

HOOSIER SURVEYOR

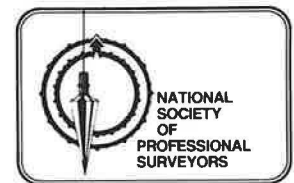


QUARTERLY PUBLICATION OF THE
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FALL 1995



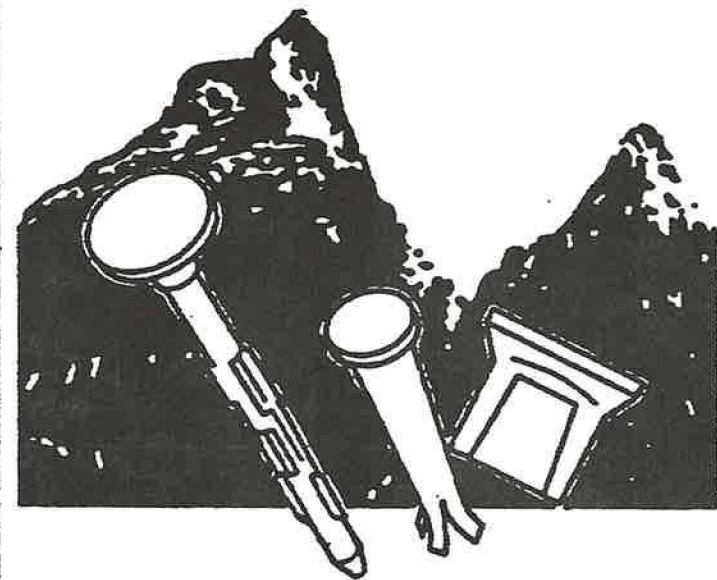
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Roger Woodfill, PLS, standing next to the Indiana Historical Marker on St. Marys Road at the remonumentation ceremony of the Greenville/Grouseland Treat lines on August 20th, 1995.

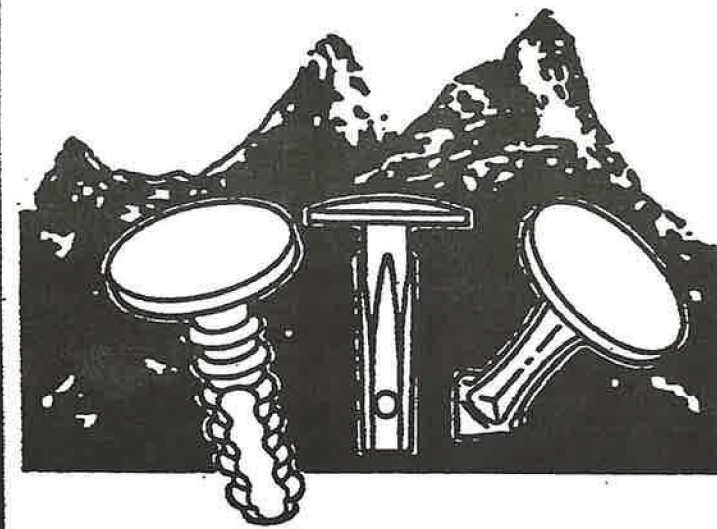
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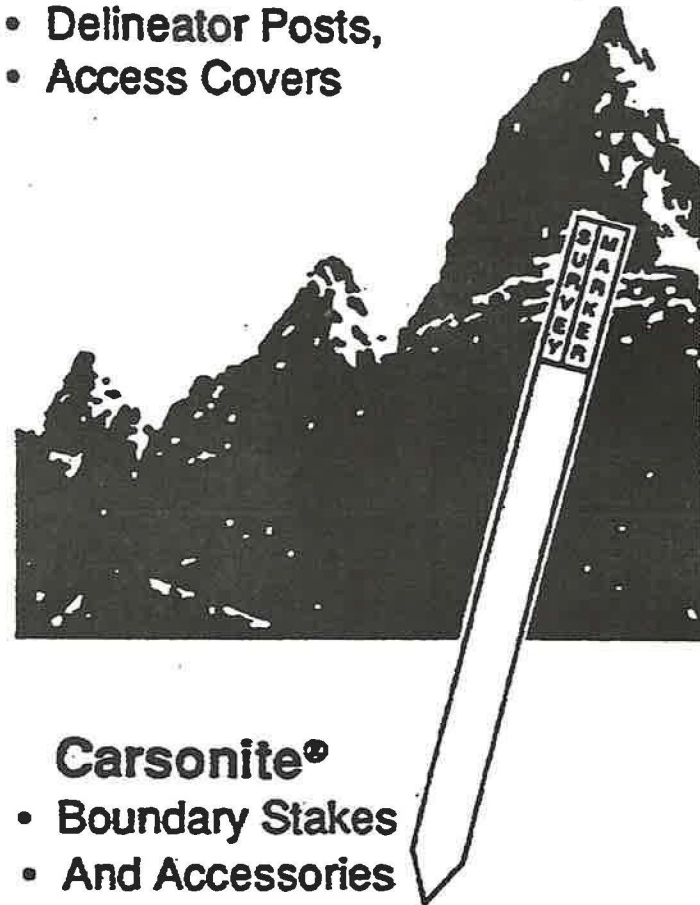
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Articles and columns appearing in this publication do not necessarily reflect the viewpoints of ISPLS or the Hoosier Surveyor staff, but are published as a service to its members, the general public and for the betterment of the surveying profession.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

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PRESIDENT'S THOUGHTS

by E.R. Gray, III, PLS, Columbus, IN

The Last Presidents Letter

Here I sit at the last minute of the last hour of the day trying to write my last letter as President of ISPLS.

It's not as if I haven't had plenty of notice. Writing this letter was the first thing on my mind as I took office in January of this year. I intended to write the greatest letter that had ever been written by any ISPLS President. All year I continued to make notes of all the lofty issues I would confront and write about.



But, alas our cat found my years worth of notes and I am left with just a smidgeon of shredded paper. However, there are a few thoughts I can share with you from my somewhat weak and feeble memory.

First, I want to thank my wife, Kathy, daughter, Misty, son Nathan, and staff at both offices for putting up with my mood swings, especially when the President's letter was due.

Thanks to Dianne for keeping me on track, when she could. Thanks to the Board of Directors and the various committee chairs and members for their timeless devotion.

Just a few more thoughts and I will let you go.

The Private Practice Committee has been very active this year and will be providing the membership with sample contracts and various check lists to help in the day to day activity of running a business.

One suggestion of the committee is that ISPLS provide an 800 telephone number linked to a group of land surveying professionals that could help the private practitioner with questions. The group could be composed of retired or semi-retired business owners, much like the SCORE program. Questions may regard Rule 12, personnel management, acquiring working capital, marketing, investments, plan commission preparation, zoning board questions, technical issues, etc.

In the future this committee will tackle such issues as liability insurance programs, health insurance programs, review and recommendations of business software, salary surveys, job descriptions, personnel policy, marketing, etc. The list can go on and on. The better the business savvy of land surveyors, the more adept we will be in providing quality services and, yes, obtaining greater profit margins. This will lead to win-win for the business owner, the staff, and the profession of land surveying.

We must continue to provide for and encourage technician involvement and programs through ISPLS. Support technician certification within your business or organization.

There is a growing public awareness of storm drainage issues and liability that poorly designed systems may bring. Among

everything else, ISPLS needs to provide practical application workshops on storm water design within subdivisions, which include inlet capacities, pipe sizing, and storm-water spread within streets.

Providing services to the membership will be emphasized more in the future than in the past. However we must not lose site of minimum education requirements for L.S. Registration and mandatory continuing education. We must work together to promote professionalism and leadership within our profession.

Richard L. Hudson will be your next President. It has been a pleasure to serve with him on the Board of Directors. He is both a professional and a leader. He will serve the membership well during his tenure. Rich! The elusive "greatest Presidents letter ever written" now awaits your pen.

Thanks to the membership for the honor of serving as President of ISPLS.

Last word: "SUCCESS" To laugh often and much; to win the respect of intelligent people and the affection of children; to earn the appreciation of honest critics and endure the betrayal of false friends; to appreciate beauty, to find the best in others; to leave the world a bit better, whether by a healthy child, a garden patch or a redeemed social condition; to know even one life has breathed easier because you have lived. This is to have succeeded. Ralph Waldo Emerson

Professionally,

E.R. Gray, III, PLS

STATE BOARD OF REGISTRATION FOR LAND SURVEYORS NEWS

The Indiana State Board of Registration for Land Surveyors would like to announce the recent appointment to the registration board. Thomas Boofter, a registered Land Surveyor and Professional Engineer from New Albany has been appointed by the governor to fill the position left vacant due to the passing of Rollyn Blankenbeker. Ross Holloway, a registered Land surveyor and Professional Engineer from Mooresville will replace Wes Day. The board would like to welcome Tom and Ross to the board and looks forward to working with them. The board would also like to thank Wes Day for his dedication and service to the board and the Land Surveying profession and wish him well in his future endeavors.

