

HOOSIER SURVEYOR



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

VOLUME 23
NUMBER 1
SUMMER 1996



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John Whiteside from Marion County Surveyors Office, demonstrates GPS equipment to the surveying students at Vincennes University. Pictured left to right: John Whiteside, Raymond Spicer, Beau Watkins, Kelly Marley, Jason Sanford, Chad Clark.

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Names and columns appearing in this publication do not necessarily reflect the points 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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HOOSIER SURVEYOR

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PRESIDENT'S THOUGHTS

by Richard L. Hudson, Valparaiso, IN

It's that time again! Yes, time for the third installment of thoughts from the president. I always seem to make such a big deal out of it, and let it go until the minute after the "last minute". Since



my last penning, many things have happened.

--Membership renewal for individuals and firms is underway.

--The Chapters Committee and the By-Laws Committee have put the final touches to the proposed ISPLS Chapter By-Laws. It was approved by the Board of Directors, and will

be sent to all chapters for their acceptance.

---ISPLS is, or will be shortly, on the Internet. Chris Marbach has been coordinating the Society's efforts, and is soliciting firm membership support. Individual membership donations will also be available for \$50, which gets you a business card-size ad on our web page.

--Seminars are planned through the end of the year: August 9th, Purdue University, Calumet Campus, "State Plane Coordinates"; August 30th, Hoosier Hills Chapter, "Boundary Law"; October 4th, Brown County State Park, Nashville, Indiana, "Error Analysis & Adjustments"; November 8th, Initial Point Chapter, "Route Surveying". The Society has also been informed that ACSM would like to start putting on seminars in the state, so there is a lot going on within the Society.

Well, as I sit here, on vacation in Baltimore, MD, and thinking about what baseball game to go to tonight, I'm compelled to talk about someone great in my life who is gone, but came by in spirit last week.

During the course of my professional career, I have been influenced by many people, but none as much as by Ordell L. Gertsmeier. As many of you know, Gerts passed away in March of 1991, but his way of doing things lives on in me. During the thirteen plus years that I worked next to Gerts, I learned what a professional is: One who combines business, civic involvement and family into a career, doing the best job possible, giving to your community and profession by being involved, while all the time keeping your family and friends first in your heart. The business part really came easy. We provided the best service we could. And guess what? We made money. People came to us because we could help them with their problem, no matter how large or how small. We cared. Community and professional involvement was our marketing philosophy. We were involved because it was the right thing to do. And you know what? We made money. Not the dollar kind of money, but the respect of our communities and other professionals, because we cared enough to get involved. And

finally, the love of family and friends was probably the most important thing we were taught. Once our business and professional careers are done, after we have retired and moved away, our family and friends are the ones who will be there for us.

On July 19, 1996, Gerts' family and friends met at Rogers-Lakewood Park to remember the man, and for me to relive the man. I realized that day that I was doing things right. What I have questioned over the last few years was answered. I will continue to provide the best service to my clients and community, and try to remember that my family and friends come first. And you know what? I'll be rich because of the influence of "An extraordinary business and civic leader who exemplified service and love for family and community" (dedication on bridge plaque).

The Ordell L. Gertsmeier Bridge at Rogers-Lakewood Park was dedicated in his name and to his memory on July 19, 1996, with those that loved him and miss him in attendance. It was important for me to share this special occasion, most importantly with my daughter Adrienne by my side, and with everyone throughout the State of Indiana. Thank you.

Yours professionally,

Richard L. Hudson, P.L.S.

NEW REGISTERED LAND SURVEYORS IN INDIANA

The Indiana State Board of Registration for Land Surveyors held the certificate presentation for Professional Land Surveyors on Thursday, May 16th, 1996. The ceremonies were held at the Government Center South Auditorium, Indianapolis. The following land surveyors were awarded with certificates:

Daniel J. Binz	Harrison, OH	29600001
Ted P. Darnall	Lafayette, IN	29600006
Robert D. Peterson	Fishers, IN	29600005
Stephen M. Roeschlein	Indianapolis, IN	29600000
Jeffrey E. Stenger	Sunman, IN	29600000

ISPLS BOARD OF DIRECTORS MEETING HIGHLIGHTS

by Dianne Bennett, Executive Director

April 13, 1996

The ISPLS Board of Directors met on Saturday at The Trails, W. Lafayette. President Hudson called the meeting to order. Guests present were Ron Murry, Brad Ott, Bob Gross and Prof. Ken Curtis. The minutes and treasurer's report were reviewed and approved.

Staff Activity Report - A written report was submitted and reviewed. The report is stated under individual topics listed below.

Chapters - The Northwest Chapter had a meeting on April 11th. A presentation on GIS & LIS was given by a local survey supply company.

The Hoosier Hills Chapter held their annual banquet. Mike Atwood with "Across Indiana" was the speaker.

Central Indiana Chapter elected new officers and increased the Purdue and Vincennes scholarships from \$300 to \$500 for each school.

Southwest Chapter had a meeting on Wednesday, April 10th with a presentation on GPS.

The Northeast Chapter had a meeting the first week of April. There was no report received from the Initial Point Chapter, Tecumseh Chapter and St. Joseph Chapter.

Convention Coordination - The 1997 Convention will be held at the Century Center, South Bend, Indiana. The convention hotel will be the Marriott. A motion was made and passed to increase the

seed money for the convention from \$1250 to \$5000 and to move the fund over to the general checking account.

Education - The April 19th workshop in Columbus is full and people were turned away. Initial Point Chapter held a workshop on EDM Calibration April 13th. A motion was made and passed to accept the education recommendation that 7 P.D.H. be given for the workshop.

Finance - The finance committee will meet Friday, May 3rd instead of Friday, May 10th to prepare the 1996/1997 budget.

The agreement with Wallington Asset Management, Inc. was signed.

Government Affairs - Burgess & Niple, LTD. has been selected by IN.D.O.T. to prepare the new Right-of-way Engineering Manual. Scott Sondles of Burgess & Niple has met with Gary Kent, Ron Hansell & others for input.

Headquarters - There was discussion on increasing Dianne Bennett's salary. A motion was made and passed to increase her salary by 5% effective July 1, 1996.

Library - A written report was submitted from the committee asking for funds to purchase new books which would be consistent with current needs of practicing surveyors in the society.

