

HOOSIER SURVEYOR



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PROFESSIONAL LAND SURVEYORS, INC.

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SPRING 1999



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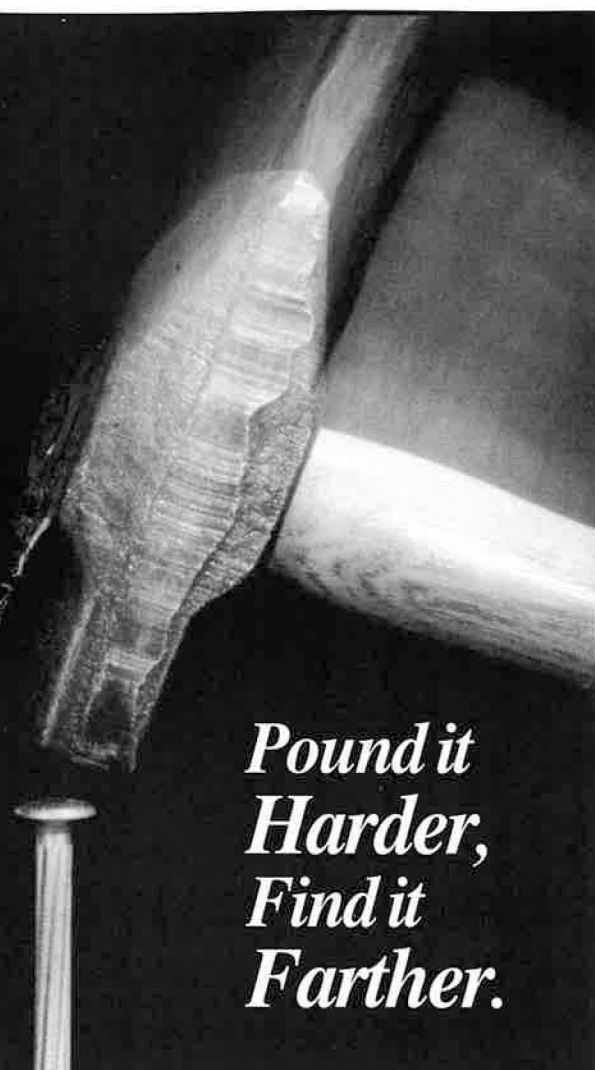


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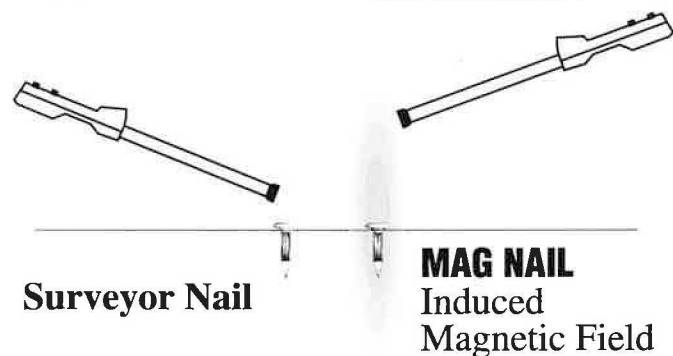
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Articles and columns appearing in this publication do not necessarily reflect the viewpoints of ISPLS or the Hoosier Surveyor staff, but are published as a service to its members, the general public and for the betterment of the surveying profession.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

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PRESIDENT'S THOUGHTS

by Daniel R. Woo, PLS, Indianapolis, IN

Once again it's time to prepare a message to the membership. Many things have happened since my last message and many things are planned in the near future. Most of the work is being done by the



various committees and I wish to take time to inform you of some of the projects accomplished or planned by some of those committees.

Business Management has met this year and completed the 1999/2000 operating budget. The highlight of the budget is

that once again \$25,000.00 has been budgeted for the Grants Committee.

Chapters will continue to schedule the chapter vision and goal planning sessions, to be facilitated by Dr. Speth, with the remaining chapters.

Convention Coordinating and Hoosier Hills is currently planning the 2000 Convention in French Lick.

Education will be planning at least one workshop or seminar for 1999 and will be available to help any chapter, if needed, in conducting any workshop or seminar.

Ethics will be working with Professional Practice in developing a Mentoring Program to work with members who require consultation, advice or improvement in professional skills or judgment.

Government Affairs has been working very hard with the Registration Board to achieve the enactment of mandatory continuing education. It appears that this will be approved by the Registration Board before the end of 1999.

The staff at the Hoosier Surveyor continues to work hard to publish four issues a year. Have you noticed the new appearance?

With a change in membership classifications, the Membership Committee will be developing or selecting new membership certificates.

Nominations will be contacting individuals to run for the Board of Directors and President-Elect. If you are interested in running and haven't been contacted please inform someone on the committee. If you are contacted please respond by running for the office. This is your society and your help is needed.

Public Relations continues to promote the surveying profession and I.S.P.L.S. through press releases to local newspapers and through presentations to schools and civic groups.

Publications will be looking to update several of the I.S.P.L.S. publications. Audio and video tapes on seminars and workshops are being made available at the library.

Scholarship will conduct student interviews and make recommendations for the Purdue University and Vincennes University scholarships.

Standards is working with the Board of Registration regarding revisions to Title 865 and the Land Surveyors Registration Act.

I.S.P.L.S. Grants have evaluated several requests for grants and will be making award recommendations to the Board of Directors in the near future.

This is just a brief description of the activities that some of your committees are involved in. I wish to express my thanks to all the committees for their effort in making our society stronger and for providing the various services needed by the membership.

WHY DO WE HAVE LEAP YEARS AND WHEN WILL THEY OCCUR OR IS THIS ANOTHER Y2K PROBLEM?

One year is equal to approximately 365.24219878 days more or less. Now that sounds like the last line in a metes and bounds description involving a natural boundary.

We all know that leap years occur every four years just like clock work and that those years divisible by four are leap years. That being the case, which of the following years are leap years: 1896, 1900, 1996, and 2000? The answer: 1896, 1996, and 2000. But I thought that we all learned in school that years divisible by four, were leap years. So, why not 1900? It is divisible by four! Well, read on.

The Egyptians called the year 365 days long but their calendars got out of step with the seasons and after a mere 750 years they were celebrating the First of July in the middle of winter, a little cool for a parade and picnic in Canada.

The Romans got a little wiser and added the leap year every fourth year to get the 365.25 day Julian year. This was much closer to reality but now the year was longer than it should be. This small difference caused the seasons to creep through the calendar once again, only slower and in the opposite direction. However after approximately 23,000 years, the First of July would once again fall in the middle of the winter. Fortunately, we never got that far out of whack. However, by 1582 the calendar was about ten days out of synchronization, so Pope Gregory XIII included the correction that is still in use today. "If the year is divisible by 100, it is not a leap year unless it is also divisible by 400".

So back to our quiz. 1900 is divisible by 100 but not 400 so it is not a leap year whereas 2000 is divisible by both, so it is a leap year.

More recently, other proposals to fix the calendar have come forth and one suggested change is to add on: "If the year is also divisible by 4000, then it is not a leap year".

By Robert Allen, BCLS, CIS

Reprinted from the Wisconsin Professional Surveyor, Issue #177, March 1999

PURDUE LAND SURVEYING GRADUATE TOP LAND SURVEYOR IN U.S.D.A. FOREST SERVICE

Gregory Asher, a native Hoosier from Attica, Indiana, about 30 miles southwest of Lafayette, graduated from Purdue University's four-year program in land surveying in 1975. He has been employed by the U.S.D.A. Forest Service since graduation and has worked for 24 years as a federal land surveyor. He is currently Chief Land Surveyor for the U.S.F.S. headquartered in Washington D.C. He, his wife, and four children currently live in Fredericksburg, VA. He recently was the keynote speaker at the 27th Annual Student Recognition Banquet hosted by the Purdue Student Chapter ACSM/ISPLS.

Greg has worked as a Forest Land Surveyor on National Forests located in Indiana, Ohio, Michigan, and Wyoming. Primary duties were retracement of the original GLO land surveys and assisting in retracement surveys in several other adjoining states. In recent years this included the use of GPS for making and controlling cadastral land surveys, as well as connecting land surveys to the National Geodetic Reference Network. He is qualified as a B.L.M. Cadastral Surveyor, and under the direction of the Bureau of Land Management, has performed several federal land survey authority dependent retracement surveys on public domain lands in the west. He has worked cooperatively with several other federal agencies assisting in land surveys to deter-

mine the extent and location of the public lands. This includes experience with the National Geodetic Survey in survey mark recovery and maintenance operations, and the design and collection of GPS data and control point densification for the High Accuracy Reference Network in Wyoming, Colorado, Nebraska, and South Dakota. He holds professional L.S. registration in Michigan and Wyoming and has testified in federal court as an expert witness in land surveying. He also has extensive experience with contracting federal land surveys to private sector land surveying and engineering companies.

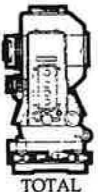
As the lead Land Surveyor in the Forest Service, he provides national program management direction and oversight for the land surveying program, and the survey related trespass and title claim programs. The Forest Service lands total 191.6 million acres and comprises 249,000 miles of boundary lines and over a million property corners. Approximately 108,000 miles have been marked. He also provides professional and technical expertise on land surveying issues to the Forest Service Washington Office, to the U.S. Department of Agriculture, and Congressional staff and Congress as requested.

Indiana land surveyors and Purdue can be very proud of the career accomplishment of Greg Asher!