ISPLS BOARD OF DIRECTORS MEETING HIGHLIGHTS

by Dianne Bennett, Executive Director

August 5, 1995

The ISPLS Board of Directors held a meeting on August 5, 1995 at ISPLS headquarters. President Gray called the meeting to order. The minutes and treasurers report were reviewed and approved.

By-laws - Review of the minutes of the 7/28/95 meeting, the consensus of the BOD is to get more information on articles of affiliation and review. Dave Blankenbeker, chairman of Chapters committee will be asked to make recommendations.

Chapters - Central Indiana Chapter is working on the 96 conference. Initial Point Chapter is working on establishing a baseline at Dream Lake. The Techumseh Chapter is trying to get their chapter started again.

Convention - Dan Woo said the 1996 Convention is moving ahead and is on schedule.

Doug Herendeen is working on the South Bend location.

Education - The Route Survey seminar scheduled for July 21st in New Albany was canceled. The GPS seminar is on schedule for October at McCormick's Creek State Park.

Finance - Kevin Page from Robert W. Baird & Co. made a return visit and brought Chris Marten, Wallington Asset Management, for a brief review of ISPLS investment policies and society setup.

ISPLS BOD decided the review of information and money direction should come thorough the finance committee. The finance committee will address 1) Mission Statement, 2) decision on Wallington or Baird, and 3) make the investment amount, divisions and direction decisions.

A motion was made and passed for the finance committee to meet and make a recommendation as to who to hire, the type of money distribution and the specific amounts.

Government Affairs - A letter was reviewed from Tom Dinwiddie to Thomas Rose, Special Assistant to the Mayor for Regulatory Affairs concerning Stormwater Drainage Regulations.

Headquarters - A lease renewal letter was submitted for review. No action taken at this time.

Membership - The following membership applications were reviewed and approved: Member - David Pilz, Dennis Grumpp, Kenneth Harris, Kenneth Herceg, Frank Ballintyn.; Associate Member - John Brinkworth, Jr.; Junior Member - Anthony Ross, Brian Schafer, Larry Rollins Jr., Phillip Gabhart, Brian Resenbeck, Brent Johnson, Mark Weston.

Professional Practice - Jerry Carter, chair, submitted a report to the board to review the committee's activities covering: 1) Contracts for professional services, 2) check list for surveys, and 3)

...continued Page 4

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ISPLS MINUTES

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other services committee can provide for membership.

Public Relations - A speaker for a Route Survey presentation is needed for County Commissioner's meeting, December 6th, 7th & 8th, 1995. The presentation is to be 30-90 minutes. Doug Herendeen and Dan Woo volunteered to work on the presentation.

Scholarship - (Purdue Endowment) A letter from Charles Sage was submitted with specific instructions to amend our previous agreement. It was recommended that ISPLS execute this amendment agreement and no longer contribute to this specific fund. A new endowment will be created to allow for additional scholarships. A motion to sign with revisions to terminology was made and passed.

Technicians - Committee is currently waiting on local chapters to respond to questionnaire.

Surveyor's Historical Society - A letter from Roger Woodfill concerning financial participation in the Remonumentation of Greenville Treaty/Grouseland Treaty Line intersection. The Indiana Historical Society selected this as one of twelve sites to receive a marker. A brochure about the point is needed for IHS review. A motion was made and passed to financially support the printing of a maximum of 300 brochures.

GIS/LIS - A brief update from the July 26th meeting was given.

Old Business - Final payment from Kendall Law Office has been received.

Mission Statement - A mission statement is still needed. Each board member was asked to make suggestions towards a new statement.

New Business - A goal setting session is scheduled for October 27th, 1995.

September 23, 1995

The meeting was called to order by Don Bengel, Vice President, at 10:08 a.m. The minutes and treasurer's report for year end and treasurer's report ending 9/15/95 were reviewed and approved.

By-laws - A letter from Ron Hansell responding to the model by-laws was submitted and discussed.

Convention Coordination - The '96 convention was discussed. So far 19 exhibitors have signed up to attend.

Education - Milton Denny is holding a seminar and would like for ISPLS to endorse it. A motion was made and passed to give a one time endorsement with the condition that Mr. Denny donate \$300. to scholarship and a copy of the course material book to the ISPLS library.

Ethics - A letter was submitted from Ron Hansell concerning a complaint.

Finance - Kathleen Walton, Monetta Financial Services, presented a presentation for money manager and also provided a written package.

Government Affairs - The committee is assigned to review and provide recommendations concerning a letter from DCAM.

Headquarters - A motion was made to accept negotiated rates for office space.

Membership - The following membership applications were reviewed and approved: Junior - David N. Ayala, Edward J.

...continued Page 5

WELCOME NEW ISPLS MEMBERS

as of August 5, 1995

David L. Pilz - Member
Dennis L. Grumpp - Member
Kenneth w. Harris - Member
Kenneth P. Herceg - Member
Frank F. Ballintyn - Member
John S. Brinkworth, Jr. - Associate Member
Anthony S. Ross - Junior Member
Brian T. Schafer - Junior Member
Larry W. Rollins - Junior Member
Phillip S. Gabhart - Junior Member
Brian D. Resenbeck - Junior Member
Brent N. Johnson - Junior Member
Mark Weston - Junior Member

as of September 23, 1995

Milton Denny - Associate
Donald D. Etler - Associate
David N. Ayala - Junior
Edward J. Sweetland - Junior
Gerald J. Byrnes - Junior
Alan G. Stanley - Life
Daniel Rensing - Member
H. Douglas Peirce - Member
William S. Andrews - Member
Tom S. Ackerman - Student
Kenneth D. Smith - Student
Aaron E. Springer - Student
Aaron W. Blank - Student
Katherine A. Dennig - Student
Michael A. Athan - Student
Jeff J. Franciski - Student
Timothy A. Beyer - Student
Timothy D. Higbie - Student
Scott A. Lutz - Student
Michael S. Kervin - Student
Ryan A. Van Der Veen - Student
Christopher P. Burke - Student
Ryan E. Rediger - Student
John D. Marshall - Student
Pamela R. Schreiner - Student
Craig A. Rodarmel - Student
Nora L. Stephenson - Student
Thomas P. Riley - Student
Christina I. Tarres - Student
Matthew G. Russell - Student
Troy D. Smith - Student
Gregory D. Pilkinton - Student

ISPLS MINUTES

...continued from Page 4

Sweetland, Gerald J. Byrnes; Life - Alan G. Stanley, Associate - Milton Denny, Donald D. Etler; Member - Daniel Rensing, H. Douglas Peirce (reinstatement), William S. Andrews; Student - Aaron W. Blank, Kenneth D. Smith, Aaron E. Springer, Tom S. Ackerman, Katherine A. Dennig, Michael A. Athan, Jeff J. Franciski, Timothy A. Beyer, Timothy D. Higbie, Scott A. Lutz, Michael S. Kervin, Ryan A. Van Der Veen, Christopher P. Burke, Ryan E. Rediger, John D. Marshall, Pamela R. Schreiner, Craig A. Rodarmel, Nora L. Stephenson, Thomas P. Riley, Christina I. Tarres, Matthew G. Russell, Troy D. Smith, Gregory D. Pilkinton.

Nominations & Elections - Rick Miller & Perry Cloyd were submitted as Nominees for President Elect.

Publications - A motion was made and passed to allow Student Chapters to sell any ISPLS manuals at the same price as current listings.

Scholarships - A motion was made to accept the revised Purdue University Endowment agreement. A written report from Vincennes Endowment was submitted and reviewed.

Indiana State Board of Registration - Ross Holloway and Tom Boofter have been appointed to the board. A certificate presentation to new licensed surveyors will be made November 3rd, 1:30 p.m.

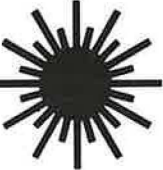
Old Business - (Pennsylvania Survey Video) ISPLS will check on getting a bulk discount on purchasing 10 copies of the Pennsylvania video.

New Business - News releases from ACSM were read and discussed. Action was assigned to the GIS/LIS Committee.