Membership - The following membership applications were reviewed and approved: Sustaining Member - Zaenkert Surveying Essentials, Inc.; Junior - Timothy Kiste, Jay Rhodes; Student -

...continued Page 5

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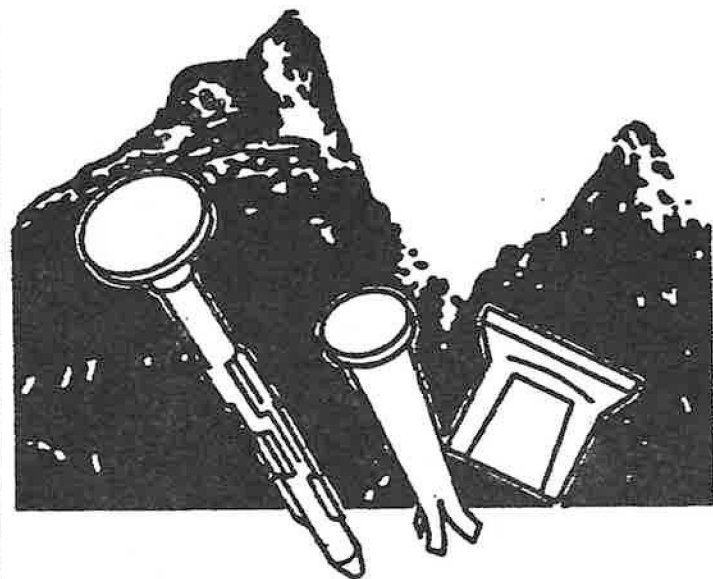
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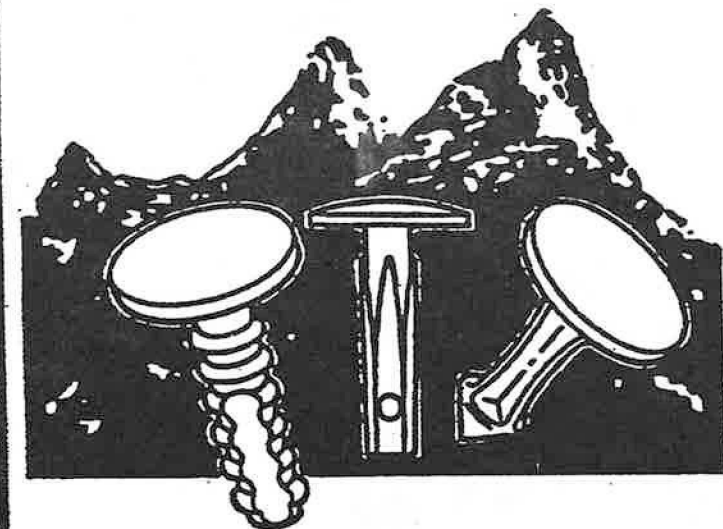
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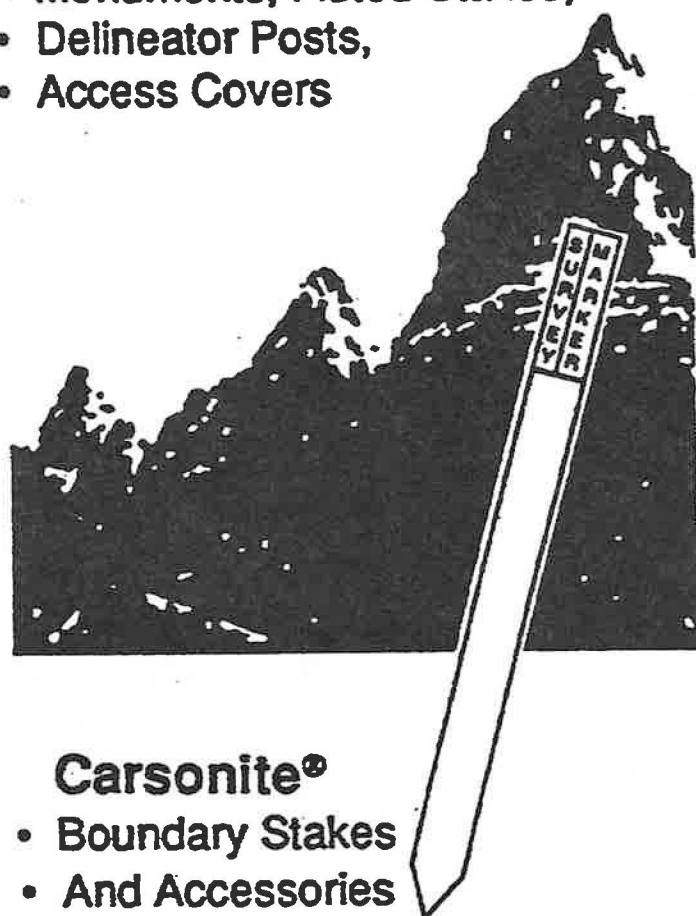
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ISPLS MINUTES

...continued from Page 3

Jayson Thorne.

Member Services - The UWI's Long Distance Member Benefit Program has been set up and the initial announcement letter & flyer introducing the program to the membership will be in the next Hoosier Surveyor.

Membership Roster - The 1996 roster was mailed out on April 10th.

Scholarship - Proposed guidelines and scholarship applications were submitted for review. Michael Kervin was selected to receive the John G. McEntyre Endowment Scholarship. Aaron Blank was selected to receive the CIC-ISPLS Scholarship. The committee will make a recommendation on how and where to award scholarships.

Vincennes University interviews for the Peggy Archer Memorial Endowment will be held at ISPLS headquarters on April 15th.

Indiana State Board of Registration - Met on April 12, 1996. The new board secretary is Diana Sanchez.

Surveyors Historical Society - Will hold a meeting April 13th after the Purdue Banquet.

NSPS Governor - Will meet the 3rd week in April in Baltimore at the conference. E.R. Gray and Rich Hudson will be attending the convention.

GIS/LIS - Has scheduled a meeting April 17th at 8:30 a.m. at ISPLS headquarters.

New Business - Brad Ott addressed the board about ISPLS purchasing some of the equipment at the Purdue University Antique and Obsolete Surveying Instruments Silent Auction.

There was discussion on what the equipment would be used for, how much would be spent and where would the equipment be stored. After much discussion a motion was made and passed that up to \$7,500.00 be used to purchase equipment at the auction and that the equipment be placed in the care of the Public Relations Committee for public display in the best interest of the society and the promotion of the industry.

May 18, 1996

The ISPLS Board of Directors met on Saturday, at ISPLS headquarters. President Hudson called the meeting to order. Guest present were Ron Wharry and Brad Ott. The minutes and treasurer's report were reviewed and approved.

Staff Activity Report - A written report was submitted and reviewed. The report is stated under individual topics listed below.

By-Laws - Corrections, by David Blankenbeker, to the model Chapter By-Laws were discussed. A motion was made and approved to accept the model by-laws with suggested changes.

Chapter Reports - Northwest Chapter had a meeting on May 2nd, G. Lengemann Co. demonstrated Trimble GPS equipment. The Chapter will also sponsor a State Plane Coordinate seminar in July.

Initial Point Chapter will meet within the next week.

No chapter reports were received from Hoosier Hills, Tecumseh, St. Joseph, Central Indiana, Southwest and Northeast Chapters.

Convention - ISPLS will make approximately \$23,339 and C-ISPLS will make \$5,834 profit from the 1996 convention.

The 1997 convention deposit has been sent to the convention

center. Chris Marbach is talking to Melton Denny about being a speaker.

The 1998 Convention will be held at the University Inn, West Lafayette, IN.

Education - The April 19th workshop had 51 registered. The estimated profit is \$1700.

The April 13th Initial Point workshop - EDM Calibration: ISPLS profit \$46.

Finance - The 1996/97 budget was presented. After discussion of the 96-97 budget, a motion was made and passed to accept the 96-97 budget as presented and amended.

Membership - The following membership application was reviewed and approved: Associate - Bruce Carter.