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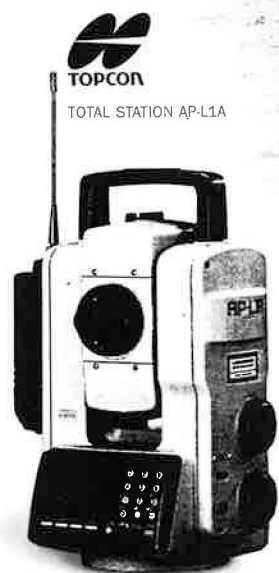
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ISPLS BOARD OF DIRECTORS MEETING HIGHLIGHTS

by Dianne Bennett, Executive Director

January 13, 1999

The ISPLS Board of Directors held a meeting on Wednesday, January 13, 1999 at the Radisson Hotel, Evansville. President Miller called the meeting to order at 1:04 p.m. 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. Dianne reported that we have received invitations from Ohio, Michigan, Illinois, and Kentucky to attend their annual conventions. The following board members will attend as ISPLS representatives: Kentucky - Perry Cloyd; Ohio - Les Weber; Michigan - Dan Woo; and Illinois - Rich Hudson.

Officers Activity Report - The board held a brief discussion concerning the replacement of Jeff Souder, who resigned in December with one year left in his term. A motion was made and passed to appoint John Stephens to fill the unexpired term of Jeff Souder.

Chapters - Central Indian Chapter reported that the 1999 CIC Golf Outing will be October 1, 1999.

Initial Point Chapter reported that the 1999 ISPLS Picnic will be September 11, 1999 at Brown County State Park.

Purdue Student Chapter will have their annual banquet on Saturday, April 10, 1999, with the time and location to be announced later. The chapter is also asking for donations to help them attend the 1999 ACSM conference in Portland, Oregon. A motion was made and passed to donate \$1000 to both Purdue and Vincennes Student Chapters.

Convention 1999 - There were 249 people signed up for full registration, 20 people signed up for one day registration, 32 people signed up for student registration and 24 spouses registered.

Convention 2000 - Doug Herendeen reported that he has a contract for the hotel at French Lick and is ready to sign. A motion was made and passed to authorize signing the contract.

Convention 2001 - Doug reported that a joint convention with Ohio and Kentucky was under consideration, but he had not heard of any firm plans at this time. After a short discussion it was decided that we need to make a firm decision by April of 1999 whether to participate.

Education - Kentucky has approved the ISPLS "Development of the Public Land System" and "Surveying in the Floodplain" workshops for 3 continuing professional development credits each. The ISPLS Spring workshop will be Friday, March 5, 1999 at the Holiday Inn in Lebanon, Indiana. The topic will be "ALTA/ACSM Land Title Surveys" presented by Gary Kent. The 1999 Fall workshop will be held at the Canyon Inn, McCormick's Creek State Park, Spencer, Indiana on October 8, 1999.

Initial Point submitted a final account of the seminar which they hosted on October 30, 1998. They had about 45 people in attendance and Initial Point Chapter made a profit of \$1491.09. ISPLS made a profit of \$372.77.

Tony Gregory and Rich Hudson, co-chair of the committee, sent a letter to the board recommending PDH values for the

seminars to be held at the 1999 convention. As this was discussed by the board it became clear that the times set up for the convention were creating several seminars which were just a few minutes short of the 50 minutes needed for a full PDH. There was also some discussion about the recommendation of 0 PDH's for the review seminars, which were considered as pre-licensure type courses. Rick Miller asked that they review the seminars with the consideration of awarding a half PDH for a 25 minute segment and we would look at this under Old Business.

Ethics - Perry Cloyd reported that the committee had received 14 complaints in 1998, as well as a few complaints in 1999. Nine of the fourteen complaints from 1998 have had some action taken on them. They are still working on the rest, with somewhere between four to seven cases needing to be resolved at this time. Perry reported that he had drafted a letter for Case 98-011, which involved an advertisement by a forester in the Indiana Forestry and Woodland Owners Association Directory in which he offers surveying and mapping services. Rich Hudson reported he had reviewed the letter. Perry also reported that he had drafted a letter to the county surveyor discussed by the board at the last board meeting, but that it had not been mailed yet.

Business Management - Dianne reported that we need to check our office computer to see if they are Y2K compliant. Doug has started looking into this and will be working on it during the next several months. Also he will continue to look into recognition software/hardware to be used to verify attendance at seminars.

Government Affairs - A motion was made and passed to pay the Joint Society Governmental Affairs Committee dues of \$1000.

Rick Miller reported that he had composed a letter to the Landscape Architects association concerning upcoming legislation they are sponsoring to define the scope of their practice. The letter is an acknowledgment of the revisions they have made to the draft of their proposed legislation addressing the concerns which we had and expresses our position that we would not be opposed to the legislation. Rick also submitted the latest draft of their legislation. After a brief discussion the board was in agreement that the letter should be sent.

Hoosier Surveyor - Dianne reported that the deadline for submissions for the next issue will be January 18, 1999.

Membership - The board reviewed nineteen membership applications. Due to the inclement weather, Bob Gross was not in attendance, and the board was not aware if the committee had made recommendations for approval of these candidates. After review by the board, a motion was made and passed to approve the four reinstatements. Member - Mark Landstrom; Junior - Kelly Marley, Travis Norman and Kelly Ferguson. After review by the board a motion was made and passed to approve the eleven applications for membership where the board members either knew the applicant or their references. Member - Rodney Neese, Associate - John Eckart; Junior - John Nagy, Keith Saul, Steven Knies, Dearan Hall, Steven Amos, Rik Sanders, Donald Gries, Chris Boyd; Student - Rodney Kelly. After review by the board a motion was made and passed to

...continued Page 7

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MINUTES

...Continued from Page 5

approve the four remaining applications for membership subject to approval of the applications by the membership committee. Member - Billy Nicholson; Junior - Brock Sears, Scott Holder, and Rick Floyd.

Rick reported that he had received a report from the committee which contained seven recommendations which they feel would help with membership growth and retention. Rick recommended that we table this report and return it to the new committee along with the University of Indianapolis marketing study for further consideration.

Chris Marbach reported that Land Surveyors Online, which had the servers where our web page was located, has decided to cease business and turn the servers off. Chris has found a provider in South Bend whose normal fee was the same at \$60 per month, but would give us a \$170 discount if we paid yearly. Chris has gone ahead and moved the site, putting the charges on his credit card. Our web address will remain the same. A motion was made and passed to move the website to the new provider and to reimburse Chris Marbach \$550 for the one year fee he had paid.

Nominations and Elections - Perry Cloyd, Bill Clark and Tony Gregory have been elected to the board.

Professional Practice - Randy Miller reported that the committee has finalized a standard contract for professional services and has also finalized the outlines of the mentoring program. They intend to make a presentation to the board at its February meeting.

Scholarship - Don Bengel reported that they interviewed 4 students for the 1999-2000 scholarship at Purdue on December 10, 1998. The scholarship will be split between two students. Erin Darlage of Brownstown will receive \$2500 and Darren Norrington of Mitchell will receive \$500. The awards will be announced at the annual banquet.

ISPLS Indiana Survey History - Dianne reported that Brad Ott would have the videotape of the CIC Indiana Survey History seminar at the ISPLS booth in the exhibit hall.

Indiana State Board of Registration - Rick Miller reported that the board of registration is close to adopting a final draft of new minimum education requirements for licensure. He presented the board with a copy of this draft. The current requirements are 12 hours of Math courses, 8 hours of Physical Science courses and 12 hours of Surveying courses. The new requirements will be 12 hours of Math courses which must include 4 hours of Calculus, 12 hours of Physical Science courses which must include 6 hours of Physics, and 27 hours of Surveying courses. The surveying courses must include 18 hours consisting of 3 hours in the following six categories: land survey systems, property surveys, property descriptions, surveying law, surveying calculations including statistics, and subdivision planning and design. The additional 9 hours must consist of three 3 hour courses in the fundamentals of topographic, photogrammetric, route, construction or control surveying. In addition, the applicant must have a four year college degree, although this degree may be in any field. These new requirements are to go in effect January 1, 2003. They will consider this at a public meeting where they will take comments, possibly in April of 1999. After the public meeting, the new requirements need the Governor's approval and then they will be in effect.

Rick also reported that the board of registration is now moving toward implementation of a mandatory continuing education program. The current proposal they are working on includes a 24 hour Continuing Education Hour requirement per two year period, with a minimum course requirement of 1 C.E.H. instead of 3 under the old proposal. The old proposal had one college semester hour worth 45 C.E.H.'s which they are changing to 15 C.E.H.'s. Similarly, one college quarter hour was worth 30 C.E.H.'s in the old proposal and will be cut to 10 C.E.H.'s. The provision for pre-approval course sponsors is out, except for accredited colleges and universities. The board of registration is hoping to have a public hearing on the proposal by mid 1999, with final adoption of the proposal by Fall of 1999. The rule would then become effective starting with the renewal period beginning in August 1, 2000.

Indiana Surveyors Historical Society - The 1999 Surveyor's Rendezvous will be September 24-26, 1999 in Luray Virginia. There will be a meeting of the society Friday morning during the convention.

NSPS Governor - After a short discussion the board approved a mailing to the membership of a fact finding questionnaire on NSPS restructuring.

Old Business - Doug Herendeen reported that the New Jersey video on the role of the Land Surveyor in a GIS is completed and we should receive our master copy soon. The board then returned to the Education Committee's recommendation of PDH's for the convention seminars. After a short discussion, a motion was made and passed to approve 3.5 PDH's for LSIT Review, 1.5 PDH's for Theory of Location, 3.5 PDH's for Surveyor's Issues, 1.5 PDH's for Playing by the Rules, 1.5 PDH's for Old Fences and Property Lines, 1.5 PDH's for Indiana HARN, 3 PDH's for LS Exam Review, 6 PDH's for Hydrology for Surveyor's (entire day session), 3 PDH's for Hydrology (morning sessions), 3 PDH's for Legal Research for Surveyors, 3 PDH's for Astronomic Observations, and 3.5 PDH's for FEMA Issues.