NEW REGISTERED LAND SURVEYORS IN INDIANA



The Indiana State Board of Registration for Land Surveyors held the certificate presentation for Professional Land Surveyors on Friday, November 3rd, 1995. The ceremonies were held at the Government Center South Auditorium, Indianapolis. The following land surveyors were awarded with certificates:

Denise K. Anderson	Martinsville, IN	29500022
Paul Breeze	New Harmony, IN	29500016
Barrie Bunnell	Ft. Wayne, IN	29500018
Mary Lou Carr	Toledo, OH	29500015
Kris D. Conover	Fishers, IN	29500012
Adam L. Dehart	Indianapolis, IN	29500025
J. Ross Drapalik	Martinsville, IN	29500011
Michael O. Falk	Portage, IN	29500024
Timothy C. Gouloff	Ft. Wayne, IN	29500017
Charles D. Graham	Bloomington, IN	29500014
Kenneth W. Harris	Monroeville, IN	29500021
Benson Hinshaw	Plainfield, IN	29500009
Michael Huter	Indianapolis, IN	29500007
Radu M.S. Irimescu	Cedarlake, IN	29500023
Daniel J. Minor	Kokomo, IN	29500008
James D. Smale	Bedford, IN	29500020
Richard E. Waltrip	Bloomington, IN	29500010
James R. Wayman	Seymour, IN	29500026
Richard A. Vermillion	Vincennes, IN	29500019




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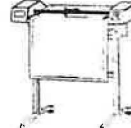
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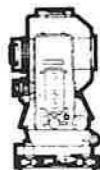
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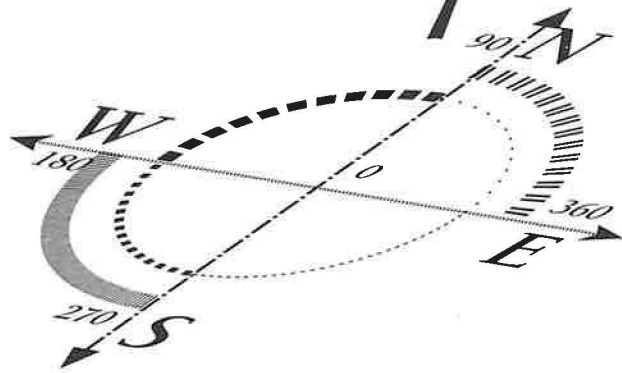
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DRAINAGE PLAN REVIEW IN TIPPECANOE COUNTY

by R. Stephen Hansell

Effective 1-1-95, Ordinance No. 94-54- CM became effective in Tippecanoe County, Indiana, amending the Tippecanoe County Drainage Code to assess the charges for Final Drainage Plan review by the Surveyor's Office (or private engineers or surveyors retained by the Surveyor's Office for compliance review) over the first ten (10) hours per project to the Applicant. One of our members recently was invoiced for seventy four (74) hours of the eighty four (84) hours charged by a private consulting engineer to the County for compliance review. Our members should be aware of this and incorporate provisions in their contracts to specify such charges as additional work, and should alert their residential, commercial, and industrial developer clients to the Ordinance.

WHAT ABOUT A FLAT TAX ?

There is a lot of talk about tax revision right now, but probably the tax proposal drawing the most interest is the flat tax.

In its purest form, a flat tax would impose a single tax rate on the tax base; all deductions and special provisions would be eliminated. A flat tax is attractive because it's simple, and it treats all taxpayers the same.

One flat tax proposal would tax wages, business income, and pension payouts but would not tax investment income, such as interest, dividends, and capital gains. (Not including investment income in the tax base is intended to encourage savings and investment.) An exemption for yourself and your dependents would be allowed, but all other deductions would be disallowed, including those for mortgage interest, charitable contributions, and state and local taxes.

Opponents to a flat tax say it would not raise adequate federal revenue, and the deficit would increase. Also, they point out that a pure tax is regressive.

While public opinion seems to favor a flat tax, that support may wane when taxpayers start analyzing the details of the various proposals. To illustrate, compare two couples, each with two children. The first couple earns \$60,000 a year in wages, and the second earns \$250,000 from investments. With a flat tax such as has been proposed, the first couple would be taxed a flat percentage of their \$60,000 minus a *personal deduction* amount, and the second couple would pay nothing. You'll want to stay tuned as the discussion about alternative tax system continues.

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STAY INSIDE THE LINES...

by R. Stephen Hansell, P.E., P.L.S., Attorney at Law
Indianapolis, Indiana

Engineers' and surveyors' exposure for professional service can be substantially limited... or extended... by virtue of the nature of the work performed. Well, that's not earth-shaking news. What is interesting is the marked effect the description of the professional services can have on your professional liability exposure. The difference between the two (2) years' Statute of Limitations for negligence and ten (10) to twelve (12) years' for planning and design errors and omissions arises from different statutes (laws) which may apply to allegations of errors by professionals.

Statutes of Limitations are legally-established limitations on the period of time from the occurrence of an actionable error or omission until the claimant brings suit. For most negligent acts (the tort of negligence is established if a duty is breached, proximately resulting in damages), the Statute of Limitations is set forth in Indiana Code (I.C.) Section 34-1-2-2:

"The following actions shall be commenced within the period herein prescribed after the cause of action has accrued, and not afterwards:

"(1) For injuries to person or character, for injuries to personal property, and for a forfeiture or penalty given by statute, within two (2) years."

Without getting into extensive discussion of when "the cause of action has accrued", most professional liability insurance policies discuss the "occurrence" leading to a claim. For the most part, the cause of action has accrued when the alleged error happened and when the injured party reasonably could have discovered the error. If bad data is placed on a plat, the Owner won't have an opportunity to notice the problem until the plat has been provided to the Owner. It is advisable, then, to maintain good records of when delivery occurred.

The other Statute of Limitations which may apply to virtually identical professional services, but which provide for five to six times the length of time the design professional loses sleep, is set forth in I.C. 34-4-20-2 as follows:

"No action to recover damages whether based upon contract, tort, nuisance, or otherwise for

"(a) any deficiency of alleged deficiency, in the design, planning, supervision, construction, or observation of construction of an improvement to real property;

"(b) an injury to property, either real or personal, arising out of any deficiency; or,

"(c) injury to the person, or for wrongful death, arising out of any such deficiency,

"shall be brought against any person who designs, plans, supervises, or observes the construction of, or construction on improvement to real property, unless the action is commenced within the earlier of ten (10) years from the date of substantial completion of the improvement or (12) years after the completion and submission of plans and specifications to the owner if the action is for deficiency in design."

The key to the distinction is the triggering activities, viz. "design, plan, supervise, observation, and construction". If the contract calls for these activities and the professional has willingly undertaken to perform them for valuable consideration (i.e. money!), the professional will be on the hook for ten (10) to twelve (12) years under I.C. 34-4-20-2. There is some logic in this, as the design professional has exercised control in changing the condition of the property from its original state to a new condition. If that new condition is dangerous as a result of the design professional's activities, it may take quite some time for the condition to manifest itself and cause injury. The legislature has determined that more than ten (10) to twelve (12) years is an unreasonable percolation period, but that exposure for that period of time is reasonable when the professional exercises control over design, planning, supervision, observation, and/or construction.

However, if the professional merely goes upon the land and misreads a level rod or distance, misidentifies a monument, fails to not evidence of adverse possession, takes a soil boring improperly (but doesn't design footings or specify sewer pipe based upon the erroneous soil boring), or otherwise merely "collects" what information is there without changing the natural condition of the property (Note: driving stakes doesn't count!), the professional may avail himself or herself of the substantially shorter I.C. 34-1-2-2 (1) Statute of Limitations. The logic here is that the unchanged condition of the property is readily observable and as easily checked by the Owner as it is by the professional. Clearly, there are times when this works an apparent inequity--such as when the project is tabled and the route survey is commenced over two (2) years after the topographic survey is delivered to the Owner or the Owner's agent. Realistically, there is not much practical opportunity for the Owner to identify any alleged mistakes, and it doesn't even require delays or tabling of a project for two (2) years to pass between route surveys and construction staking. On the other hand, the surveyor doesn't have control over the schedule after the work product has been delivered, so should the Owner's schedule determine the length of exposure for an erroneous reading or calculation? The Indiana Legislature and generally the Courts say "No".

We leave you with the idea that you can be the master of your fate to a large extent by understanding the nature of your assignment and setting forth your contractual duties in writing. If you are performing an inspection, taking samples, providing a boundary, route, or topographic survey, consider inserting a disclaimer that your duties do not involve planning, design, supervision, construction, or construction observation. Any such responsibilities would be pursuant to a written addendum to the Contract for Extra Work for Extra Compensation or..even better..pursuant to a separate Contract. If you stay between those lines, your need to maintain archival records should be substantially reduced--and you just may sleep better.