Member Services - UPS returned the contract with changes requested by ISPLS. A motion was made and passed to accept the contract as revised.

Public Relations - Butler Consulting Group Comprehensive Public Relations Proposal was reviewed. A motion was made and passed to accept Module One & Module Two. After further discussion the motion was withdrawn. The Membership committee will be asked to review the proposal and discuss it again at the June 29th board meeting.

Scholarship - The ISPLS Peggy Archer Memorial Scholarship quarterly report was submitted and reviewed.

The scholarship committee is asked to look into the possibility of increasing the scholarship and are to report back to the Board.

Standards - The Standards Committee is currently looking at revisions to the Standards.

County Surveyor - Road School was held in March at Purdue. The County Surveyors Association is still working on getting the H.A.R.N. program setup.

Indiana State Board of Registration - Perry Cloyd represented ISPLS at the board certificate presentation for the new registered land surveyors held Thursday, May 16th at the Government Center, Indianapolis.

Old Business - Michigan/Indiana State Line - Cass County, Michigan has hired Marbach & Brady to locate about 8 miles of the state line. There doesn't appear to be much interest in locating the Indiana/Michigan State line at any other location.

Internet - Chris Marbach explained how the Internet works and how ISPLS can develop it's own web page. A motion was made and passed to spend \$200 to secure the domain name of ISPLS and to solicit the funds necessary to pay for Web Site Option 3B (on file) from the firm members for advertising space.

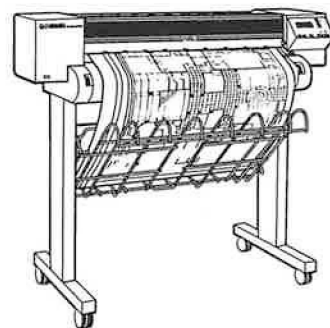
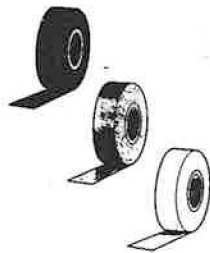
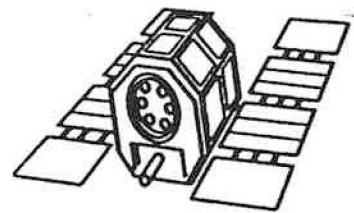
Purdue Auction - A list of the equipment purchased at the Purdue Auction for ISPLS was prepared by Brad Ott. Brad is currently keeping the equipment. He is also looking for places to put the equipment on public display. Dianne Bennett is checking on insurance. A motion was made and passed to set up an Ad Hoc Committee named "ISPLS Survey History Committee" and Brad Ott would serve as the chairman.

The Annual Advisory Committee Meeting with Vincennes University was held at the conclusion of the Board of Directors meeting.



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PURDUE SURVEYING AUCTION SUCCESSFUL

The auction of antique and obsolete surveying instruments held at Purdue University on April 20th was very successful. Over 130 items were available at the silent auction and most of the items were sold. At the conclusion of the auction, and after some spirited bidding on many items, over \$60,000 was raised for the surveying program at Purdue. The money will be put into an University interest-bearing endowment for the support of the surveying laboratories. In this way, instruments which were unused will continue to work for the benefit of Purdue surveying students for many years.

Not all of the program's instruments were offered for sale. Appropriate instruments were retained for teaching and museum exhibit purposes.

The students and faculty of the surveying program would like to thank all those individuals who participated in the auction.



Some of many instruments on display at the Purdue silent auction.

HOOSIER HILLS WORKSHOP AUGUST 30, 1996

The Hoosier Hills Chapter of ISPLS presents a one day seminar on "Boundary Law" by Ronald Hansell, PE, PLS, Attorney at Law, Friday, August 30, 1996 at Spring Mill State Park, Spencer, Indiana.

For more information contact Chuck Coyle at (812) 372-8444 Ext. 221.

ISPLS WORKSHOP OCTOBER 4, 1996

The Indiana Society of Professional Land Surveyors presents a one day seminar on "Error Analysis and Adjustments" on Friday, October 4, 1996 at the Abe Martin Lodge, Brown County State Park, Nashville, Indiana. If you plan on staying overnight, please make your room reservations before August 22, 1996. Phone Abe Martin Lodge at (812) 988-4418. Be sure to mention that you are attending the Indiana Society of Professional Land Surveyors seminar.

Look for additional details in the workshop flyer to be mailed later this month.

INITIAL POINT WORKSHOP NOVEMBER 8, 1996

The Initial Point Chapter of ISPLS presents a one day seminar on "Route Surveys in Indiana" by Gary Kent, PLS, Friday, November 8, 1996 at the Indiana University Southeast (IUS), New Albany, Indiana, Knobview Hall, Room 230. Continental breakfast, lunch and breaks provided. Parking provided (parking tags will be given to registrants)

INITIAL POINT CHAPTER RECOGNIZES PAST SURVEYORS

by David J. Ruckman, P.L.S., New Albany, Indiana

The Initial Point Chapter at its May 29, 1996 meeting, honored three land surveyors from Southern Indiana with its highest recognition. The meeting was held at the Covered Bridge Golf Course in Clark County and was well attended. The honorees were: Charles E. Condra, L.S., P.E., Chester F. Stemler, L.S., and Rollyn H. Blankenkemper, L.S.

The words on their certificates describe the highest quality of dedication to our profession. It states: "In honor of his maps, a gift to posterity, his devotion to excellence in the establishment of true boundaries and his dedication to true monuments. These three fathers have commanded our respect and it is time that we recognize these surveyors and others like them for their contributions to our present society".

In attendance to receive Charles Condra's certificate was his widow, Martha and daughter-in-law. When presented with his certificate Mrs. Condra smiled and stated "thank you for my Charlie". To receive Chester Stemler's certificate was his son and his son's wife who asked that Chester's certificate be dedicated to Clark County and be displayed at the Courthouse. David Blankenkemper agreed to carry out their wishes.

To receive Rollyn Blankenkemper's certificate was his widow Bettie Blankenkemper, who, with great poise, thanked us all; along with Rollyn's son David, and his wife.

This honor had been bestowed on only one individual previously, that being the honorable Nelson Prall, L.S., P.E., Atty., whose contributions continue today through his activities with our

Chapter. The certificate goes on to say that, "we the surveyors who follow his footsteps do hereby bestow the title of Long Knife of the Initial Point". The certificates were signed by 12 registered land surveyors and 3 land surveyors in training. Also distributed during the meeting were reduced copies on parchment of the individual certificates. The reduced copies were quite popular as they can be framed and hung in the local surveying offices to remind all of us of what it means to be a professional surveyor.

The Long Knife award and its meaning is deeply rooted in the history of our nation. Were it not for men such as these, and others, who far too often go unremembered, we would not have the great society we have today. No society can long exist without honor, so it is appropriate that we, the modern laser surveyors remember those who toiled so diligently with their now ancient tools.

The Long Knife award stems from the name of the Western Army of George Rogers Clark and the Continental Congress. Clark and his men were known as Long Knives to the Native Americans. These Long Knives wore swords which of course had many uses from clearing new trails to battling the oppressors of the American people.