New Business - Frank Ballintyn asked the board to help with a mailing to the membership advertising the ISPLS picnic September 11, 1999. After a short discussion by the board a motion was made and passed to approve money for the mailing.

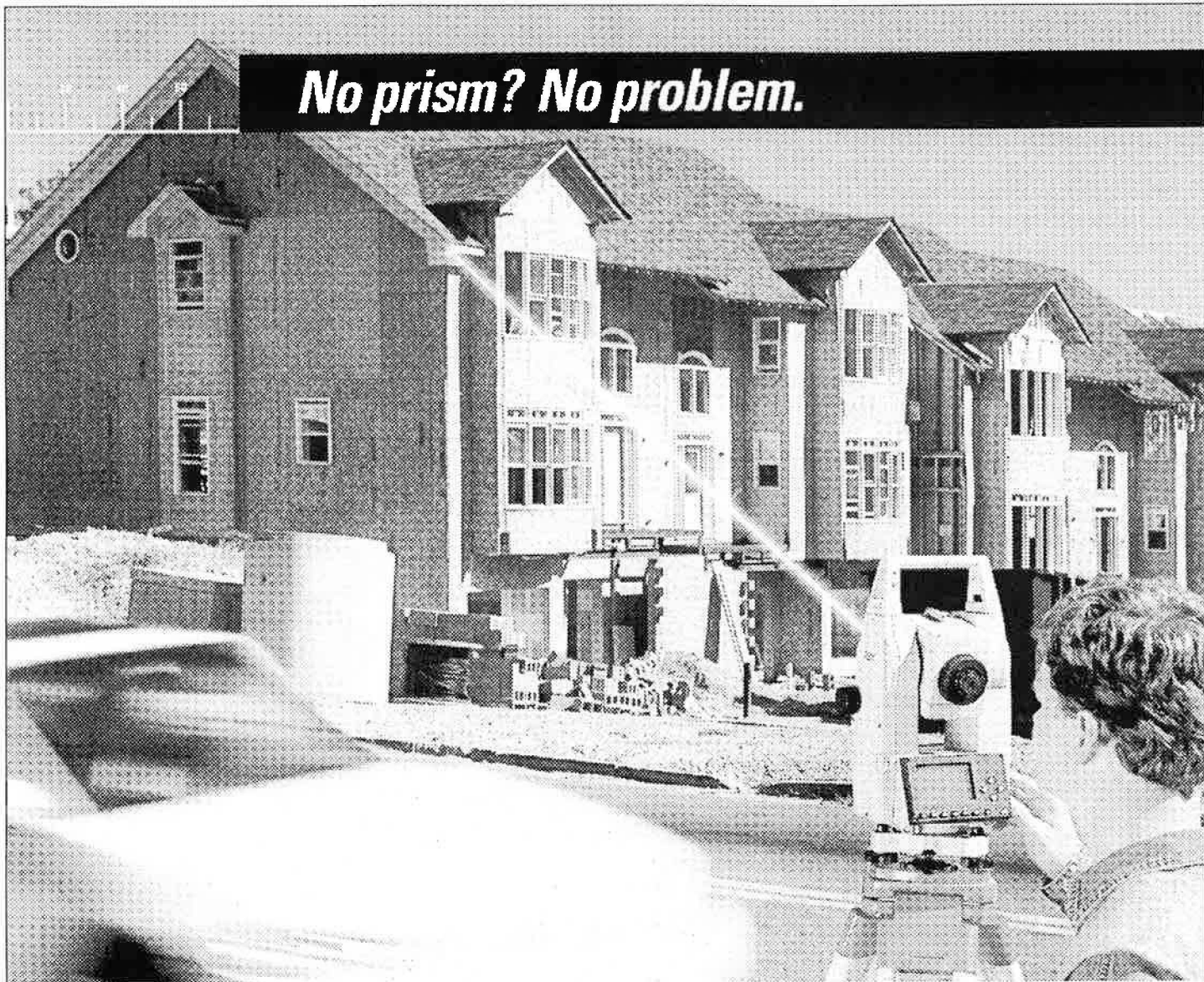
February 27, 1999

The ISPLS Board of Directors held a meeting on Saturday, February 27, 1999 at ISPLS headquarters. President Woo called the meeting to order at 10:04 a.m. The minutes and treasurer's report were reviewed and approved.

Adjustments to the Agenda - Gary Kent addressed the board concerning Senate Bill 32 as well as the financial condition of ACSM. Gary stated that SB 32 actually covered five main issues: (1) the change in language which would reinstate the County Surveyor's authority to design drainage plans, (2) a section which would authorize IDEM to treat sanitary sewer plans designed by surveyors to be processed the same as plans designed by engineers, (3) a change in annexation law which currently states that a boundary survey must be signed by a professional engineer, (4) an increase in the portion of the recordation fee dedicated to the County Surveyor's section corner fund from \$1.00 to \$5.00, and (5) raising the amount of a contract the County Surveyor may accept without certain bidding procedures from \$25,000 to \$75,000. Gary

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reported that the bill has been passed out of the Senate and is now before the House, although not yet assigned to committee there. Gary stated his only concern was that the Governor might not be willing to sign the bill once it has passed due to the large fee increase, and he suggested it might be wise to contact the Governor with the cooperation of the County Surveyor's Association to get an idea of where the Governor might stand. Gary then turned to the current financial condition of ACSM. He reported that ACSM will be in a substantial budget shortfall this year, and possibly for several years to come. He attributes this to a drop in membership and in convention attendance, but not to mismanagement. He mentioned that recently at its state convention Ohio had donated \$4400.00 to ACSM to help them through this. He suggested that if Indiana was also willing to do something similar, it might serve as a challenge to the state association in the remaining 48 states to help out. After a lengthy discussion by the board, a motion was made and passed to donate \$5.00 per ISPLS member as of February 28, 1999 to ACSM with the stipulation that half of the money be used for ACSM Government Affairs and half the money to be used for the NSPS Technician Certification program with the money being taken from the C-80 portion of the ISPLS budget.

Dan Woo then informed the board that ISPLS had received a letter from Steven Johnson and Boudewijn van Gelder of Purdue as Co-chairmen of the 17th North American Surveying/Geomatics Teachers Conference which will be held this year at Purdue on July 10-14, 1999. They are requesting that ISPLS consider helping sponsor this event at the conference. After a short discussion by the board during which it was noted that the Tecumseh Chapter of ISPLS had already donated \$500. A motion was made and passed to donate \$500 to the 17th North American Surveying/Geomatics Teachers Conference with the money taken from C-80 portion of the ISPLS budget.

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

By-Laws - The committee was making revisions to the entire text of the by-laws to implement the revisions made to membership categories made by the board.

Chapters - Central Indiana Chapter will have a seminar featuring Walt Robillard on April 30, 1999, and the CIC Golf Outing will be October 1, 1999. Mike Huter reported that the next meeting will be March 4, 1999 at Atlantic Technologies. The topic will be aerial mapping and the surveyor's role in establishing ground control. Mike also reported that the Robillard seminar will be at the Ramada Inn - Airport in Indianapolis and the topic will be "Resolving Conflicts of Evidence". Mike reported that the chapter has mailed the first issue of its new newsletter which will be published bi-monthly.

Initial Point Chapter - ISPLS Picnic will be September 11, 1999 at Brown County State Park.

Northwest Chapter - Rich Hudson reported the chapter will be having a joint meeting with the Chicago chapter of the Illinois society in May and hope to have Gary Kent as the speaker with the topic "ACSM Issues". They had a meeting on February 11, 1999, at which they presented the chapter's goals and vision statement which had been developed with Dr. Speth. They will also be having a meeting March 8, 1999 with representatives of the Northwest

Indiana Regional Planning Commission giving a presentation on the flood control project on the Little Calumet River. Rich also mentioned that in 2000 they will be celebrating their 25 year anniversary. They held their first meeting February 13, 1975.

Convention Coordination - Dianne reported that the profit for the 1999 convention should be \$16,408.84, with 20% of that going to the Southwest Chapter.

2000 Convention - Doug Herendeen reported that he has received a budget from the Hoosier Hills chapter and the committee has approved it. Perry Cloyd reported that the chapter will be having a meeting March 11, 1999 to begin planning the program.

2001 Convention - Dianne reported that the Tri-State preliminary steering committee has asked ISPLS for a letter of authorization to proceed and \$2000 in seed money. This would be a joint convention with Ohio and Kentucky held in Covington, Kentucky. Dianne questioned if ISPLS would designate a host chapter, and would they share in the profit or loss. Doug also reported that Ohio has some concerns as well, although they have been supportive in the steering committee meetings. He reported that a preliminary budget indicated it would cost approximately \$300 per person to attend, and even at that it would probably be a break even situation with very little profit. Doug asked the board if they wanted to proceed given that cost. After a long discussion by the board a motion was made and passed to not have a joint convention with Ohio and Kentucky in 2001 and to work on a joint convention with the three societies and ACSM in 2003. The board held a general discussion on which chapter should host the 2001 convention, and at what site. No decision was reached and it was decided to consider this further at the next meeting.

Education - The ISPLS Spring workshop will be Friday, March 5, 1999 at the Holiday Inn in Lebanon, Indiana. The topic will be "ALTA/ACSM Land Title Surveys" presented by Gary Kent. The workshop is already sold out. The 1999 ISPLS Fall workshop will be held at the Canyon Inn, McCormick's Creek State Park, Spencer, Indiana on October 8, 1999. Dianne has submitted the spring workshop and the convention workshops to Kentucky for continuing education approval.

Tony Gregory and Rich Hudson, co-chairs of the committee, sent a letter to the board recommending 7 PDH's for the CIC seminar April 30, 1999 with Walt Robillard. A motion was made and passed to accept the recommendations of the committee and grant 7 PDH's for the CIC seminar.