I.S.P.L.S. 1996 CONFERENCE

January 17-19, 1996 - Holiday Inn Airport, Indianapolis, Indiana

REGISTRATION

The registration fee of \$165 for the convention includes all handouts, refreshment breaks, two luncheons and the banquet. The registration fee of \$100 for spouses includes a like number of meals. The special student registration fee of \$25 includes meetings and luncheons only. One-day registrant's fees include handouts and luncheons for the day registered. Please return the enclosed registration form with your payment by January 8, 1996 to assure you of reserved space. Registrations received after January 8, 1996 will be on a space available status for meals.

LODGING

Holiday Inn Airport
2501 S. High School Road
Indianapolis, IN 46241
(317) 244-6861

Located at Indianapolis International Airport south of the Airport Expressway and west of I-465.

Convention rates of \$79/night have been arranged. Please state that you are attending the 1996 ISPLS Convention when making your reservations.

PROGRAM

7:00 - 8:30 Past Presidents Breakfast (Thursday)
7:00 - 8:30 PAC Breakfast (Friday)

WEDNESDAY, JANUARY 17

5:30 - 7:00 Cocktail Party in Exhibit Hall
(includes free ticket to Color TV raffle)
Board of Directors Dinner Meeting

7:00

THURSDAY, JANUARY 18

8:00 Registration
Exhibit Hall opens
8:30 - 10:00 Concurrent Sessions
Section Corner Re-establishment (Part I)
Gary Kent

Boundary Law Update
Ron Hansell

Indiana HARN Update
Dr. Boudewijn H. W. Van Gelder

10:00 Break - Visit Exhibit Hall

10:30 - 12:00 Concurrent Sessions

Section Corner Re-establishment
(Part II)
Gary Kent

Environmental Law and Surveying
Verl Myers

Indiana State Board of Registration Meeting

12:00 - 1:30 Luncheon
1:30 - 3:00 ISPLS Annual Business Meeting
3:00 Break - visit Exhibit Hall

3:30 - 5:00 Concurrent Sessions

Least Squares Adjustments
Bryan Catlin

Errors and Omissions Insurance Issues
Ken McComb

Land Title Surveys from a Title
Company Perspective
Mark Wilkinson

6:30 - ??? Banquet and Awards Presentation

FRIDAY, JANUARY 19

7:00 - 8:30 PAC Breakfast
Speaker, Tom Dinwiddie, ISPLS
Lobbyist
(requires separate registration)

8:00 Exhibit Hall opens

8:30 - 10:00 Concurrent Sessions
Celestial Observations (Part I)
Dr. David Knowles

Developing a GIS/LIS (PART I)
David Doyle, NGS

Small Business Organization
Louis R Shlensky, R. J. Pile & Co.

10:00 Break - Visit Exhibit Hall

10:30 - 12:00 Concurrent Sessions

Celestial Observations (Part II)
Dr. David Knowles

Developing a GIS/LIS (Part II)
David Doyle, NGS

Tax Reduction
Rachel Bunting, Tax Reduction
Institute

12:00 Exhibit Hall closes
12:00 - 1:30 Luncheon

1:30 - 4:30 Concurrent Sessions

Legal Descriptions
Dr. David Knowles

Developing a GIS/LIS (Part III)
David Doyle, NGS

Haz-mat and OSHA Issues
Ron Koons, RoSaKo Enterprises

I.S.P.L.S. 1996 CONFERENCE

January 17-19, 1996 - Holiday Inn Airport, Indianapolis, Indiana

PROGRAM PREFERENCE SELECTION

Please indicate those sessions which you would like to attend. A selection at this time does not mean you must attend those sessions at the Convention - it is merely to help the Program Committee ascertain the proper rooms, seating, hand-outs, etc. Your cooperation is appreciated.

Thursday, January 18

- Section Corner Re-establishment
- Boundary Law Update
- Environmental Law and Surveying
- HARN Update
- Least Squares Adjustments
- Errors and Omissions Insurance Issues
- Land Title Surveys from the Title Company Perspective

Friday, January 19

- Celestial Observations
- Developing a GIS/LIS
- Small Business Organization
- Tax Reduction
- Legal Descriptions
- Haz-mat and OSHA Issues

SPOUSES PROGRAM

THURSDAY, JANUARY 18

9:00 - 5:00 Trip to the new Circle Centre Mall in downtown Indianapolis. Lunch will be at one of the restaurants located in the mall.

6:30 - ??? Banquet and Awards Presentation

FRIDAY, JANUARY 19

9:00 - 5:00 Trip to the Indianapolis Museum of Art.

The visit will include a guided tour of the museum, lunch at the Garden on the Green restaurant, and tours of the Lilly Mansion and the Better Than New Shop

REGISTRATION FORM

Mail to: I.S.P.L.S., Inc.
55 Monument Circle, Suite 1222
Indianapolis, Indiana 46204

I plan to attend the ISPLS Annual Convention on January 17 - 19, 1996.

Name: _____

Firm Name: _____

Address: _____

City, State: _____

Zip Code: _____ Phone: _____

Spouse's Name: _____

	Fee	Number Attending	Total
Member	\$165	()	_____
Non-Member	\$240	()	_____
Spouse	\$100	()	_____
Student	\$ 25	()	_____
One-Day (Member)	\$125	()	_____
(Non-Member)	\$150	()	_____

Attending Wed. Thursday Friday

Late Fee after Dec. 31 \$ 30 () _____
Firm Member - Deduct 20% _____

TOTAL AMOUNT ENCLOSED _____

Method of Payment:
 Check (Please make check payable to ISPLS 96)
 Visa Mastercard

Account Number: _____

Expiration Date: _____

Printed Name: _____

Signature: _____

Registration after 12/31/95 will include an additional \$30 late fee. Refund requests received by January 8, 1996 will be made in full. After January 8, 1996, a 50% deduction will be made. After January 16, 1996, NO REFUNDS. Late Registrants WILL NOT be guaranteed handouts and luncheons.

Indiana Society of Professional Land Surveyors, Inc.
55 Monument Circle, Suite 1222
Indianapolis, Indiana 46204
Phone (317) 687-8859

INDIANA SOCIETY OF PROFESSIONAL LAND SURVEYORS

Inaugural Map/Plat Competition

Indianapolis, IN - January 17-19, 1996

OFFICIAL ENTRY FORM

The 1996 ISPLS Map/Plat Design Competition is now open for entries.

This will be a juried contest. A maximum of two maps per style and category will be selected and exhibited at the Annual Conference in Indianapolis, IN. Entries must be submitted by a member of ISPLS. Entrants need not be members of ISPLS. A member of ISPLS must sponsor the map, plat, or project under consideration and their name must be so noted on the nomination form. The entry must have been completed after June 30, 1995 and may not have previously been entered in any state or national contest. The entry may be freehand, machine drafted, or computer drafted.

Submit six prints for each entry with a maximum map size of 34" by 44". Entries must be folded to fit in a 9" by 12" envelope. Submissions must be a single drawing; it may originate as part of a set of drawings,

however, it must be entered as a single sheet. All entries must be postmarked by December 31, 1995. Use one entry form per document submitted.

All entries will be judged on adherence to the minimum standards as set forth by the State of Indiana and NSPS. The judges will consider interpretability, content and layout of data shown, presentation, innovation, applicability to typical client or persons using this type of map, and correctness. Neatness and accuracy of scale will also be considered. Winners will be forwarded to the ACSM/NSPS national competition at ISPLS expense in categories where three or more entries are received. The decisions of the judges are final.

Categories

1. Subdivision Plats
 2. Boundary/Cadastral Maps.....
 3. Topographical Maps.....
 4. ALTA/NSPS Survey Maps.....
 5. ILTA/Miscellaneous Maps.....
- (Only one Category may be checked)

ISPLS Member Sponsoring Map: _____

Entrant's Name: _____

Company or Institution: _____

Address: _____

City: _____ State: _____

Phone: (work) () (home) () _____

No fee to enter

Submit entries with this to:

**ISPLS
ISPLS Map/Plat Contest
Attn: Dianne Bennett
55 Monument Circle, Suite 1222
Indianapolis, IN, 46204**

Title of Entry: _____

Description of Project: _____

Name and address of Nominator if other than entrant.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (work) () (home) () _____

(Use one entry form per document)

**This form may be reproduced for use
in submitting additional entries**

I give my permission for this entry to be placed on display at any ISPLS function. Also, I understand that entries may be reproduced in any ISPLS sanctioned publications, and that winning entries may be duplicated, reproduced, or copied and sold by ISPLS. No entries will be returned. The decisions of the judges are final.

