fire alarms, major natural gas leaks, and the ever present equipment breakdowns. We have had a previous speaker run so late that I had to cut down my presentation by 30-40% because a banquet started right after my time slot.

With everything I have said I still believe that anyone can train others, if that person knows one more item than his class. If you are really good at putting a worm on a fishhook than you should be able to show others how to improve their worm piercing techniques. Don't underestimate your ability, but when you are chosen to present a topic do your job and prepare so everyone can come away with some new and exiting information. Good luck!

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