Ethics - Rich Hudson reported that the committee had not met this year, but was going to try and schedule a meeting for March 19, 1999. Perry Cloyd reported that the committee had received a new complaint concerning a survey recorded this year which had a seven line Surveyor's Report and which had been sealed but not signed.

Business Management - The committee will meet March 19, 1999 at 1:00 p.m. to prepare the budget. Dan Woo reported that we have received a letter from Wallington Asset Management assuring us that they are taking all necessary steps to be Y2K compliant. Dan also reported that we have received the December 31, 1998 quarterly portfolio appraisal from Wallington Asset Management.

Government Affairs - Dianne reported that she had received information on House Bill 1195 from a member. Apparently this

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bill would try to make employers legally liable for treatment decisions made by insurance companies if the employer is providing the insurance coverage. Gary Kent reported earlier on the status of Senate Bill 32. Dan Woo reported that he had attended a committee meeting along with Rick Miller on the Landscape Architect's proposed registration and scope of practice legislation. Dan reported that the engineering groups had opposed the scope of practice portion of this bill and that it was tabled. Gary thinks they may try to bring this bill back with the registration portion, but leaving out the scope of practice portion. Rick Miller mentioned that we should watch for this bill if it does come back to make sure that the education requirements which we negotiated with the Landscape Architects remain in the bill.

Hoosier Surveyors - The winter issue has been mailed and that it has a new look with a change in the paper on which it is printed.

Membership - The board reviewed and approved the new application for membership. Members - William Rensbergber (reinstate), Charles Hendricks (reinstate), William Maurer (reinstate), Edward Clancy; Junior - Timothy Beyer (reinstate), Kevin Lautner (reinstate) Mark Settlemyer, L. Randolph Compton, Jeffrey Yatsko, Daniel Sink, Mark Neal, and David Croft.

Bob Gross reported that the four applicants conditionally approved by the board at its last meeting were approved by the committee. Les Weber mentioned that he thought we should make some change to be sure that new members are aware of ISPLS Code of Ethics. This was forwarded to the committee with the recommendation that they consider adding this to the back of the application form. Rick Miller also stated that he thought this needed to be printed in our roster.

Tony Gregory reported that he had received a copy of the Illinois Professional Land Surveyors 1999 roster. The membership committee will look at Illinois's roster.

Professional Practice - Rick Miller reported that he expected to have an organizational meeting of the committee within the next few weeks.

Public Relations - Dianne reported that ISPLS had received the master tape for GIS video which we partnered with New Jersey to produce. She asked the board to give some direction on the number of copies to produce, whether we would send a copy to all chapters and should we make additional copies of the CIC History of Land Surveying Seminar video. A motion was made and passed to make and provide free of charges copies of the GIS video for all the chapters, Purdue University, Vincennes University, I.U.P.U.I. and Purdue-Calumet, to make additional 12 copies of the GIS video for sale at \$10 each if we have requests for them, and to make one copy of the CIC seminar video for inclusion in the library.

Bill Clark mentioned that Vincennes is hoping to expand its program due to the demand they are seeing from potential employers. Bill asked that the committee prepare a draft letter to guidance counselors explaining the opportunities in surveying and offering to send a representative from Vincennes program to their Career Days. Bill stated that they were not only interested in more students for Vincennes but for all the educational institutions. Bill also addressed the fact that Indiana Vocational Technical School (Ivy Tech) and Vincennes University are possibly considering a merger. Bill stated that they would work very hard to keep the

surveying program within Vincennes. Ron Wharry asked the board if they wanted to pursue a state license for the NSPS Trig-Star program. Don Bengel will look into what the state license provides.

Publications - A motion was made and passed to increase the shipping and handling fee for ISPLS manuals from \$2.50 to \$5.00 due to the increased charge by UPS.

The committee was asked to continue to evaluate the George Schmidt records which were donated.

County Surveyors - John Stephens asked that everybody contact their legislator and express their support for Senate Bill 32.

Indiana State Board of Registration - Rick Miller reported that the board has voted on a final version of the new minimum education requirements for licensure. The final version has changed from the last version the ISPLS board discussed at the January meeting in that the four year degree requirements has been taken out. This was done to make it consistent with the original draft provided to the Governor. The final version will have a public hearing in April, and then go to the Governor for his signature. Rick also reported that the board of registration has completed its preliminary draft of the continuing education rule and made no major changes from what the ISPLS board discussed at its January meeting. This draft will now be going to Legislative Services and the Attorney General and should come back to the Board of Registration in May or June. The Board of Registration is hoping for a public hearing in July or August and final approval from the Governor in September or October. Rick also noted that the Board of Registration is thinking about the issue of public notification concerning people who have had action taken against them, and will be putting it on their web page. They may decide to take additional steps such as a letter of notification to the surveyor's area of practice, but no decisions have been made yet.

NSPS Governor - Dianne reported that the NSPS survey requested by Don Bengel had been mailed and 100 responses had been received, and the responses had been forwarded to Gary Kent. Don Bengel reported that he will be attending the Great Lakes Council and NSPS Governors meeting in March at the ACSM Spring Convention in Portland, Oregon. He expects to be getting more information on the NCEES issue and the NSPS restructuring issue.

New Business - Dan Woo reported that he had received a letter from the chairman of the board of directors of the Western Federation of Professional Land Surveyors. The letter expresses their concern with the proposed NCEES Model Law for Land Surveying. The letter goes on to extend an invitation to the ISPLS President or his designated representative to attend a meeting to be held in Portland, Oregon during the upcoming ACSM Spring Convention. Gary Kent mentioned that NSPS will be meeting with him prior to this meeting to clarify some issues, and that in his various contacts throughout the country he had not found a lot of people voicing opposition. Tony Gregory and Bill Clark have both expressed reservations about this as far as changes in the registration exams and whether their programs could still meet the education requirements. Rick Miller also stated that the Board of Registration is concerned as well, and has discussed this briefly at their last two meetings. The common thread among all these concerns is that nobody seems to be able to find out exactly what is happening. Don Bengel agreed to attend this meeting on behalf of ISPLS.

SURVEYORS HISTORICAL SOCIETY RENDEZVOUS 1999

by Dave Ingram, PLS

Luray, Virginia, will be the site for the 1999 Rendezvous of the Surveyors Historical Society. The gathering will begin on Thursday, September 23, and conclude Saturday evening, September 25.

The focus of Rendezvous '99 will be the 1746 survey of the Fairfax Line. In September, 1746, Thomas Lewis, Peter Jefferson, and an intrepid band of surveyors and "gentlemen commissioners" gathered to perform a survey with the purpose of connecting the head spring of the Rappahannock River and the head spring of the Potomac River. The territory was wild and hostile, the task difficult, and the challenges were numerous.

The Fairfax Line has had an important place in history down to this day. In some places the Fairfax Line is still a county line, in some places a state line, and in numerous places it still represents private property lines. The northwest end of the line is still known and monumented at the head spring of the Potomac, but the southeast end of the line at the head spring of the Rappahannock has been lost to history. Our goal at Rendezvous '99 will be to reestablish the beginning point of the survey and perhaps even discover the stone that the initials "FX" were chiseled into over 250 years ago.

In addition to the field work, we will schedule continuing education classes, a swap meet, a barbecue, and many other events to ensure that everyone will have a good time. Also, the Virginia Association of Surveyors is planning to hold their fall Board of Directors meeting and golf tournament in conjunction with Rendezvous '99.

Luray is located in the Shenandoah Valley of Virginia and the opportunities for private exploration are numerous and varied. Civil War ("the war of northern aggression") History is all around with the New Market Battlefield close by. Luray Caverns are some of the most beautiful caverns in the country, the Skyline Drive is spectacular, and the list of attractions could go on and on.

You are cordially invited to join us for an educational and fun weekend. Further information can be obtained from Surveyors Historical Society headquarters located at 300 West High Street, Suite 2, Lawrenceburg, Indiana 47025-1912.

1999 ACSM/NSPS MAP/PLAT DESIGN COMPETITION

Congratulations go to William D. Richter, Certified Engineering, Indianapolis, for being selected as a Third Place Winner in the Miscellaneous Maps Category of the 1999 ACSM/NSPS Map/Plat Design Competition. ISPLS member, Jeff Bislich was William Richter's sponsor. Mr. Richter was presented a \$25.00 cash prize and certificate at the ACSM Annual Conference in Portland Oregon held March 13-17, 1999.

What if I don't know about a change in a regulation and I get sued?

by Ruth Kelly, CPCU, Agency Associates, Inc.

This is a concern for anyone providing professional services. In today's litigious society, you don't even have to do anything wrong to get sued. It is true that some claims never make it to court. But if and when you face a claim, you need the security of professional liability protection that will help you fend off false claims. It will also protect your assets if your firm is found liable.

Because you are insuring against a future event, it is important to make sure that the insurer is financially sound. You want them to be there when you need them.

Another consideration is how the policy provides for expenses, which are primarily lawyer's fees. We have found that most insurers have policies that include defense inside the policy limit. The problem with this is that if you become involved in a complicated case, by the time the lawyer's fees are paid there may be no money left to pay a judgment against you. In that case, the money will come right out of your company's bottom line.

What if you purchased a firm's assets and liabilities and you get sued because of something your predecessor did? Some companies may exclude this type of loss.

Often insurers are able to settle disputes through mediation which saves the expense of a trial. Most companies will still expect you to pay the full amount of your deductible.

Do you sometimes feel uncomfortable signing a customer's complicated contract? Do you wish you could have someone you trust look at it without having to pay a fortune for this service? Since your professional liability insurer will most likely be the one who has to defend you if you fail to meet the terms of the contract, it seems logical that you should be able to turn to them to help you understand a complex contract. However, most do not offer this service.