If forwarded by ISPLS to the national competition, I further give my permission for this entry to be placed on display at any ACSM or NSPS sanctioned exhibit on cartography or map design. Also, I understand that entries may be reproduced in any ACSM or NSPS sanctioned publications, that winning entries may be duplicated, reproduced, or copied and sold by ACSM or NSPS, and that the winning contest entries may be placed in the map collection of NSPS at the Michigan Museum of Surveying. No entries will be returned. The decisions of the judges are final.

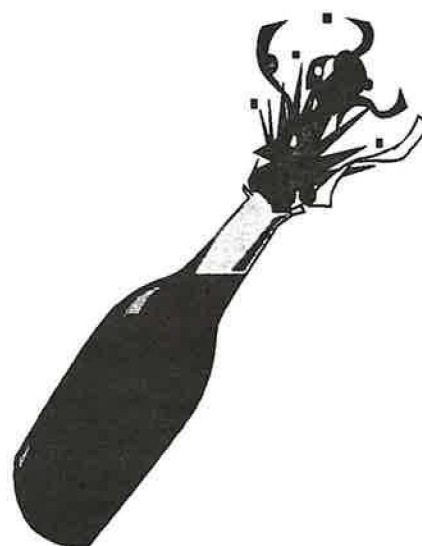
Signature: _____ Date: _____

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- ✓ Point Guide
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- ✓ Interfaces with most Data-Collectors

Description	Distance Meas. w/ 1 prism	Angle Accur.	List Price	Sale Price
GTS-301DPG	2,400m (7,900 ft.)	2"	\$15,790	\$9,795
GTS-302DPG	2,200m (7,200 ft.)	3"	\$13,990	\$8,850
GTS-303DPG	1,200m (3,900 ft.)	5"	\$12,190	\$7,595

GTS-200 Series

- ✓ World's First All Weather Total Station
- ✓ 4-Line Large Display
- ✓ Dual Display on GTS-201D
- ✓ Interfaces with most Data-Collectors

Description	Distance Meas. w/ 1 prism	Angle Accur.	List Price	Sale Price
GTS-201D	900m (3,000ft.)	5"	\$9,790	\$6,595
GTS-202	900m (3,000 ft.)	6"	\$8,190	\$6,250
GTS-203	600m (2,000 ft.)	10"	\$6,990	\$5,895



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Indianapolis
317-542-7673



NSPS NOTICE OF AWARDS

The National Society of Professional Surveyors
Sponsors four 1996 awards for excellence in the
surveying profession.

SURVEYING EXCELLENCE AWARD

Staff Liaison: Pat Canfield ■ ACSM/NSPS, 5410 Grosvenor Lane, Bethesda, MD 20814-2122

Presented to a person who performed outstanding service to the surveying profession, this award includes an engraved plaque and a \$500 honorarium contributed by POB Publishing Co., Canton, Michigan.

The person does not have to be a surveyor or a member of NSPS or ACSM, but candidates must be nominated for the award by an ACSM affiliate section or two NSPS members at large. If nominated by an ACSM section or affiliate, the nomination must be signed by two officers of the organization. If nominated by two NSPS members at large, the nomination must be signed by the sponsors and accompanied by four letters of recommendation.

Each nomination must include a narrative stating the reasons why the sponsors feel the nominee is deserving of this honor, specific accomplishments the nominee has made toward the profession and biographical data that can be used in the award presentation.

The staff liaison must be notified of any nomination by December 31, 1995.

MOST INTERESTING SURVEYING PROJECT OF THE YEAR AWARD

Staff Liaison: Pat Canfield ■ ACSM/NSPS, 5410 Grosvenor Lane, Bethesda, MD 20814-2122

This award consisting of a Pentax IQZoom 105 Super 35mm camera with case, a plaque, and 1000 reprints of the resulting published article contributed by Pentax Corporation, Englewood, Colorado, is presented to individuals, companies, governmental units, or state associations having knowledge of interesting projects and the ability to provide documentation of the project—technical information, releases, photographs, and a record of the personnel and equipment involved. The project need not have occurred in the last year.

Interested candidates should submit a project by December 31, 1995 to P.O.B., Attn: Most Interesting Surveying Project, P.O. Box 2600, Troy, MI 48007-2600.

STUDENT PROJECT OF THE YEAR AWARD

Staff Liaison: Pat Canfield ■ ACSM/NSPS, 5410 Grosvenor Lane, Bethesda, MD 20814-2122

This award consists of a plaque and a \$500 honorarium, contributed by C&G Software Systems, Inc., Atlanta, Georgia, as well as paid travel and lodging expenses to the ACSM-ASPRS Spring Convention.

A submitted paper should describe a project in which the applicant was a participant and may involve a group of students and/or non-students. The paper must be written by one person only. Advice and constructive criticism from the applicants' instructor or supervisor is permissible and encouraged. The project need not have occurred within the preceding 12 months. All papers submitted will be considered for presentation and publication by ACSM specifications for the format of the manuscript can be acquired from the staff liaison.

Completed papers should be submitted to the staff liaison by December 31, 1995.

EXCELLENCE IN PROFESSIONAL JOURNALISM

Chairperson: Kenneth S. Curtis ■ 2204 Happy Hollow Road, West Lafayette, IN 47906

An engraved plaque is presented annually to the ACSM affiliate society whose newsletter was judged to have the highest quality during the previous year. In the past, judging was made by the editors or publications chairmen of the newsletters participating in the contest. Any editor wishing to participate should contact the chairman for information.

For complete details: Contact Pat Canfield at ACSM/NSPS 5410 Grosvenor Lane, Bethesda, MD 20814-2122 Or Call (301) 493-0200

REMONUMENTATION OF THE INTERSECTION OF THE GREENVILLE AND GROUSELAND TREATY LINES

by Michael L. Crawford, P.L.S.

One day short of the 190th anniversary of the signing of the "Treaty at Grouseland" there was a gathering in Franklin County, Indiana to celebrate the dedication of the remonumentation of the intersection point of the Grouseland Treaty Line and the Greenville Treaty Line. This was the culmination of the process begun over a year ago and originally reported in the Fall 1994 issue of the *Hoosier Surveyor*. Franklin county citizens, local historians, and surveyors from across the state met in Brookville on August 20, 1995 to caravan the two miles to the site of a new Indiana Historical Society marker which commemorates the intersection of these two treaty lines.

The Greenville Treaty Line was surveyed by Surveyor General Deputy, Israel Ludlow in 1798. This line defined the westward limit of European settlement as a result of a treaty signed at Fort Recovery Ohio in 1795. The treaty line began at the mouth of the Kentucky River (at present day Carrollton, Kentucky) and ran northeasterly to Fort Recovery. Ludlow probably set a wood post every mile along this line.

In 1805 William Henry Harrison, governor of the Indiana Territory, negotiated the Treaty at Grouseland. Grouseland was the name of Harrison's home near Vincennes. The Northern line of the treaty ran from "Freeman's Corner" on the Vincennes Tract northeasterly more than 80 miles to the 50 mile post of the Greenville Treaty Line. The job of surveying this line fell to Deputy Surveyor Arthur Henri. Beginning in July of 1806 he set out across the rugged terrain of Southern Indiana. He intersected Ludlow's line near the 35 mile mark, 15 miles south of his goal. He then moved up to the 50 mile post and started back toward Freeman's corner. On August 9, 1806 he crossed the Vincennes Tract line missing his intended destination. Beginning once again at Freeman's Corner he headed back along a bearing of North 57 degrees 00 minutes 00 seconds East and corrected his second line to the true treaty line.

Almost two centuries later Michael and Jennifer Wilz purchased a 137 acre tract of land, 100 acres of which lay west of the Greenville Treaty Line and is bounded on the south by the Grouseland Treaty Line. This fact was discovered by Roger Woodfill, ISPLS member and current executive secretary of the Surveyors Historical Society. Roger, being curious and armed with a Franklin County Auditors map, had gone in search of the intersecting point of the two treaty lines he had seen noted on a quad map. His search brought him to the Wilz homestead where he found a fence corner in the woods behind a stock pond dam that could possibly be the location of the point of intersection. With the Wilz's enthusiastic cooperation and support recovery of the point of intersection began in earnest.

Franklin County Surveyor, Joe Gillespie, donated the time, equipment, and manpower necessary to perform the field work. Joe, along with Robert Blair and Jim Roell, ran a 2.5 mile traverse across the difficult terrain in order to develop a mathematical

relationship between existing stones, fenceposts, iron pipes and pins that local records referred to as marking the Greenville Treaty Line and the Grouseland Treaty Line. Based on the information gathered in the field and in the archives and an analysis of that information, the intersection of the Greenville Treaty Line and the Grouseland Treaty line was re-established. This point is now monumented by a stone pillar topped by a bronze disc and a Surveyors Historical Society plaque.