Clark and his Long Knives were dedicated to our fledgling country and it is because of this type of dedication that we honor those who came before us and laid down many paths for us to follow.

Far too often we find ourselves taking those who came before us for granted, but today at this meeting of the Initial Point we give these men their just recognition that we are indeed pleased to follow in their footsteps.



David Ruckman presenting the Long Knife award to Charles Condra's widow Martha and her daughter-in-law, Anna Condra.



David Ruckman presenting the Long Knife award to Rollyn Blankenkemper's widow Bettie Blankenkemper.



David Ruckman presenting the Long Knife award to Chester Stemler's son, William L. Stemler.

BUSINESS SUCCESSION PLANNING

Every family-owned business should have a succession plan to provide a smooth transition of ownership upon the owner's death or retirement. Each plan will be different, depending on the owner's wishes and the particular circumstances of the business. Here are some of the planning techniques you may want to consider.

A *buy-sell agreement* provides for family members, partners, or the business itself to buy back the owner's shares upon certain specified events such as death, disability, or retirement. The agreement specifies the details of the sale and usually includes a pricing formula. Purchase of the stock is often funded by life insurance policies owned by the company or family members. Advantages are that the transfer of ownership is spelled out in advance, shares are kept out of the hands of competitors, and proceeds from the sale of the shares can be used to offset estate taxes.

Gifting shares or partnership interest to family members can be an effective way to transfer ownership of the business over time. The law allows an annual tax-free transfer of \$10,000 to each recipient. As an added advantage, the IRS allows you to discount the shares below their appraised value if they are a "minority interest" which does not control the business.

Employee stock ownership plans (ESOPs) offer a tax-advantaged way to sell your business if you have no family successors. Special tax rules allow you to sell the company to your employees via an ESOP and invest the proceeds in stocks and bonds meeting certain tests without being taxed on the gain. Employee-run businesses have had mixed success, however, so you should consider factors other than just the tax benefits.

These are just a few of the many planning techniques available to closely held businesses.

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ELECTRONIC MAILING LIST FOR SURVEYORS

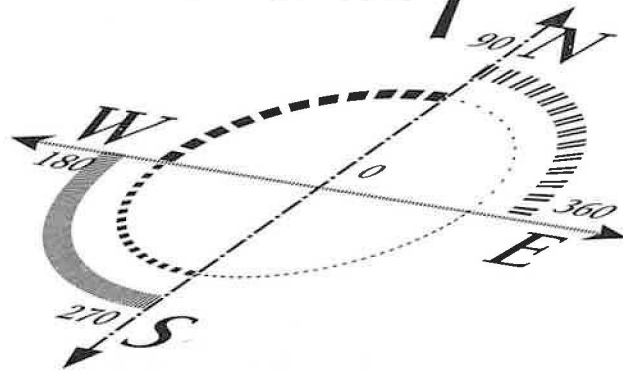
Professor Daavid Wahlstrom of Houston Texas announced May 6th that he has initiated an automated electronic mailing list for use by surveyors and those interested in surveying. Interested parties with access to electronic mail (eMail) throughout the world have free access to this service.

To subscribe to the service, simply send an eMail message to Majordomo@smultron.com with **subscribe surveying** in the body of the message.

Subscribers receive a general information message within minutes of subscribing. Mailing list participants are able to exchange ideas with other participants by simply sending an eMail message to the group. Messages are also archived on a monthly basis.

For further information, contact Professor Wahlstrom at david@smultron.com.

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STATE BOARD OF REGISTRATION FOR LAND SURVEYORS MEETINGS

At the April 12th Land Surveyors Registration Board meeting, one disciplinary hearing was held regarding a negotiated settlement for "Rule 12" violations. The settlement was affirmed by the board. The respondent was placed on indefinite probation with the right to petition the board for withdrawal of probation on or after August 1, 1996.

During the May, June, and July board meetings, the board reviewed applications from potential candidates for the November examinations, approved the report of exam results from the April examinations, granted several petitions for review in the matter of application denials and/or examination grading.

Regarding disciplinary hearings: one request for withdrawal from suspension was denied, one was approved, one on probation was modified, one registrant was issued a letter of reprimand affirming the recommendation from a settlement hearing with the state attorney general's office, and one had his license to practice land surveying in Indiana suspended indefinitely until certain deficiencies are remedied. All of these disciplinary hearings were based on violations of "Board Rule 12" which involves "minimum standards for competent practice of land surveying" which has been in effect since 1988.

Indiana Professional Licensing Agency
Indiana Government Center South
302 W. Washington Street, Room E034
Indianapolis, Indiana 46204
Diana Sanchez, Secretary, (317) 232-2531

VINCENNES UNIVERSITY SURVEYING TECHNOLOGY PROVIDING QUALITY SURVEYING TECHNICIANS FOR 20 YEARS

by William Clark, P.L.S., Vincennes, Indiana

"Your mommy doesn't work here. You put it back where it belongs!" That's the sign that greets Vincennes University students as they check out equipment to complete a field lab.

For VU students majoring in Surveying Technology, the sign is a simple reminder that they are entering a career field where meticulous attention to detail, teamwork and pride in performance are critical to their success as well as their company's success.

Professor Art Haase left a faculty position at the University of Evansville in 1975 to start the VU program. He foresaw the potential growth of Land Surveying and the future need for surveying technicians to assist in that growth. With its rich history as Indiana's oldest college and one of the first two-year colleges in the nation, VU was an ideal setting to initiate the Surveying Technology Program.

A state-supported college, VU enrolls about 6,000 students on its 100-acre southern Indiana campus, which includes six residence halls and some of the state's most modern educational facilities. The VU campus also includes the stately mansion of its founder, William Henry Harrison, the 9th President of the United States. Students come from all 92 Indiana counties, 27 states and 33 foreign countries because of the successful reputation of its graduates.

At VU, Art Haase developed a program that would meet the need for surveying technicians who were skilled in the constantly changing technology in the field. The goal was to develop a skilled pool of employees who would be profitable for employers beginning day one on the job.

During the first year in the VU program, faculty stay with the students and observe their every move, making sure they attend classes and perform at a work level that companies demand. The core classes for the first year include Surveying Fundamentals, Land Survey Systems, Surveying Computations and Layout Techniques, Mapping and Drafting, and Basic PC/CAD Systems.

After completion of the first year, the students are familiar with boundary surveying, construction staking, route surveys, calculation for earth volumetrics, drafting of plats, plans and profiles, site plans, and AutoCAD. First year students also benefit from summer employment at the Indiana Division of Water, Indiana Department of Transportation, and private survey companies, where salaries range from \$6.00-\$9.00/hour for summer employment.

Second year majors are given responsibility for completing projects with minimal supervision. Most projects involve work

time outside of the designated lab hours. All of the work must meet the minimum standards of practice for Indiana. Lab projects include community projects that reflect realistic surveying jobs.

The core classes for second year students include Boundary Surveying and Legal Aspects, Subdivision Design and Layout, Control Surveying, Surveying Applications Using AutoCAD and Related Software, Applied Field Surveying, and Survey Data Acquisition and Analysis.