The ISPLS professional liability insurance program with A+ rated SAFECO/PIMCO has many advantages that address the above concerns. A few of these are:

- * There are two options available to cover expenses.
- * Coverages applies to past and present partners, directors, officers, employees, stockholders, heirs as well as eligible predecessor firms.
- * Your deductible is reduced by 50% if a claim is settled through mediation.
- * Free contract review services.

Please call Ruth Kelly at 800-759-2777 to get a no cost, no obligation quotation for this important coverage.

Would you rather spend your time surveying or talking to insurance companies?

As a member of the Indiana Society of Professional Land Surveyors, you can use your buying power to purchase several insurance products at very competitive prices. The Membership Committee with the approval of the Board of Directors endorsed Agency Associates, Inc to negotiate on your behalf with the selected carriers to offer you the opportunity to obtain the insurance protection that fits your needs.

Agency Associates, Inc was established in 1974 as a professional, independent insurance agency specializing in innovative insurance planning for individuals, businesses and associations. AAI is a firm of proven, caring and conscientious people: the kind of people you can depend on.

The programs we currently offer are highlighted below. We can also structure group or individual life and/or health programs for you.

Business Insurance

A full range of products is available for the protection of your business including:

Business Owners Package
Business Automobile
Workers' Compensation
Umbrella

Take a look at these benefits

- Discounted rates
- Coverage enhancements
- Loss control information and seminars
- Group dividend potential

Personal Lines

A comprehensive policy to cover your personal autos and your home at discounted rates. Your employees are also eligible for this program.

You may qualify for the following additional discounts:

- for multiple vehicles
- for anti-lock brakes
- Loss free credits on homeowners
- for smoke and burglar alarms, deadbolt locks and fire extinguishers
- for newer homes

Let us talk to the insurance companies for you. Just check the coverages that you are interested in and we will contact you to get the information we need to provide you with a no cost, no obligation quotation. You can fax a copy of this ad to us at 317-471-1700 or you can call Ruth Kelly, the program administrator, at 800-759-2777 or Email at rkelly@agencyassoc.com

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Professional Liability

It is a fact that in today's litigious business climate you don't have to do anything wrong to get sued. Defending your firm against a claim is time consuming and expensive. With SAFECO/PIMCO professional liability coverage, you will always be prepared. Coverage applies to past and present partners, officers, employees and heirs as well as predecessor firms.

In addition to worldwide coverage for acts, errors and omissions including prior acts, you also get free contract review services. See the article in this issue of Hoosier Surveyor for more information.

Disability Income

Working in conjunction with Association Benefits Consultants, we offer a 3-tiered approach to disability income coverage provided by A+ rated carriers specializing in coverage for surveyors, architects and engineers

I. Disability Income for an Individual

II. Group Disability for Companies

For firms with 2 or more employees

III. Voluntary, Payroll Deduction Plans for Companies

For firms with a minimum of 5 participants.

____ **Professional liability**
My current policy expires on _____

____ **Disability Income**
My current policies expire on _____

Phone Number _____

EXPLORING A NEW REFERENCE SYSTEM

by Wendy J. Woodbury Straight, L.S., Dunkirk, New York

In the years between 1927 and 1983, advances in positioning and navigation technology resulted in an overall adjustment of the North American Datum. Major advances have again occurred, but this time over the course of one short decade.

The North American Datum of 1983 (NAD83) was the talk of the town in the late 1980's. Applications were implemented, and in several states, it was mandated for control surveys by government agencies. However, as we near the close of the century, we are faced with the fact that Global Positioning System data recently collected through the establishment of statewide high-accuracy reference networks (HARN's), along with GPS data recently collected via continuing operating reference stations (CORS), together have indicated the inadequacies of NAD83 for precise applications.

The prospect of a new system could have been upsetting. Although the surveying community charges the National Geodetic Survey to investigate and develop adjustments on an as-needed basis, surveyors are traditionally a little shaken by disturbances to status quo.

To make certain that we were not overwhelmed by future shock, an NGS team of geodesists has been working with surveyors and other network users over the past several months to consider what may be temporarily termed the New Reference System.

The team's first priority was to look at options, such as creating updated forms of NAD83 or adjusting various aspects of the network. Even traditional users are realizing that NAD83 is not best suited for precise GPS computations. Neither is it the best way to take advantage of the accuracies that GPS can provide.

Yet, NAD83 is already out there, already widely accepted.

The goal of NGS is to provide users with a uniform and homogeneous coordinate reference system. Piecemeal adjustments have been recently required as each state's HARN has been developed; this has led to multiple data tags and much confusion.

While there is a great need to provide a final NAD83 solution, there is also a need for NGS to provide a system more closely linked to GPS orbit information (i.e., a system based upon the International Terrestrial Reference Frame [ITRF] developed by the International Earth Rotation Service.)

The ITRF is a global Cartesian coordinate system geocentric to within about 1 centimeter and accurate to a few parts per billion.

NGS has found that high precision users of GPS routinely obtain positioning accuracies better than those supported by NAD83. Unquestionably, more and more GPS users will be

dissatisfied with the limitations of NAD83 and will require a coordinate system comparable to ITRF.

For the sake of the present surveying community, however, it will be necessary for NGS to finalize NAD83 and to maintain it while also providing a long-term overlap with the new datum. The NGS team explained that HARNs would be the cornerstone of the new adjustment. Following completion of processing for the last HARN this spring, a national adjustment of all A- and B- order quality data will be performed relative to NAD83.

Included will be data from the Federal Base Network, the Cooperative Base Network, the CORS, and the Area Navigation Approach program. A subsequent adjustment will include existing User Densification Network GPS data, the team said.

These adjustments should remove 3- to 6- centimeter distortions remaining in the A- and B- order components of the National Spatial Reference System and provide a consistent network that can be published as the final NAD83 solution.

Future changes to horizontal coordinates, said the NGS team, would occur only when stations have been physically disturbed or when there are blunders in the data. Ellipsoidal and orthometric height changes would be allowed as improved GPS or leveling data are obtained.

The team recommended that every effort be made to complete statewide readjustments of older horizontal data to be consistent with the HARN adjustments by the year 2000. It is not anticipated that the minor positional changes stemming from such a nationwide adjustment would have any significant impact on lower-order data that have already been readjusted in the various states.

An additional adjustment, based on the ITRF positions of CORS sites, can be simultaneously accomplished. The resulting network would form the framework for the New Reference System.

Transformation programs analogous to NADCON would be made available by NGS as part of its public outreach. Horizontal coordinate shifts are expected to be within the 1- to 2-meter range, consistent with the fact that the

ITRF is that much closer to being geocentric.

To further encourage the acceptance of the New Reference System, NGS would work closely with federal, state, and local data users, such as the Federal Geodetic Control Subcommittee and the NGS Programs Committee of the American Congress on Surveying and Mapping. Data would be published in both the NAD83 and ITRF reference systems.

Aggressive interaction between NGS and the geospatial user

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Terrestrial
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NEWS FROM THE INDIANA STATE BOARD OF REGISTRATION FOR LAND SURVEYORS



Long-time Land Surveyor Registration Board member and chairman, John McNamara, South Bend, left, receives a recognition award for his many years of outstanding service and leadership at the Prof. Licensing Agency's certificate presentation ceremony in November 1998. Presenting the award is current chairman of the Board, Pat Cunningham, Battle Ground. McNamara, the St. Joseph County Surveyor, was originally appointed to the joint P.E. & L.S. Board in 1989 and then to the separate Land Surveyor Board when it was created in 1991 until he retired in 1998.



John Schneider, Carmel, has been appointed by Governor O'Bannon to fill the vacancy on the Land Surveyor Registration Board. Schneider was originally appointed to the joint P.E. & L.S. board in 1989 and then to the Prof. Engineers Board as a member (and past chairman) from 1991 to 1998. Ross Holloway, Mooresville, a member of the L.S. Board, has been reappointed for a new four-year term.

The current Land Surveyors Registration Board consists of: Patrick Cunningham, Battle Ground, chairman
Ross O. Holloway, Mooresville, vice-chairman
Kenneth S. Curtis, West Lafayette
E.R. Gray, Columbus
Thomas J. Boofter, New Albany
John V. Schneider, Carmel
Frederick H. Garver, Indianapolis, public member
(Rosalind Smith, Professional Licensing Agency, serves as Board secretary (317) 232-3931)

The Indiana Professional Licensing Agency has a web site which includes the State Board of Registration for Land Surveyors. Items currently included on the web site that involve land surveying are:

- Part One - IC 25-21.5 Registration Act- Chpts 1-13
 - Part Two - IC 25-1-11 Professional Licensing Standards of Practice
 - Part Two - Administrative Code 865 Rules of the L.S. Board
 - Frequently Asked Questions for Land Surveyors
 - Disciplinary Actions Board actions covering 36 registrants during period 1991-97
- <http://www.ai.org/pla/index.html>

NEW REFERENCE SYSTEM ...continued from Page 13

community would also include workshops and seminars with ACSM, with the American Society of Photogrammetry and Remote Sensing, with the Institute of Navigation, with local and state conferences of professional surveyors, with GPS and GIS user groups, and with other groups or agencies as requested.

At each point in the discussion, the impact of each adjustment was considered by surveyors and other members of the user community. Logical questions were raised. Would we be satisfied with a final NAD83 or New Reference System, or would they too be under continuous revision, causing the ongoing possibility of coordinates du jour? Would the user community continue to be adequately involved in the process?

The professional courtesy extended by NGS has eased our concerns. Joseph Straight, a member of the Datums Subcommittee of the ACSM NGS Programs Committee said, "As usual, education will be the key. ACSM looks forward to assisting NGS in the continuing professional development of the user community."

Wendy Woodbury Straight has been owner of Woodbury Surveying in Dunkirk, N.Y., for the past 14 years. She is also the editor of "Progress and Perspectives" newsletter.