On August 20th the group gathered by the roadside Indiana Historical Society marker wound its way along the mile of gravel road which leads from St. Mary's Road to the Wilz's farm. Parking our vehicles, we proceeded across the barn lot, through the open field, past the pond and dam, into the woods, and down the hill to the newly erected stone monument. Here we met and talked with the people instrumental in preserving this piece of our history. We also heard from Brad Rayl, president of the Indiana Surveyors Historical Society and E.R. Gray, president of the Indiana Society of Professional Land Surveyors which tied together the past, present, and future of the profession of land surveying. A reception hosted by Michael and Jennifer Wilz followed to celebrate the work and spirit of our forbearers and of those who follow their footsteps.



Surveyors Historical Society Marker at Actual Point on brink of a hill. Photographer looking southeast.



Indiana Historical Marker on St. Marys road, two miles west of Brookville, Indiana, 1 mile north of actual intersection. Pictured with marker is Michael Wilz, property owner.



Surveyors & Technicians
Standing left to right: Joe Gillespie, PLS, Robert Blair; Howard Hughes Kneeling left to right: Jim Rowll, Roger Woodfill, PLS

Photo's by Beth Crawford



Complete and mail this APPLICATION and indicated Annual Dues (US Funds) to:

SURVEYORS HISTORICAL SOCIETY- 300 W. High Street, Suite 2, Lawrenceburg, IN 47025

MEMBERSHIP APPLIED FOR:

- Student (\$10)
 Regular (\$30)
 Life (\$500)

Name: _____
 Home Address: _____ Home Phone: _____
 City: _____ State (Country): _____ Zip: _____
 Firm/Agency: _____
 Office Address: _____ Office Phone: _____
 City: _____ State (Country): _____ Zip: _____
 PLEASE SEND ALL S.H.S. CORRESPONDENCE TO: HOME: _____ OFFICE: _____

CATCH UP ON THE PAST . . .

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- subscription to biannual journal "Backsights"
- members-only newsletter "Insights"
- network with others interested in the history of surveying
- exhibit your collections in professional & museum settings
- access to society and member-owned book collections

Professional Land Surveyors of Ohio

21st Annual Conference, February 8 - 10, 1996

Cincinnati, Ohio

PROFESSIONAL PROGRAMS

ASTRONOMIC AND GRID AZIMUTH: Dr. R. B. "Ben" Buckner, Ph.D, Licensed Surveyor, Engineer, Planner, Author, Teacher, and Consultant.

A 7-hour, 4-part class on azimuth determination, and the theory, various methods and variables, field procedures, computations, controlling errors and conversions of astronomic azimuth.

STATE PLANE COORDINATES: Dr. R. B. "Ben" Buckner, Ph.D, Licensed Surveyor, Engineer, Planner, Author, Teacher, and Consultant.

A 7-hour, 4-part class on horizontal control systems and plane coordinate geometry; fundamentals, applications and advantages of state plane coordinates; development and basic differences between NAD27 and NAD83; use in local control and boundary systems; conversions and transformations; references and available software.

SURVEYING HISTORY: Donald A. Wilson, R.L.S., R.P.F., M.S., M.A., Licensed Surveyor, and Author.

A 9-hour, 6-part class on the history of surveying; researching and applying early laws to deal with present day survey problems, and the incorporation of early survey methods into High-Tech survey practices.

BUSINESS PROGRAMS

MARKETING SMALL BUSINESS: Betsy Neyer, Marketing Director, Barnes, Dennig & Co., Ltd.

ACCOUNTING FOR SMALL BUSINESS: Douglas B. Lange, C.P.A., Munninghoff Lange & Co.

LIABILITY INSURANCE FOR SMALL BUSINESS: Eric A. Teske, Senior Vice-President and Principal, DanMark Group.

COURTROOM PREPARATION: Eric A. Teske, Senior Vice-President and Principal, DanMark Group.

TECHNICAL PROGRAMS

MULTI-COUNTY GIS SYSTEMS: Representatives from Butler, Clermont Hamilton, and Warren Counties and Northern Kentucky.

A 3-hour, 3-part round-table discussion by local GIS representatives of the similarities and differences between their respective systems, available data, and the driving and restraining forces for GIS.

N.G.S. OHIO HARN SYSTEM: David R. Doyle, Senior Geodesist, National Geodetic Survey

A 3-hour, 2-part discussion of the impact the Ohio HARN Network will have on the surveying profession and a progress report on the ongoing field work.

THE G.I.S. STARTER KIT: John R. Schmidt, M.S. Computer Science, NCAD Corporation.

Beginning a productive utilization of a low cost, powerful, complete, scalable geographic data base technology.

LESSONS IN G.P.S.: Daniel J. Rensing, P.S., Vice-President, JMA Consultants.

The actual mechanics involved in performing a static G.P.S. survey, from site selection, to network design and observation procedures, to data processing. Based on benchmark densification in Hamilton County.

STATE BOARD OF REGISTRATION CURRENT ISSUES: Mark T. Jones, P.S., Executive Secretary, and Jerry Pringle, Board Investigator, Ohio Board of Registrations

A 3-hour, 3-part discussion of current issues and activities including Continuing Professional Development, enforcement of O.R.C. 4733 and any new legislation affecting the surveying profession within the state.

ARMY CORPS OF ENGINEERS: Speaker to be announced

Surveying and Engineering of our countries major waterways; issues affected by the Great Midwest Flood of 1993.

O.S.H.A. REQUIREMENTS: Sherry Blahnik, Project Manager, R. D. Zande and Associates.

The latest in rules and regulations; becoming current and staying current on health and safety issues affecting field crews on the job site.

For office use only: Postmark date ___/___/___
Check # or cash receipt # _____

Professional Land Surveyors of Ohio

21st Annual Conference, February 8 - 10, 1996

Cincinnati, Ohio

Name _____, _____, _____ Name for Badge _____
Last, First, M.I.

Company Name _____ Business Phone (____) _____

Address _____ FAX Number (____) _____

City/State/Zip _____ Home Phone (____) _____

Spouse's Name _____ Spouse's name
if attending _____ to appear on Badge _____

Registration (check all that apply):

PS # _____ PE # _____ SIT # _____ EIT # _____ Exhibitor Other

PLSO MEMBER # _____ PLSO chapter(s) _____

Full Time Student - School Attending _____

	PLSO Member	Non-Member	Amount
FULL REGISTRATION (Registered Professional) Includes Thursday and Friday lunches, Friday banquet and Monte Carlo, Saturday brunch, admission to all technical sessions and exhibits.	195.00	225.00	_____

ONE DAY REGISTRATION (Registered Professional) Includes Thursday or Friday lunch and admission to Thursday or Friday technical sessions and exhibits.	100.00	120.00	_____
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FRI & SAT REGISTRATION (Registered Professional) Includes Friday lunch, Saturday brunch and admission to Friday and Saturday technical sessions and exhibits.	160.00	190.00	_____
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SPOUSE Includes Thursday and Friday lunches, Friday banquet and Monte Carlo, Saturday brunch, and admission to spouse programs and exhibits.	120.00	135.00	_____
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TECHNICIAN (Non-Licensed individual) Includes lunch for the day(s) and admission to technical sessions and exhibits.	One Day	55.00	_____
	3 Days	140.00	_____
	FRI, SAT	85.00	_____

STUDENT (Full time Surveying related curriculum) Includes admission to technical sessions and exhibits.	One Day	10.00	_____
	3 Days	25.00	_____
	FRI, SAT	20.00	_____

Which lunch for One Day registration for Professional or Technician?
 Thursday Friday

Subtotal Registration _____

Discount if post-marked by Monday, January 8, 1996 _____

EXTRA MEAL(S) AND/OR CLASS MANUAL(S):	No.		
Thursday Lunch	_____ @	20.00	_____
Friday Lunch	_____ @	20.00	_____
Friday Banquet and Monte Carlo	_____ @	40.00	_____
Saturday Brunch	_____ @	20.00	_____
R. Buckner's <u>Astronomic & Grid Azimuth</u> *	_____ @	12.00	_____
R. Buckner's <u>State Plane Coordinates</u> *	_____ @	10.00	_____

* See reverse side for explanation

Subtotal extra meals and books: _____
GRAND TOTAL with discount _____

Use a separate form for each registrant.
Registrant and spouse can use the same form.
Copy this form as needed.

NOTE:
THIS FORM MUST BE ACCOMPANIED BY A CLASS REGISTRATION FORM.

Return this registration form by January 31, 1996 to:

Santoro Engineering
1501 Cincinnati Batavia Pike
Batavia, Ohio 45103
Attn: Gary Ross

Make checks payable to:
"1996 PLSO Conference"

Questions can be addressed to Homer Hendrickson at (513) 932-6577 or Bob Smith at (513) 677-1555.