The majority of graduates enter the workforce at an instrument person level, with a similar number starting as rodmen or crew chiefs. Salaries range from \$11.50 to \$13.50 per hour. VU graduates receive multiple job offers, averaging three offers per graduate, with placement handled within the department.

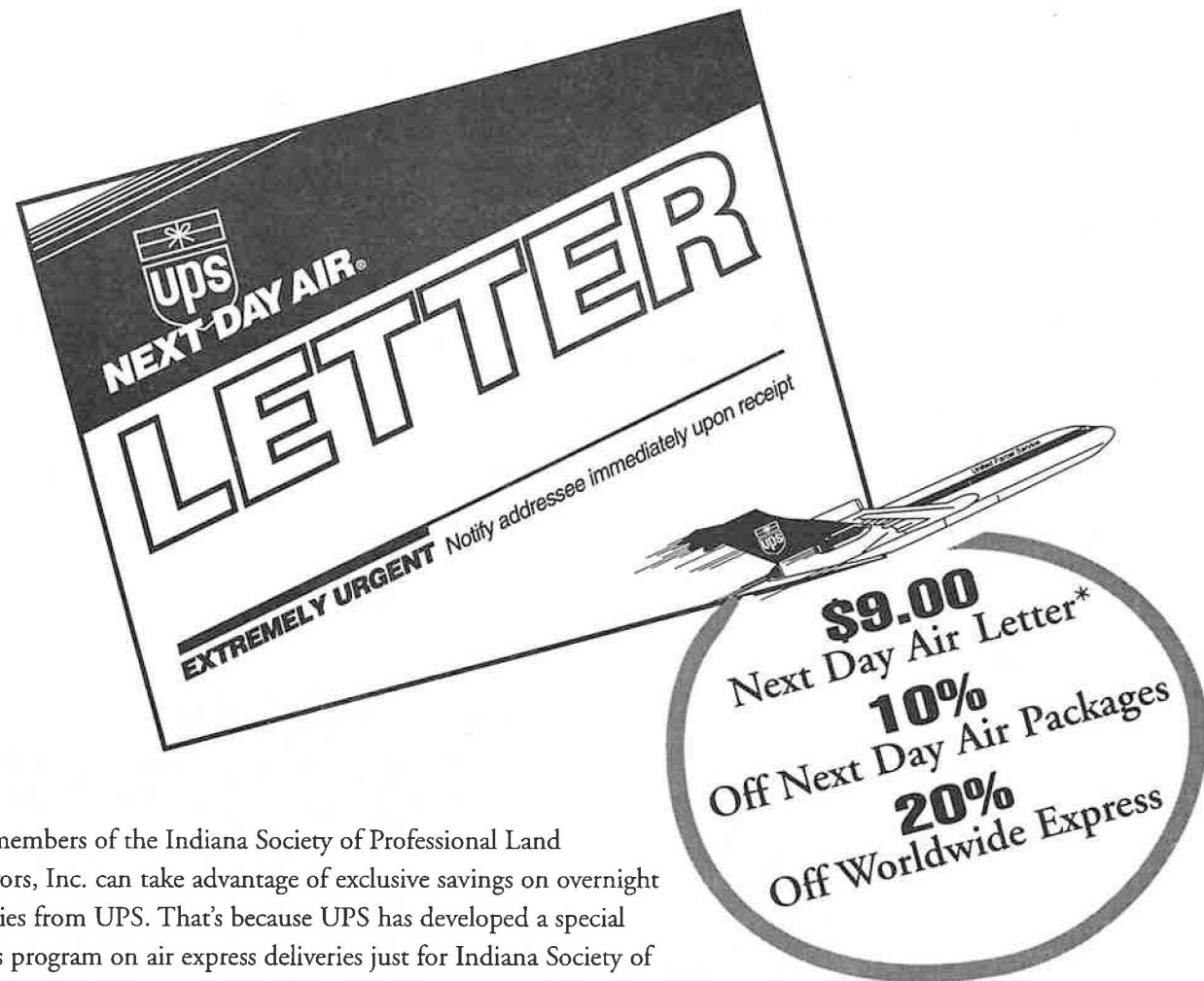
V.U. students have benefited from the relationship the program has enjoyed with the Indiana Society of Professional Land Surveyors. For 20 years, VU's second year students have attended the Annual ISPLS State Convention, gaining valuable employer and industry contacts. The students fund the trip with fund raisers and annual gifts from valued supporters and alumni. ISPLS also acts as an advisory committee for the VU program and provides \$3,000 per year in scholarships for VU students.



William Henry Harrison's mansion (right) is a frequent target for VU student surveying training.

The curriculum in the VU program was carefully and meticulously designed...continued Page 13

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V.U.
continued from Page 11

ously developed after considering the present and future needs in the field. Students studying Surveying Technology at VU are educated in the "how" and more importantly the "why". Questions, such as--why do you set ppm?, what is a prism offset?, how do you calculate a theoretical uncertainty?, when does an instrument need calibrating?, and is it an adjustment that can be made?--are constantly echoed throughout the program. The variety of jobs and job situations that a field crew are exposed to demands that they understand the reasons behind gathering field data.

The VU Surveying Technology program has grown consistently through the years. There are 17 graduates in this year's class with 20 student preparing for their second year. Projections for next year indicate there will be 35 entering freshman.

The department's Equipment Room features the latest in total station technology as well as transits and dumpy levels. Instruction begins with "throw" chains, transits and dumpy levels and advances to the newest technology available. Programs, such as Topcon's Educational Assistance Grant, provide VU with \$65,000 in instrumentation each year.

The program has 39 credit hours of surveying and computer classes with 1,125 hours of field labs which are project-based. Such a "hand-on" approach to the curriculum ensures that graduates know how to perform in the field. Instruction in the program goes far beyond classroom lectures.

The VU program has been selected to administer the ACSM/NSPS Technician Certification Program. At the end of the first



Students at Vincennes use a variety of modern equipment.

year, students will be taking the exam for Level One and at the end of the second year, Level Two. This is an excellent example of how the surveying professional governing organizations and education can work together to assure that there will continue to be quality surveying technicians in the future.

The mission of the Surveying Technology Department at VU is to instill in its students and graduates "the passion to be successful in the profession of surveying, to be part of a team that gets the job done with the highest quality possible and with the most efficient methods available".

This mission serves the best interests of students, graduates, employers and society. The success of VU's graduates indicates that VU's Surveying Technology Department is fulfilling its mission.

The VU Surveying Technology Program not only provides the surveying industry with qualified technicians, it also provides an education to individuals which will enable them to pursue their own personal goals. Sometimes these goals appear to change with age and subsequent maturity, therefore, VU provides an education which complements most potential goals, including registration.

This mission also serves VU's constituents in the state of Indiana--the taxpayer. By providing well-paid, employable graduates, VU provides a continuing tax base, an important component of the financial circle between education and the state.

For more information about the Vincennes University Surveying Technology Program call Professor Art Haase at (812) 888-4185.

William Clark, P.L.S., is assistant professor of Surveying Technology at Vincennes University, 1002 N. First Street, Vincennes, Indiana 47591.