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ATTENTION ALL SURVEY COLLEAGUES!

The Professional Licensing Agency has furnished ISPLS with the following list of individuals who have not renewed their professional license as prescribed by law and are therefore classified as expired. The Licensing Agency sends notices of license renewal and pending expirations to the registrant's last known address on a biennial basis. **It is the registrant's responsibility to properly notify the Licensing Agency of any change of address.** If a registrant does not renew their license for two consecutive renewal periods it is permanently lost and that license can not be regained. The surveyor would have to apply for a new license and meet the current licensing requirements, including minimum education and passing the exam.

Based upon the date of licensure and the last known address shown for many of the registrants it may seem that many of these colleagues may be retired and have intentionally not renewed their license. However, we have contacted several of the listed individuals who are ISPLS members that were not aware of their licensing status with the PLA. Needless to say they were very thankful that we informed them of this fact.

Please review the following list and do a colleague a great favor by calling them to let them know that they should contact the Professional Licensing Agency as soon as possible to correct their licensure status.

Indiana Professional Licensing Agency
302 W. Washington Street, Room E034
Indianapolis, IN 46204-2700
Telephone: (317) 232-2980

DATE EXPIRED	NAME	CITY
7/31/1996	Randall L. Byers	Lafayette
7/31/1998	James W. Emans	South Bend
7/31/1998	Angus L. McDonald	Old Saybrook, CT
7/31/1996	Carl J. Studer	Huntington, NY
7/31/1996	Richard S. Northrop	Erin, KY
7/31/1996	Bruce A. Whipple	Clinton, PA
7/31/1998	Stephen L. Warren	Charleston, WV
7/31/1996	Robert F. Grimes	Clover, SC
7/31/1998	Robert H. Spencer, Jr.	Winder, GA
7/31/1998	Ronald E. Samples	Savannah, GA
7/31/1998	Edward G. Kyle	Port Orange, FL
7/31/1998	John R. Bushell	Ladylake, FL
7/31/1998	Edwin G. Kridler	Ormond Beach, FL
7/31/1994	Charles M. Green	Winter Springs, FL
7/31/1994	Robert L. Barnett	Orlando, FL
7/31/1994	Estil Stidham	Webster, FL
7/31/1996	Ronald P. Anderson	Tampa, FL
7/31/1994	James O. Seneff	Tampa, FL
7/31/1994	William G. Drummond	Haines City, FL
7/31/1998	Philip R. Boller	Cape Coral, FL
7/31/1994	Donald M. Gwinnup	Ft Myers, FL

DATE EXPIRED	NAME	CITY
7/31/1994	William J. Ritman	Sarasota, FL
6/10/1998	Ray C. Haller	Venice, FL
7/31/1994	Donald M. Woods	Ocala, FL
7/31/1998	Charles O. Young	Birmingham, AL
7/31/1996	Hollings T. Andrews	Cookeville, TN
7/31/1998	Bradford D. Andrew, Jr.	Bedford, KY
7/31/1994	Kerry P. Magan	Shelbyville, KY
7/31/1998	Charles C. Schimpeler	Louisville, KY
7/31/1998	James L. Griffin	Louisville, KY
7/31/1994	Clark F. James, Jr.	Louisville, KY
7/31/1994	John W. Hawes	Burlington, KY
7/31/1996	David G. Walton	Burlington, KY
7/31/1996	Henry A. Spalding	Hazard, KY
7/31/1994	Charles F. Lucas, Jr.	Owensboro, KY
7/31/1994	Joseph G. Riney	Owensboro, KY
7/31/1994	William B. West	Owensboro, KY
7/31/1998	Jack L. Lautenschlager	Henderson, KY
7/31/1996	Roger I. Baker	Galloway, OH
7/31/1996	James L. Massey	Lancaster, OH
7/31/1998	Stepehn H. Henson	Gahanna, OH
7/31/1996	Wayne W. Russell	Springboro, OH
7/31/1996	Harold J. Weinheimer	Cincinnati, OH
7/31/1996	Karl M. Schab	Dayton, OH
7/31/1994	Thomas C. Hubbell	Ada, OH
7/31/1996	Clarence V. Windsor	Anderson, IN
7/31/1994	Meredith W. Fry	Chesterfield
7/31/1998	William C. Brandt, Jr.	Carmel
7/31/1996	Maurice C. Stout	Fishers
7/31/1994	Charles B. Gaskins	Frankfort
7/31/1994	John H. Reider	McCordsville
7/31/1998	Robert D. Monical	Noblesville
7/31/1994	George L. Reyman	Danville
7/31/1994	Cecil R. Weddell	Greencastle
7/31/1994	Lionel Galerman	Greenfield
7/31/1996	Robert H. Chasteen	Greenwood
7/31/1994	Thomas H. Murphy	Martinsville
7/31/1998	Donald R. Sisson	Martinsville
7/31/1994	Delbert A. Hobson	Mooresville
7/31/1996	Robert G. Wimmenauer	Whiteland
7/31/1994	Eugene L. Brown	Indianapolis
7/31/1998	Kenneth W. Brown	Indianapolis
7/31/1994	Joseph E. Prout	Indianapolis
7/31/1998	Richard B. Wetzel	Indianapolis
7/31/1994	James D. Boyle	Indianapolis
7/31/1998	Mohamed A. Mohid	Indianapolis
7/31/1994	Robert J. Pfeleiderer	Indianapolis
7/31/1998	Billy Wood	Indianapolis

...continued Page 17

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EXPIRED LAND SURVEYORS

...continued from Page 15

DATE EXPIRED	NAME	CITY
7/31/1994	Paul N. Koepper	Indianapolis
7/31/1994	Gene K. Hallock	Indianapolis
7/31/1998	Charles C. Campbell	Indianapolis
7/31/1994	James W. Roberts	Indianapolis
7/31/1994	Charles M. Hillery	Indianapolis
7/31/1994	Arthur W. George	Indianapolis
7/31/1996	Richard C. Briede	Indianapolis
7/31/1996	Allen D. Whitehead	Crown Point
6/6/1996	Robert L. Lippman	Munster
7/31/1994	Merle W. Nicewander	Highland
7/31/1994	Richard T. Buckingham	LaPorte
7/31/1998	John E. Hupp	LaPorte
7/31/1996	Richard P. Frame	Michigan City
7/31/1994	Donald F. Lyons	Michigan City
7/31/1996	Boyd W. Phelps	Michigan City
7/31/1996	Richard B. Babcock	Valparaiso
7/31/1998	John M. Kimpel	Warsaw
7/31/1998	Bill E. Slabaugh	South Bend
7/31/1994	Edward M. Fisher	South Bend
7/31/1994	Earnest M. Thompson	Albion
7/31/1994	Owen C. Smith, Jr.	Angola
7/31/1998	Michael A. Ford	Decatur
7/31/1994	Roger G. Vanasse	Huntington
7/31/1998	Warren J. Miller	Kendallville
7/31/1996	Keith E. Moody	Pleasant Lake
7/31/1994	William A. Darling	Fort Wayne
7/31/1998	Daniel R. Hollenbeck	Fort Wayne
7/31/1996	Mark L. Gensic	Fort Wayne
7/31/1998	William S. Davis	Fort Wayne
7/31/1998	Paul J. Sandy, Jr.	Kokomo
7/31/1994	Earl E. Hemmeger	Kokomo
7/31/1994	John S. Sheppard	Winamac
7/31/1996	J. Arthur Wenzel	Lawrenceburg
7/31/1998	Jerold L. Fischvogt	Versailles
7/31/1994	Joseph T. Sims, Sr.	Charlestown
7/31/1994	Joseph W. Jacobi	Clarksville
7/31/1996	Richard S. McKee	Leavenworth
7/31/1994	Dallas E. Montgomery	Underwood
7/31/1996	Bobby L. Fewell	North Vernon
7/31/1998	Jerry L. Gobin	Connersville
7/31/1996	Jack M. Spake	Lynn
7/31/1998	William D. Connors	Bedford
7/31/1998	Andrew J. Sobiech	Bedford
7/31/1996	Robert I. Williams	Bedford
7/31/1994	Richard A. Gregg	Linton
7/31/1996	Robert Allen	Nashville
7/31/1998	Gary D. Cobb	Solsberry