1996 - P.L.S.O. CONFERENCE CLASS REGISTRATION FORM - 1996

MUST BE RETURNED WITH CONFERENCE REGISTRATION FORM; LIST CLASS PREFERENCES (1, 2, 3) FOR EACH SESSION

**THURSDAY
FEB 08, 1995**

**PROFESSIONAL
PROGRAM**

**BUSINESS
PROGRAM**

**TECHNICIAN
PROGRAM**

**SPOUSE
PROGRAM**

MORNING SESSION	—	ASTRONOMIC AND GRID AZIMUTH PARTS 1 & 2 *	MARKETING SMALL BUSINESS AND ACCOUNTING FOR SMALL BUSINESS	MULTI-COUNTY GIS SYSTEMS ROUND TABLE PARTS 1, 2, & 3	CITY TOUR INCLUDING PARKS, CONSERVATORY AND LUNCH AT THE FAMOUS "ROOKWOOD POTTERY"
AFTERNOON SESSION	—	ASTRONOMIC AND GRID AZIMUTH PARTS 3 & 4 *	LIABILITY INSURANCE FOR SMALL BUSINESS AND COURT ROOM PREPARATION	N. G. S. OHIO HARN SYSTEM PARTS 1 & 2	CITY TOUR CONTINUED INCLUDING OMNIMAX MOVIE & MUSEUMS TOUR

**FRIDAY
FEB 09, 1995**

**PROFESSIONAL
PROGRAM**

**TECHNICIAN
PROGRAM**

**SPOUSE
PROGRAM**

MORNING SESSION	—	STATE PLANE COORDINATES PARTS 1 & 2 *	SURVEYING HISTORY PARTS 1 & 2	THE G. I. S. STARTER KIT AND LESSONS IN G. P. S.	HAT AND FASHION SHOW
AFTERNOON SESSION	—	ANNUAL MEETING STATE PLANE COORDINATES PARTS 3 & 4 *	ANNUAL MEETING SURVEYING HISTORY PARTS 3 & 4	SURVEYING OLYMPICS STATE BOARD OF REGISTRATION CURRENT ISSUES	"MAISONETTE" LUNCHEON AEROBICS CLASS

**SATURDAY
FEB 10, 1995**

**TECHNICIAN
PROGRAM**

**SPOUSE
PROGRAM**

MORNING SESSION	—	—	SURVEYING HISTORY PARTS 5 & 6	ARMY CORPS OF ENGINEERS AND O.S.H.A REQUIREMENTS	—
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***CLASS MANUALS**

The purchase of manuals titled *Astronomic and Grid Azimuth*, and *State Plane Coordinates in Modern Surveying Practice* is strongly recommended, and they are being sold at a special conference price. Classes will be limited to the first 250 people, and books at the special conference price will be available **ONLY** to those persons registered for these classes. Dr. Buckner will make additional books available to other registrants at a discount from the list price.

HOTEL INFORMATION

REGAL CINCINNATI HOTEL - A special P.L.S.O. rate has been established at the site of the annual conference. Reservations must be made or postmarked prior to **January 07, 1996**. The rate for one and two bed rooms is \$79.00 per night. Parking in the hotel garage will also be provided at a special conference rate of \$9.00 per night. Reservations received after **January 07, 1996** will be provided on a rate and availability basis only.

Call Guest Relations at (513) 352-2110, or return a hotel registration form to:
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REMEMBER to ask for Professional Land Surveyors of Ohio rates.

DIRECTIONS TO CONFERENCE AND HOTEL

Traveling NORTH on I-75

Stay in the right lane while on bridge over Ohio River. Take Vine St. exit, turn left on Vine St. to 6th St., turn left to Plum St., turn left to 5th St., to auto entrance.

Traveling SOUTH on I-71

Take 3rd St./Elm St. exit. Continue straight ahead on Elm St. to 5th St. auto entrance.

Traveling SOUTH on I-75

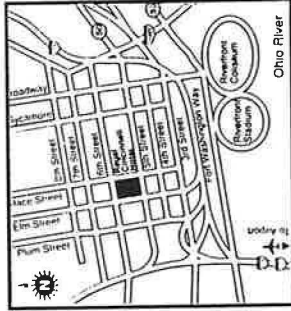
5th St. exit to auto entrance.

Traveling EAST on I-74

Take I-74 East to I-75 South, exit 5th St. to auto entrance.

Traveling West on Rt 52

Take Rt 52 West, merge I-71, take 3rd St./Elm St. exit. Continue straight on Elm St. to auto entrance.



MONTE CARLO NIGHT

Monte Carlo Night is included with the Friday night Banquet. Admission is included with your Banquet ticket. Only those who attend Friday's Banquet will be admitted to the Monte Carlo Event.

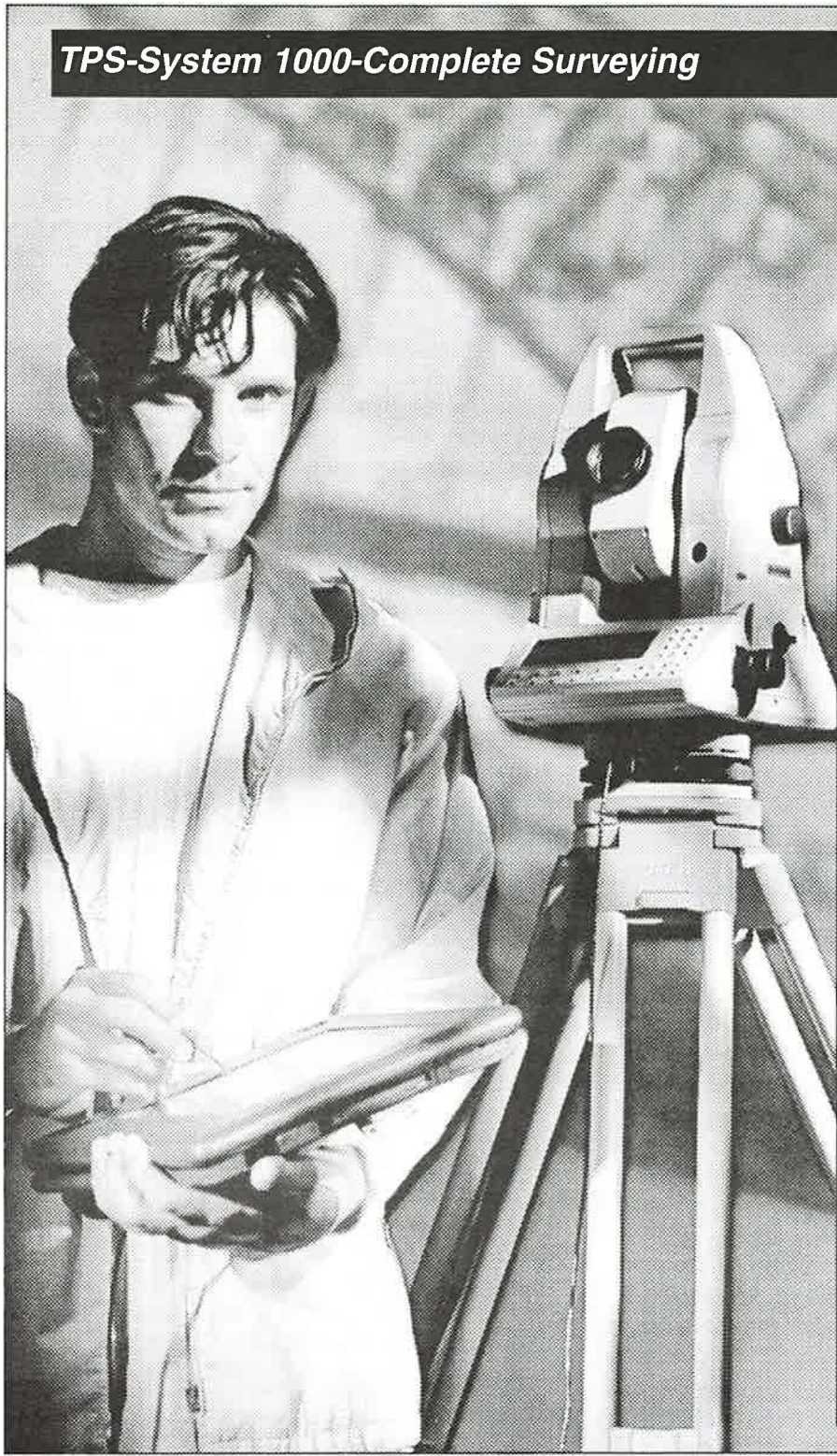
Premier Casino Events, Inc. will again be handling the Monte Carlo Night. Those who attended the 1989 Conference should remember the **EXCELLENT** job done by Premier Casino Events. Premier Casino Events was recognized by the prestigious Special Events magazine for producing one of the world's Top 19 events. Games include blackjack, craps, roulette, riverboat roundup and beat the dealer. Prizes will be raffled off at the end of the evening with tickets you purchase from your winnings. So if you are looking for good entertainment, plan to attend Friday's Banquet and the Monte Carlo Night.