Editors Note: David Pruett, John Whiteside and Tim Kiste, all three Vincennes University graduates visited Vincennes to demonstrate GPS equipment to the surveying students.

WELCOME NEW ISPLS MEMBERS

as of May 18, 1996

Bruce A. Carter - Shirley, IN - Associate
Zaenkert Surveying Essentials, Inc. - Okeana, OH

as of June 29, 1996

Dennis N. Helms - Montgomery, IN - Junior (New SIT)
Glenn H. Kracht - Crown Point, IN - Member Reinstate
James L. Milligan - Monticello, IN - Life
Marc H. Norrod - Franklin, IN - Student
Kenneth D. Smith - Lafayette, IN - Student to Junior

PURDUE SENIOR RECOGNITION BANQUET

The Purdue Senior Recognition Banquet was held on Saturday afternoon, April 13th, in West Lafayette. Each year the students, faculty, alumni, and friends of the surveying program gather to honor the graduating seniors and review the year's activities and student accomplishments. This year the banquet was held at The Trails, and Mr. Gregory Asher, Regional Boundary Manager from the USDA Forest Service in Milwaukee, Wisconsin, was the featured speaker. Greg is a 1975 graduate of the surveying program. He reviewed his surveying career and discussed his recent experience with GPS surveying. A couple of members of the Indiana Surveyors Historical Society attended in period costume.

The 1996 graduates of the Land Surveying Engineering program were introduced. They are:
 Michael A. Athan, Bluffton, IN
 Timothy A. Beyer, Cincinnati, OH
 Katherine A. Dennig, Coon Rapids, MN
 Timothy D. Higbie, Brownsburg, IN
 James C. Kapustiak, Wilmette, IL
 Bradley P. Ott, Franklin, IN
 Brian W. Jacquay, Churubusco, IN

Jeffrey J. Franciski, Munster, IN
 The following awards were also presented to LSE students during the banquet program:

- Outstanding Senior
 Timothy A. Beyer
- Surveying Faculty Recognition Award
 Bradley P. Ott
- John G. McEntyre Endowment Scholarship
 Michael S. Kervin
- Central Indiana Chapter (ISPLS) Scholarship
 Aaron W. Blank
- Initial Point Chapter (ISPLS) Blankenkemper Scholarship
 Jason M. Copperwaite
- Jud and Betty Rouch Land Surveying Scholarship
 Thomas P. Riley
- Roland S. Corning II Memorial Graduate Fellowship
 James A. Elithorp

Earlier in the school year Katherine A. Dennig was awarded the Minnesota Land Surveyors Foundation Scholarship.

The students wish to thank all those who supported their program this year, including activities such as ACSM-ISPLS Chapter meetings, the banquet, and student representation at the ISPLS Convention, and the ACSM Annual Meeting in Baltimore.



Timothy A. Beyer, 1996 outstanding graduating senior in the LSE degree program.




Scholarship winners: (L to R) Michael S. Kervin, McEntyre Scholarship; Aaron W. Blank, Central Indiana Chapter Scholarship; Jason M. Copperwaite, Blankenkemper Scholarship.



1996 Graduates in LSE. (L to R) Timothy A. Beyer, Katherine A. Dennig, James C. Kapustiak, Timothy D. Higbie, Bradley P. Ott.

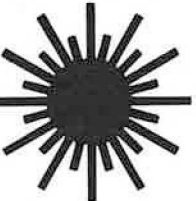


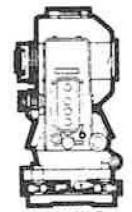
Gregory W. Asher (BSLS '75) was the banquet speaker.




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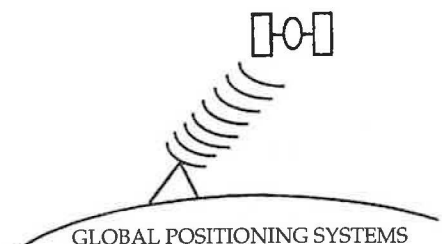





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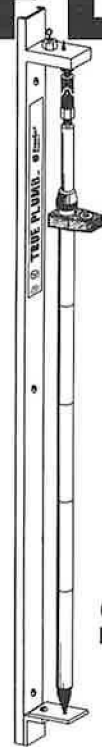


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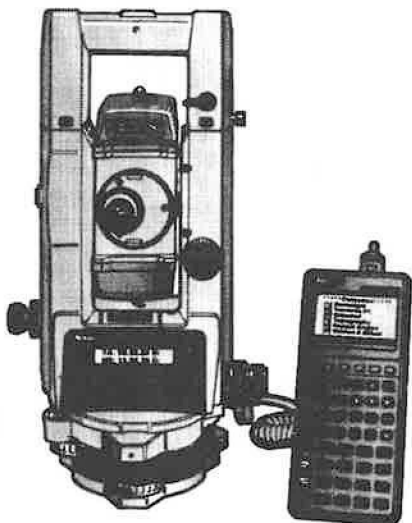
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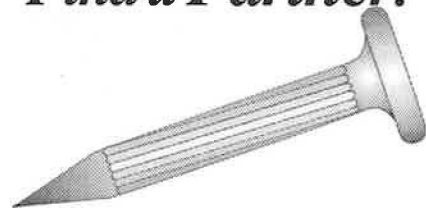


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NSPS GOVERNOR'S REPORT

by E.R. Gray, III, P.L.S. Columbus, Indiana

The 1996 Spring ASPRS/ACSM Annual Convention and Exhibition was held in Baltimore, Maryland. Sponsoring associations included the American Congress on Surveying and Mapping (ACSM) and the American Society for Photogrammetry and Remote Sensing (ASPRS).

The fall GIS/LIS Convention will be in Denver, Colorado, beginning November 16.

There were a variety of workshops and technical sessions offered by ASPRS and ACSM, as well as some technical sessions and workshops offered by the Resource Technology Institute. During the weekend prior to the opening of the Conference, ASPRS and ACSM offered 33 workshops. These workshops were designed to help meet the education requirements for the various types of registration necessary in our profession. Almost half of the states now require some form of continuing professional development education. The exhibit hall was brimming with over 114 vendors displaying their products and services.

As the Indiana NSPS Governor, I also serve as the delegate to the Great Lake Regional Council (GLRC). The GLRC has 10 member states, including Illinois, Indiana, Iowa, Michigan, Minnesota, North Dakota, Pennsylvania, Ohio, South Dakota and Wisconsin. The Council meets in the Spring and Fall at the ACSM/NSPS Conventions.

The business meetings I attended include: Great Lakes Regional Council, NSPS Board of Governors, Surveyors Historical Society Meeting, NSPS Board of Directors Meeting, and the ACSM Board of Direction Meeting.

HISTORICAL TIDBIT

"Americas most legendary sports figure was born into modest circumstances on February 6, 1895 near Baltimore's Downtown. George Herman 'Babe' Ruth was delivered in the second floor, front room of his grandparents 12 foot wide rowhouse at 216 Emory Street. His father operated a saloon where right field in Oriole Park at Camden Yards now stands. By age 7, Ruth was beyond parental control, earning a stay at the St. Mary's Industrial School. Ruth was a baseball prodigy, turning professional in his teens. Teammates called him 'Babey' which was soon shortened to the famous 'Babe'. A pitcher for the minor league Orioles in 1914, he was sold that summer to the Boston Red Sox where his immortal big league exploits began. Today, the Babe Ruth Birthplace/ Orioles Museum occupies the birth site."