DATE EXPIRED	NAME	CITY
7/31/1998	Leander H. Mehling	Ferdinand
7/31/1996	Fred E. Hollinden	Jasper
7/31/1994	James F. Nolley	Montgomery
7/31/1994	Ralph M. Wiltis	Princeton
7/31/1996	John F. W. Koch	Evansville
7/31/1994	Paul H. Legeay	Evansville
7/31/1998	Jerry V. Schmits	Evansville
7/31/1998	Charles F. Schilling	Terre Haute
7/31/1996	Sherrel E. Page	Dugger
7/31/1998	Lewis G. Ayres	Rockville
7/31/1994	H. Stewart Kline	Lafayette
7/31/1996	Robert L. Martin	W. Lafayette
7/31/1998	James C. Kane	Williamsport
7/31/1998	Francis A. Papke	Livonia, MI
7/31/1994	James A. Porter	Dewitt, MI
7/31/1994	Jack K. Smith	Howell, MI
7/31/1994	Lester H. Poggemeyer	Frankfort, MI
7/31/1998	Wayne E. Moore	St Germain, WI
7/31/1994	James E. Crotty	Elk Grove Village, IL
7/31/1994	Kenneth F. Porwancher	Highland Park, IL
7/31/1994	James C. Smat	Country Club Hills, IL
7/31/1996	Sam G. Haldiman	Oswego, IL
7/31/1994	Harry W. Lochner	Chicago, IL
7/31/1994	John R. Mackie	Chicago, IL
7/31/1994	Joseph S. Studnicka	Chicago, IL
7/31/1998	Richard A. Tyson	Kankakee, IL
7/31/1994	Michael V. Fitzsimmons	LaSalle, IL
7/31/1994	Ivan Allen Moore	Danville, IL
7/31/1994	William M. Bruemmer	Hillsboro, IL
7/31/1994	D. Wayne Shoemaker	Decatur, IL
7/31/1998	William F. Blank	Decatur, IL
7/31/1996	Robert D. Wesselink	Decatur, IL
7/31/1998	Donald L. Lane	Springfield, IL
7/31/1994	Kenneth B. Alldredge	Carmi, IL
7/31/1994	David C. Dallas	Mt Carmel, IL
7/31/1994	Gary L. Kern	Chesterfield, MO
7/31/1994	Karl E. Wagner	Crestwood, MO
7/31/1994	Robert F. Tindall, Jr.	Topeka, KS
7/31/1998	Conrad L. Howe	Paragould, AR
7/31/1996	Rolland G. Mattson	Houston, TX
7/31/1994	Byron L. Simpson	San Antonio, TX
7/31/1994	Barry J. Rollman	Austin, TX
7/31/1998	Clark H. Judy	Lakewood, CO
7/31/1994	D.M. Dreher	Lander, WY
7/31/1994	Max M. Scott	Boulder City, NV
7/31/1996	Jon C. Taylor	Rancho Palos Verdes, CA
7/31/1994	William H. Largent	Torrance, CA
7/31/1998	Gordon W. Ray	Union City, CA
7/31/1994	Michael A. Puthoff	Hollister, CA
7/31/1998	Thomas J. Pfeiffer	Florence, OR

Member Savings Reported through the ISPLS Discounted Long Distance Telephone Program

The ISPLS Sponsored Discounted Long Distance Telephone Program continues to be a success for both the Association and members alike.

Member participation in this benefit program is at an all time high, and more of you are taking advantage of this program with every passing month.

Many members are able to significantly offset their annual ISPLS membership dues, and in many cases recoup the entire costs of their an-

nual membership dues with their realized savings. If you haven't investigated it lately, you may be missing out.

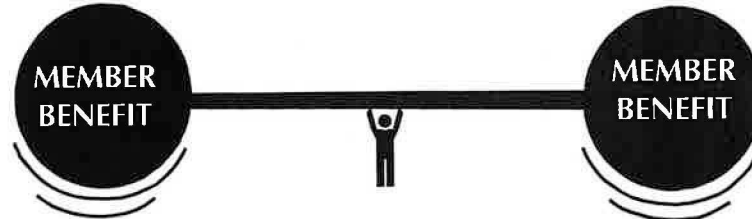
The Eclipse program offers members a guaranteed flat rate on all outbound, calling card, 800 and 888 services. The program also offers guaranteed flat rates on dedicated T1 services.

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your
company's
long
distance
bill!



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To get the money-saving details about the ISPLS Discounted Long Distance Program, FAX to the Program Administrator Eclipse at 1-800-611-5698. Or call 1-800-342-9287.

Name _____ Fax Number _____
Company Name _____ Phone Number _____

INDIANA STATE BOARD OF REGISTRATION FOR LAND SURVEYOR DISCIPLINE ACTION

(Taken from the Indiana Professional Licensing Agency web site by ISPLS)

SBRLS 91-01

Guy Moore LS80040531

Registration as a land surveyor is permanently revoked. Filed January 24, 1992.

SBRLS 91-02

Richard Bever LS80040062

Final Order - registration as a land surveyor is suspended indefinitely. Filed October 22, 1991.

SBRLS 92-06

William Harlos LS80040322

Registration as a land surveyor is permanently revoked. Filed September 10, 1993.

SBRLS 92-19

Grama Bhagavan LS80040385

Registration suspended. Filed May 12, 1994.

SBRLS 93-15

Howard A. Biggs LS80006659

Probation status indefinitely. Filed January 26, 1994. License expired July 31, 1994.

SBRLS 93-22

Timothy F. Owens LS80040241

Final order - probation status. Required to submit monthly reports. Filed June 25, 1996. Probation is modified as follows: Practice is limited to performing only survey location reports. The respondent shall pay a civil penalty of \$3000.00

SBRLS 93-23

Ronald Renkenberger LS80040237

Registration as a land surveyor is suspended indefinitely.

SBRLS 93-24

Michael Sadlon LS80040508

Complaint filed 9/21/93. Probation status begin on May 1, 1995, submit monthly reports to the board.

SBRLS 93-31

William Darling LS80009905

License is now surrendered and therefore no longer in effect. Filed November 17, 1994.

SBRLS 94-02

Robert Lee Isgrigg LS80040365

Final order - probation status indefinitely beginning May 1, 1996.

SBRLS 94-12

Eugene M. Kelley LS80010078

License revoked on August 24, 1994.

SBRLS 95-06

E.D. Beam LS80012919

Registration as a land surveyor held by E.D. Beam is permanently revoked.

SBRLS 95-07

Dorman Miller LS80012067

Registration is now surrendered and therefore no longer in effect. Filed August 31, 1995.

SBRLS 95-08

Bruce W. Atkinson LS80011230

Suspended indefinitely. Filed April 21, 1995. License expired July 31, 1996.

SBRLS 95-19

Larry E. Vanosdol LS80012881

Final order - probation with no right to petition for withdrawal until he has submitted another boundary survey with the monthly reports required by the board's June 29, 1995 Final Order. Filed February 21, 1996.

SBRLS 96-12

Rowland A. Fabian LS80006538

September 12, 1997, registration as a land surveyor is suspended indefinitely. The respondent shall pay a civil penalty of \$1000.00.

SBRLS 96-23

Martin H. Badgley LS80880021

Final order - Filed May 9, 1997 - license to practice land surveying in Indiana shall be on probation status indefinitely. Practice shall be limited to performing surveyor location reports.

SBRLS 97-09

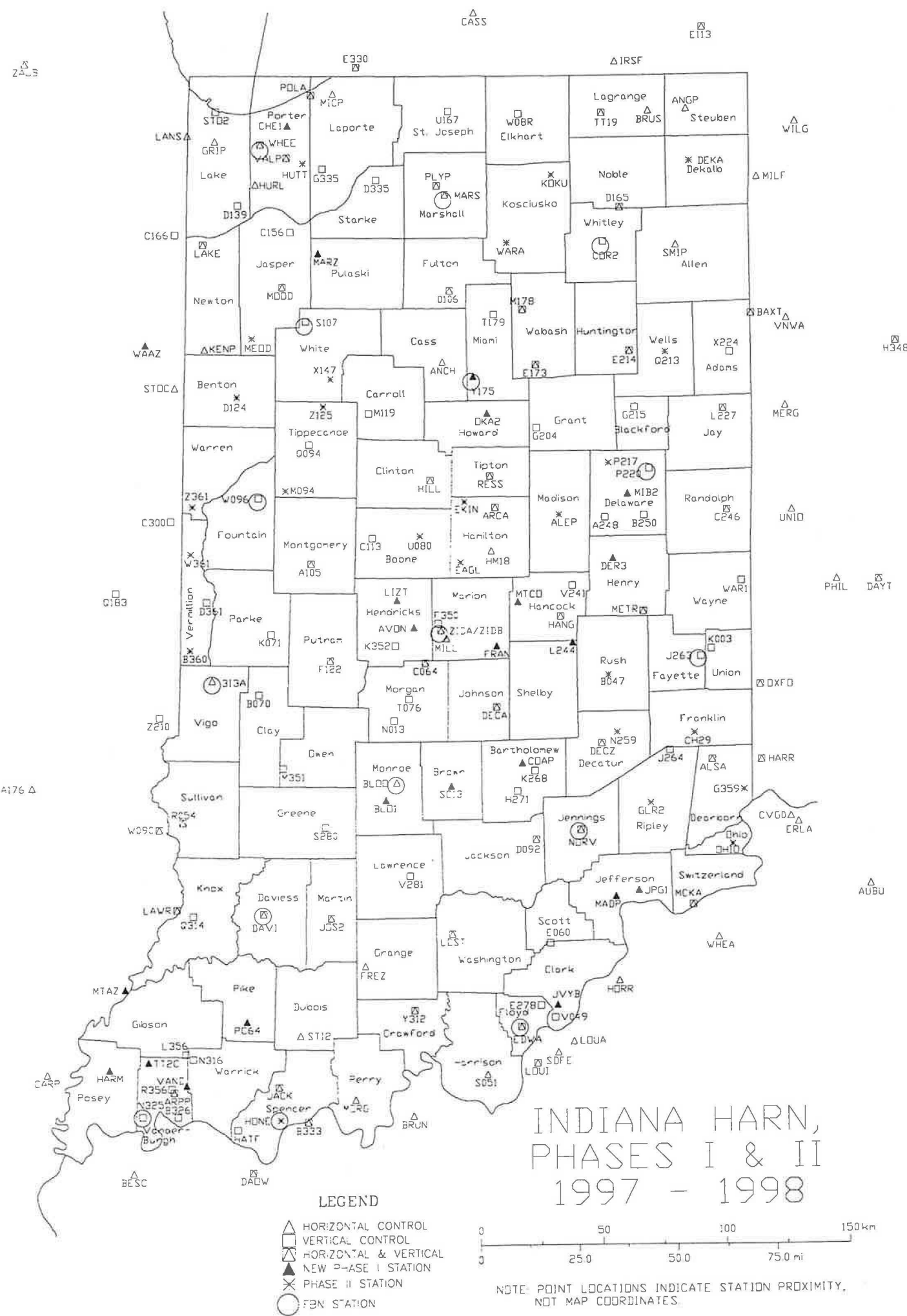
David E. Penturf LS80040566

Filed August 4, 1997 - Registration as a land surveyor is placed on probation indefinitely.