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BLOODBORNE PATHOGENS IN YOUR WORKPLACE

by Ron Koons, RoSaKo Enterprises
Safety Consultants, Middletown, Indiana

One of the many changes made in the OSHA Regulations over the past few years has been in the prevention of bloodborne diseases. Healthcare facilities have dealt with this problem for years. With the increase in cases of Hepatitis B and HIV/AIDS this now hits all of our workplaces. Employees who are directly exposed to blood or other infectious bodily fluids on a regular basis receive extensive training on how to prevent transmission of the diseases. Even with the extensive training for employees such as doctors, nurses, ambulance personnel, firefighters, and law enforcement officers, there are still "incidents" that provide paths for infection. If you ever have seen ambulance personnel exit their vehicle at an emergency site you will see disposable gloves in place. Most law enforcement officers now carry gloves while on duty.

How does all of this relate to you and your employees? Most of your employees will not normally be exposed to bloodborne contamination like the above mentioned employees. Your employees do need to be trained on how to recognize bloodborne hazards, prevention techniques, and what to do in case of accidental exposure.

Since any individual can have a bloodborne disease for a period of time without symptoms, YOU could even be infected and not know it.

What we are now referring to as bloodborne diseases may be present in other bodily fluids. Some states have now even passed laws that spitting on anyone when you have a bloodborne disease is considered a criminal offense. Since any bodily fluid could potentially be contaminated, all bodily fluids found must be considered infectious. Taking universal precautions at all times is the only safe way to deal with this problem. Since any individual can have a bloodborne disease for a period of time without symptoms, YOU could even be infected and not know it.

There are many ways to contact an infectious bloodborne disease. Diseases can be transmitted through open wounds (remember that paper cut or splinter in your finger), through other fluid to fluid contacts, and as we have seen many times lately in the news, through sexual contact.

Remember, your employees should never clean or handle any bodily fluids without first having been trained on the proper procedures. These procedures include the proper personal protective equipment (such as gloves, goggles, respiratory, and in severe cases even clothing), how to disinfect the area, how to disinfect employees, disposal, proper procedures for first aid treatment, etc. Many bodily fluid cleanup kits are now available on a commercial basis or you can purchase components separately and make your own kit, but you need to have something available to handle any emergencies.

All employees who clean restroom facilities should be protected by at least disposable gloves and depending on the situation maybe even other PPE items. Of extreme importance is disposal of any sharps (needles) that could be in the trash. There have been many accidental punctures from needles sticking out of plastic trash bags. If you have any employees who must take injections during work time ask them to dispose of their sharps at home. If you provide a sharps container for disposal the cost for proper disposal can be quite expensive. When employees are taking trash bags from restroom areas to the dumpster advise them to be cautious on how they are carried.

Probably the most obvious avenue for bloodborne contamination in the workplace is after an employee is injured. All employees should be informed to wear disposable gloves when treating any open wound from another employee (severe cases may require additional PPE). Even tasks as simple as putting a band aid on a cut must be considered potentially infectious.

Probably the most obvious avenue for bloodborne contamination in the workplace is after an employee is injured.

If one of your employees ever comes into contact with any potential bloodborne contaminants while working, the company must offer a hepatitis B vaccination and a physical to determine if any contamination has occurred. If the employee refuses the vaccination you should get the refusal in writing (OSHA has a recommended format).

This article only gives a broad overview of the regulations. You need to be thoroughly informed to protect both your employees and your business. It is my personal feeling that this is one of the OSHA Regulations that make a lot of sense. There may be particular stipulations that some people may think go too far, but in dealing with a potential deadly problem that we can't even see how far should we go?

Correction Notice --

The correct price for *River & Lake Boundaries* is \$49.00, including postage in USA and the telephone number for Plat Key Publishing, the publisher, is (520) 753-1401. Not available in book stores.

NEW MANUAL TEACHES DESIGN PROFESSIONALS THE ART OF SUCCESSFUL NEGOTIATING

Author and management consultant Frank A. Stasiowski's twenty years of comprehensive design and building negotiating expertise has now been published in the new 1995 *Project Manager's Negotiating Manual*.

"Most formal design schools prepare architects and engineers to defend their designs in front of an academic committee. Too many designers are not taught to take the offensive and negotiate for what they want and need," says Frank A. Stasiowski, President of Practice Management Associates, Ltd.

His 370 page manual, written in an easy-to-follow bulleted format, offers practical step-by-step instructions for managing all phases of the negotiating process, from choosing a winning strategy to signing the deal.

"Negotiating is a skill that can be learned," says Stasiowski. "Everyone in the firm should understand the potentials and pitfalls of negotiating, so they can achieve contracts that provide the profit they need and the resources necessary to do a standout job for the client."

Stasiowski holds degrees in both architecture and business management. His consulting and publishing firm Practice Management Associates, Ltd., located in Newton, Ma., publishes PSMJ, AEMJ, Project Management and Design-Built Strategies and provides business solutions to design professional worldwide.

Key subjects in the Negotiating Manual include how to choose a strategy, preparing the negotiating team, creating favorable logistics, ensuring profitability and negotiating with government agencies.

Special chapters focus on current issues involved in value pricing, fee bidding, limiting liability, change order strategies, partnering, overseas negotiating and the use of electronic communications.

Negotiating tactics proven to win the edge are expertly presented. Learn to successfully plan interruptions, determine who holds the power among your opposition, when to utilize a walk-out position and how to increase your bargaining team's strengths.

"Mutual agreements help designers and engineers reach their goals and leave both parties satisfied, and, most importantly, lay the foundation for long-term relationships," says Stasiowski. "But these agreements do not just happen; they are created by successful negotiations."

The pre-bargaining phase, from selecting your team to staging mock presentations, is probed in detail. Unexpected negotiating snags are dealt with as well, e.g., handling surprise one-on-one negotiations and unfavorable seating situations. The manual suggests 29 specific terms that design professionals can add to their contracts immediately to maximize profitability and minimize

CALENDAR

November 13-17, 1995

ACSM/ASPRS Fall Meeting and GIS/LIS '95 Annual Conference and Exposition, Nashville Convention Center, Nashville, TN.

January 17, 18, 19, 1996

ISPLS Annual Convention, Holiday Inn Airport, Indianapolis

December 14, 1995

NW Chapter Christmas Party

February 8-10, 1996

Professional Land Surveyor of Ohio Annual Conference, Cincinnati, Ohio

February 14-17, 1996

Kentucky Association of Surveyors Annual Conference, Holiday Inn North, Lexington, KY

February 20-23, 1996

Michigan Society of Professional Surveyors Annual Conference, Holiday Inn South, Lansing, MI

February 21-24, 1996

Illinois Professional Land Surveyors Association Annual Conference, Springfield, Ill.

April 20-26, 1996

ASPRAS/ACSM Annual Convention, Baltimore, MD

losses. It also provides proven methods for assuring, in advance, that the firm will be fairly compensated for changes made during the project.

Work sheets, check lists, study exercises, samples and data sheets throughout the manual can easily be removed for copying and repeated use. They lead professionals through the process of examining past negotiations and unsuccessful tactics and help them lay the groundwork for future negotiating sessions.

"This manual provides designers and engineers with a hands-on tool that can be modified and improved by each firm's successful negotiating practices," says Stasiowski.

Seventeen summary reminder cards, the size of index cards and printed on heavy stock, can be taken to the negotiating sessions to remind negotiators of the principles discussed in the manual.

For further information on the 1995 *Project Manager's Negotiating Manual*, or to order a copy for \$277, contact Practice Management Associates, Ltd., Ten Midland Avenue, Newton, MA 02158, phone (617) 965-0055, fax (617) 965-5152.

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ECONOMY—Over time the features of Harrison's Survey Markers make them the most economical investment available today. The Primary choice for perpetuation of original government corners.

EXTENDIBLE SERIES:

- The primary choice for perpetuation of original government corners.
- Standard legends, private legends and brass plates are available.
- No replacement needed—Just remove the top with the Easy-off Wrench and add spacers and/or legend top for flush fit.
- Spacers and legend tops are available in 1", 2", 5" and 10" lengths.
- Flared base and straight models are available in a wide variety of lengths.

HARRISON
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Established in 1961

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