REPORT FROM THE CANADIAN COUNCIL OF LAND SURVEYORS (CCLS)

The Professional Land Surveyors of Canada are regulated by "Self Rule." The Land Surveyors Association of Canada govern the surveying profession in accordance to statute. The Association files on such issues as educational requirements, continuing education, university accreditation, and discipline. Surveying

firms in Canada are required to carry professional liability insurance

SELF RULE

Joe R. Zylstza, NSPS Governor from Colorado, presented the following motion to the Board of Governors: "The NSPS Board of Governors form a committee to exchange information and ideas with state affiliates and professional societies regarding "self-regulation" with the following specific goals:

- Establish an information network.
- Develop a scenario for implementation by state societies.
- Determine the pros and cons of self-rule.
- Request a written report by the date of the NSPS Board of Governors meeting scheduled in Denver.

The motion passed, Joe will chair the committee. Others who offered their assistance were Wayne Brubacher, Canadian Council of Land Surveyors; Thomas Berns, Illinois Professional Land Surveyors Association; Marlow McGowan, Minnesota Society of Professional Surveyors; Robert Prescott, Chairman of BOG from New York State Association of Professional Land Surveyors; and Rita Lumos, Nevada Association of Land Surveyors and National Council of Examiners for Engineering and Surveying representative.

PENN STATE NEW/FIRST PENN STATE LS GRADS

Graduation day at Penn State, Wilkes-Barre Campus finally arrived. This day had been long awaited and strived for by the first group of students to complete the new Bachelor of Science in Surveying degree. These students will be the first of many from Penn State that will take an active roll in the shaping of the future of our profession.

The former Survey General of the United States, Chief of Cadastral Surveys, BLM, Mr. Bernard Hostrop, was invited to provide all in attendance with some insight on the future and how these new graduates of the surveying field will become a part of that future. Representing the survey profession, his presentation pointed out that surveying has always been at the lead on the path to expansion, development and growth, and that surveying not only represents a glorious past, but offers an exciting future as well. Those entering the profession today are met with expanding opportunities and challenges.

Eight students graduated from the survey program that day, four with Bachelor's Degrees and four with Associates Degrees.

NSPS BI-ANNUAL BARBECUE

Jud Rouch, barbecue coordinator, reported that the 1997 semi-annual Barbecue Cook-off is tentatively scheduled in conjunction with the North American Surveying Teachers Conference. New Mexico State University is hosting the teachers conference some-

.....Continued Page 19



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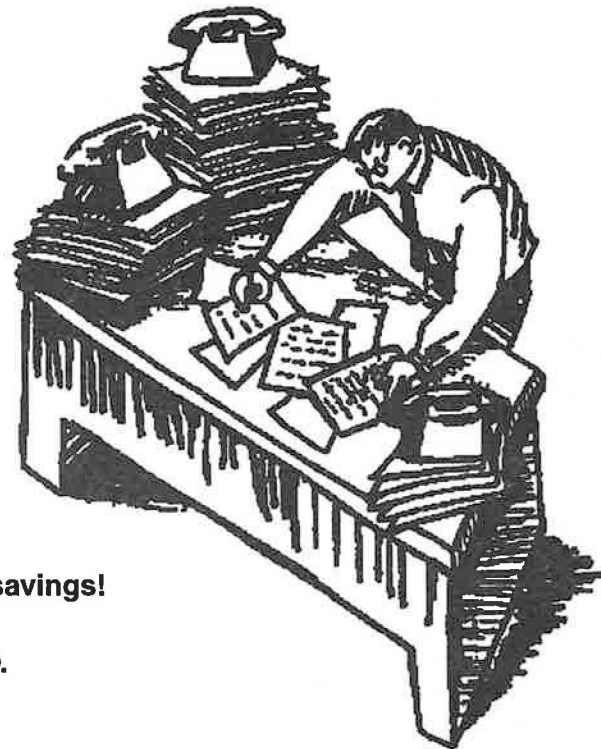
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GOVERNOR'S REPORT

Continued from Page 17

time in June 1997 somewhere in southern or southeastern New Mexico. Further details will be ironed out this summer. Attendees of the teachers conference are expected to bolster participation in the barbecue. A seminar for practicing surveyors may also be scheduled at the same time.

State affiliates and chapters are urged to enter the contest. The entry fee is forty pounds of barbecued meat. The judging will be on beef brisket. Contact Jud Rouch at 1-501-565-0630 for details.

ALTA/ACSM LAND TITLE SURVEYS

Mary C. Feindt, Chair of the ALTA Liaison Committee, reported on the ALTA committee that met April 15, 1996, in Washington D.C.. The members felt there was a need to revise the standards once more, and asked if there could be a joint committee from each association to meet at the ALTA office in Washington D.C. this summer.

Besides two or three persons from ALTA, they would like to ask one or two members from HUD to be present. Additionally two attorneys from Lenders Counsel have expressed an interest because of their involvement with the 1992 revision of the standards. Many title folks are becoming interested in orthophotography and having the descriptions of the various parcels digitized to be used in conjunction therewith. Having learned about the increased accuracy in surveying, they are speculating about the various classifications of surveys.

It was recommended that a meeting be held in Washington D.C. sometime during the summer of 1996, but limited to six or eight persons.

NSPS STANDARDS COMMITTEE

Al Frieze, Co-Chairman of the Standards Committee, reported on the first draft of the proposed Global Positioning System Survey Standards, Classification/Land Information/Geographic Information System Surveys and the proposed standard of accuracy for ALTA/ACSM land title surveys. Al can be contacted at 1-800-627-1024 for more information.

CONTINUING EDUCATION CLEARING HOUSE

NSPS approved a motion to enter into an agreement with NSPS and NCEES to provide a Continuing Education Clearing House Program.

NSPS PUBLIC RELATIONS

A motion was approved for NSPS to purchase 4 table top display units to promote NSPS activities at state affiliate meetings.

NSPS FOUNDATION

The National Society of Professional Surveyors Foundation, INC., is a multipurpose, non-profit corporation which provides an avenue to preserve the past and invest in the future of surveying and mapping.

The Foundation was established to provide 100% tax deductible mechanism to attain the following goals for surveyors:

1. To promote education, study and research in the field

- of surveying and diffusion of knowledge thereof.
2. To provide scholarships, awards or other support to qualified students of surveying.
3. To conduct and support educational programs, lectures, forums, or seminars in surveying and related subjects.
4. To cause to be published and to distribute literary works on surveying subjects.
5. To acquire, preserve or exhibit rare books, documents, monuments, and instruments related to surveying and any items of historical interest and significant bearing on the development and profession of land surveying.
6. To receive contributions, gifts, and bequests of property, both real and personal for the general or special purposes of the Foundation.

Over the years, surveyors have demonstrated with pride a desire to support the preservation and development of the surveying profession both on the state and national levels. The NSPS Foundation needs your help and guidance now to perpetuate the profession nationally.

Arizona, Alabama and Tennessee are currently affiliate "life members," contributing \$5,000.00 over a period of 5 years to the NSPS Foundation.

For more information contact Charles Tapley, Chairman of NSPS Foundation, Board of Trustees, 5410 Grosvenor Lane, Bethesda, MD 20814.

ASPRS WITHDRAWS FROM JOINT CONVENTION AGREEMENT

ASPRS has provided notice to ACSM that they will not be co-sponsoring future conventions with ACSM. They do, however, desire to jointly sponsor the FIG Conference in 2002.

NSPS INC., RESOLUTION ON SURVEY AFFIDAVITS

The following is a part of the resolution adopted by NSPS as a statement of their stand on Surveyor Location Reports/Mortgage Surveys: "Be it further resolved that this organization is on record as strongly condemning and resisting the practice of eliciting affidavits from sellers of property as to matters of survey...and the practice of distributing and using altered or outdated survey map/plat for transactions other than for which they were prepared."

Thank you for the opportunity to serve as your NSPS Governor. Please contact me at 1-812-379-1525 if you have any questions or comments.

Editors Note: Professor Jim Reilly of New Mexico State University will host the 16th North American Surveying Teachers Conference on June 9-12, 1997 in Las Cruces, New Mexico.

OSHA: A NEW ATTITUDE?

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

Many citizens look at the government bureaucracy as inflexible, intolerant, and simply; "it's business as usual". So is it business as usual, or are real changes being made? Last May President Clinton made a commitment to cut 1,000 pages from the OSHA Regulations. This has now started with about a 200 page reduction. I haven't seen exactly what was changed, but my early reports are that there were no regulation changes, just a reduction of duplications and references. At least that's 200 less pages to look through. Over the next few months we'll see if the other 800 pages disappear.

What are some other changes in OSHA? For the most part, they are just procedures that I have been suggesting to my customers since the start of our consulting business. A good, common sense approach to dealing with OSHA, and safety in general. There is an effort though, to reduce what some have considered part of the ridiculous fines. Let's look at some of the "re-invention" procedures or items that are being pushed.

OSHA has been known to say "we're just here to help you", but could that be a reality now? Only in certain situations. OSHA is now saying that if you follow specified criteria for workplace safety they may tend to perform limited inspections and give out reduced penalties. There are some basic items you would have to accomplish to reach this level:

- Establish an effective health and safety program
- Effective employee participation in safety matters
- Train employees and supervisors
- A firm commitment by management to the safety effort
- Identification of hazards
- Timely abatement of hazards
- A reduction of employee injuries.

What happens if you make an honest effort on the above items? Well, for one you should see a reduction in your injury rate. If OSHA does come for a visit they have indicated that your inspection could be of a limited nature and resulting fines of a reduced amount. Simply, if you make the effort...OSHA will cut a little slack. Will this happen? I have talked to many businesses over the past two or three years who already have seen this happen. Even though this is listed as a new item, I believe that it has been happening for awhile. Don't get me wrong, I am sure there are still many abuses and some of you may have fallen victim, but I do think this is a definite trend. Remember, it can't be just a limited effort, you must have an effective plan along with the above listed items.

What about reduction of any penalties? If you get a citation, and have accomplished the above listed criteria...you can now get a 15% to as much as 80% reduction on the citation amount off the top! The previous maximum amount was 30%. This is known as a "good faith reduction". Keep in mind this applies to companies with overall employment of 250 employees or less (small business). There have also been some changes in penalties for non-serious violations. If you have no repeat, willful, failure to abate, high

gravity, or certain serious recordkeeping citations, OSHA will not give a dollar citation to non-serious items. They are even experimenting in some areas with not giving citations for failure to post the OSHA notice. The compliance officer carries the notice with him and waives the citation if the business immediately posts the notice. This will not happen if the business has been cited for the same item on a previous inspection. No indication if this experiment will be expanded to Indiana.

OSHA has a mandate to follow up on all employee complaints. With the number of complaints that have been phoned into OSHA offices this task is becoming difficult. A new procedure for OSHA is to immediately telephone the business and address the complaint. They will then follow up by fax or mail. You only have 5 days to respond with this procedure. If you don't respond in 5 days there will be an automatic inspection. If you respond that the problem is either non-existent or has been corrected, OSHA will ask you to follow up in writing. If the employee agrees, the case will be filed and no inspection will occur. If the employee still states the problem exists, an inspection will follow. Keep in mind if you haven't properly corrected the violation it could and probably will be considered a Willful Violation. This has the potential to become a very high citation and can occur for up to a 3 year period!

So has OSHA changed? Undoubtedly there have been some positive changes, but they have also set some bigger traps. You MUST be pro-active to get in their good grace. If you haven't taken the initiative, the potential exists to be in even more trouble with OSHA than ever before. A report has just been delivered to OSHA head Joseph Dear that recommends increasing penalties for those who don't qualify for the good faith reduction. He has already stated that those who aren't pro-active (and get caught) stand to receive increased scrutiny and more inspections.

To paraphrase an old expression; "Now is the time for all good businesses to come to the aid of their OSHA inspector!"...and hopefully YOUR pocketbook.

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ISPLS Workshop April 19, 1996
Kentucky Hours Approved:
 Deeds and Deed Descriptions 6 P.D.H.

CALENDAR

August 30, 1996
 Hoosier Hills Workshop, "Boundary Law", Speaker Ron Hansell, Spring Mill State Park, Contact: Chuck Coyle 812-372-8444, Ext 27

September 13, 1996
 Indiana State Board of Registration for Land Surveyors meeting

September 21, 1996
 ISPLS Board of Directors meeting

October 4, 1996
 ISPLS Fall Seminar, Abe Martin Lodge, Brown County State Park, Topic: Error Analysis & Adjustments

October 11, 1996
 Indiana State Board of Registration for Land Surveyors meeting

October 19, 1996
 ISPLS Board of Directors meeting

October 26, 1996
 St. Joseph Valley Chapter meeting

November 8, 1996
 Initial Point Workshop, "Route Surveying", Speaker - Gary Kent, Indiana University South East, New Albany

November 16-22, 1996
 ACSM/ASPRS Fall Meeting and GIS/LIS '96, Denver Convention Center, Denver, CO.

November 21-22, 1996
 Indiana State Board of Registration for Land Surveyors meeting. New Land Surveyors Certificate Presentation.

December 7, 1996
 ISPLS Board of Directors meeting

January 15-17, 1997
 ISPLS 45th Annual Conference, South Bend, Indiana

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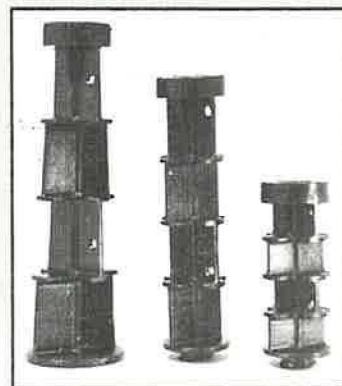
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