SBRLS 97-10

Lowell D. Hamilton LS80040330

Final order - filed August 22, 1997. Registration as a land surveyor is placed on probation indefinitely. He shall have a civil penalty of \$1000.



THE INDIANA HIGH ACCURACY REFERENCE NETWORK COMPLETED

by Boudewijn H.W. van Gelder &
David J. VandenBerg

Work on the Indiana High Accuracy Reference Network (HARN) is quickly coming to a close. The first phase results were accepted by the National Geodetic Survey (NGS) in early May 1998. The second phase results, submitted to the NGS by Woolpert, L.L.P., have been approved and posted since early April 1999.

The first phase of the HARN established 126 stations in Indiana. The NGS, Schneider Inc., Plumb Tuckett & Associates, Indiana Department of Transportation (INDOT), Indiana Department of Environmental Management (IDEM), and many others made observations in the summer of 1997. Data processing was undertaken by the NGS.

For the second phase of the HARN, Woolpert was contracted, by the Office of the Indiana State Geodetic Advisor (OISGA), to observe an additional 25 stations in Indiana. Observations took place during the summer of 1998. The NGS did not make any observations in the second phase of the HARN. The phase 1 stations HONEY, G359, & GLASGOW RM 2 were resurveyed in the second phase, due to suspected monument motion.

The Indiana HARN consists of 148 A-order and B-order GPS survey stations. NGS specifications for A-order GPS survey stations require a relative baseline accuracy of 5 mm + 1:10,000,000. B-order GPS survey stations require a relative baseline accuracy of 8 mm + 1:1,000,000. Three A-order stations were established in the first phase of the Indiana HARN. They include the reference markers ZID A and ZID B for the proposed Continuous Operating Reference Station (CORS) at the Indianapolis International Airport (IND). The final A-order HARN station is BLOOMINGTON NCMN 7291, a station visited by mobile Very Long Baseline Interferometry (VLBI) in 1987 as part of the NGS National Crustal Motion Network (NCMN). All other first and second phase stations are B-order.

Each of the Indiana counties has at least one HARN station; note that NGS datasheet places station E 60 in Clark County, however it is believed to be north of the county line in Scott County. Porter and Vanderburgh counties have the most HARN stations with six stations each.

The NGS has designated 17 of the Indiana HARN stations as Federal Base Network (FBN) stations. These stations will be critical in the readjustment of the National Spatial Reference System (NSRS) by the NGS. They are dispersed evenly over the state, with the exception of ZID A and ZID B at IND.

To make HARN stations as accessible as possible, the OISGA has built a web page with maps of the Indiana HARN and tables of the HARN stations. The lists contain hyperlinks to the appropriate NGS datasheets for further site research by (Indiana) Surveyors.

This new web site is located at:
<http://ce.ecn.purdue.edu/~oisga>

COUNTY SURVEYOR UPDATE

by John H. Stephens, PLS
Wabash County Surveyor

The County Surveyor's Association held its' annual meeting at Purdue University Road School on March 24, 1999 with President Jay Poe presiding. During the business meeting on Wednesday afternoon the following items were approved:

- 1) County Surveyor's Association of Indiana approved the expenditure for membership in National Association of County Surveyors.
- 2) Other expenditures approved were as follows:
\$100.00 to Peggy Archer Scholarship Fund
\$100.00 to John McEntyre Scholarship Fund
\$300.00 to AIC (dues)
\$600.00 for "in-state" travel costs for president, if needed.
- 3) Newly elected officers are as follows:
President: Jeff French, Ripley County Surveyor
Southern VP: Jeffrey Stenger, Dearborn County Surveyor
Central VP: Lynnette Pletch, Clinton County Surveyor
Northern VP: John Stephens, Wabash County Surveyor
Sec/Treas: Doug Lechner, Johnson County Surveyor

Kent Ward presented a legislative update regarding the current bills in session. Discussion among members concerning SB 32 followed. Patrick Manship reported for the Indiana Historical Landmarks concerning the Initial Point in Paoli. Jay Poe presented John Stephens with the section corner perpetuation award. Future topics were discussed and the meeting was adjourned.

Legislative updates on Senate Bill 32 (drainage law duties of County Surveyors). House committee passed SB 32 on March 30, 1999. One representative objected to the bill and considerable discussion was held regarding the section corner perpetuation recording fee being raised from \$1.00 to \$5.00. It would be helpful to contact your Senators and Representatives to voice your need for the increase.

KENTUCKY PDH APPROVAL FOR ISPLS WORKSHOPS

NOTE: Surveyors wishing to claim the Kentucky PDH credits for their Kentucky Continuing Ed requirements must note the Course Number assigned by Kentucky on their course completion certificates.

Course #	PDH's	Title
99-046	6	ALTA/ACSM Land Title Surveys
99-047	1.5	Indiana HARN
99-048	1.5	Theory of Location
99-049	1.5	Playing By The Rules
99-050	1.5	Old Fences & Property Lines
99-051	3.5	Astronomic Observations
99-052	3.5	FEMA Issues
99-053	3	Legal Research for Surveyors
99-054	6	Hydrology for Surveyors

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NSPS GOVERNORS REPORT

by E. Donald Bengel, PE-PLS, Valparaiso, Indiana

It was a pleasure and duty to attend the N.S.P.S. and Great Lakes Regional Council meeting in Portland, Oregon (the city of rain) in March.

The Great Lakes Council met on Saturday morning prior to the N.S.P.S. Governors meeting. Eleven of twelve states were in attendance. The first order of business was to accept New Jersey as a member state. New Jersey Society of Professional Land Surveyors has approximately 900 members. The Great Lakes Council began with those states that bordered any of the Great Lakes. The by-laws were revised to permit any state to become a member that abutted a member state. This would indicate that all fifty states could one day be members.

The council supported a move to study the possible dues structure for members if every state was a member of A.C.S.M. This is a result of the questionnaire that was circulated earlier this year. It appears that approximately 70% of the respondents were in favor of mandatory membership in the National Society.

There seems to be a growing list of states with mandatory continuing education requirements.

The delegates from New Jersey provided each state with a copy of each of the new videos: "Professional Land Surveyors & GIS Mapping the Future" and Professional Land Surveying: "A Career Without Boundaries". These copies will be at the library at headquarters.

The council supported the use of a general prayer written by Ben DeVane, Governor of Georgia, using surveyor language. Ben is willing to give all N.S.P.S. members the right to use the prayer.

Much discussion centered on a letter written by the Western Federation concerning the proposed model law proposed by the NCEES. This letter was sent to all state societies. After discussion it seems that the letter was based upon some misconceptions or misunderstandings by the writer. The council voted to offer a motion at the Board of Governors meeting to invite the Western Federation to the meeting to discuss their concerns.

In addition to the delegates present, there were 17 honored guests in attendance. The council appears to be an important force within N.S.P.S.

The meeting was adjourned and the delegation moved to the Board of Governors meeting.

Board of Governors Meeting

All but four Governors were present at the opening of the meeting.

Motion passed: Request the NSPS Board of Directors and the ACSM Board of Direction to conduct a budget study to determine what level of dues reduction would be possible, if membership in NSPS were increased by 500%, while continuing current levels of service. Results of the studies to be forwarded to the NSPS Governors by August 1, 1999. As mentioned above this motion was a result of the questionnaires concerning the restructuring of NSPS.

Motion passed: The NSPS Board of Governors accept the "Surveyor Prayer" as written by Ben DeVane, governor from the Surveying and Mapping Society of Georgia, for use as appropriate

at meetings, functions, and for publication and distribution to members and the public.

"SURVEYOR'S PRAYER"

Almighty God, Surveyor of the Universe and the True Point of Beginning for all things.

Bless that parcel of time more particularly described as life and guide us as we traverse through it.

May we accurately follow courses you have set forth giving full measure of our time and talents in a manner that will make our lives worthy of a place in the record book of eternity. We submit the sum of our being; less and except those errors by Your grace forgiven.

Witnessed by those present in Your Holy Name. Amen.

Ben DeVane Georgia Surveyor 1504 July 13, 1991

Motion Passed: Map/Plat judges will serve on a rotating basis. Each year the Board of Governors Chairman will appoint two "STATE" Governors to serve a three year term as judge. An annual agenda item will be placed on each spring meeting to appoint the two new judges.

Motion Passed: Request the NSPS Board of Governors to direct the proper committee to add another category to the NSPS Map/Plat contest: Colored "Presentation - Plans and Maps" (All categories)

Reports:

Curt Sumner, Interim Director of ACSM, stated that finances were still a serious concern and that his primary aim is to perpetuate the vision of member focus. FEMA is looking to ACSM to provide training; very successful registration for the Portland meeting; membership drive will involve Governors and Directors; looking at obtaining grants to assist the budget; will probably sell HQ building and look to rent less expensive office and storage space; request all members to be supportive of ACSM's efforts to improve.

Joint Government Affairs Committee - John Matonich, Michigan
Possible surveyor involvement in "C.O.P.S." program of crime mapping. FEMA is about to transfer the ability to handle L.O.M.A.s to P.E.s and L.S.s. Training will be necessary. Full deductibility to Health Insurance Premiums by small business owners is part of a bill before Congress. ACSM has been asked by ALTA to assist in the fight of the effort to allow "packaging" of settlements. ACSM is opposed to a proposed tax on association investment income. ACSM is monitoring the OMB Implementation Guidelines. The FCC is again licensing RTK GPS. Tenn. Assn. of Realtors is warning their members not to reproduce surveys without the surveyor's permission, working to prevent Bundling of Services to circumvent the Brooks Act.

NSPS, Inc. Restructure Committee - John Warren, Washington
The final report is due at the Spring 2000 meeting. Proposals are based on extensive discussions in committee and on the interim results of the questionnaires.

NSPS Foundation - Tapley

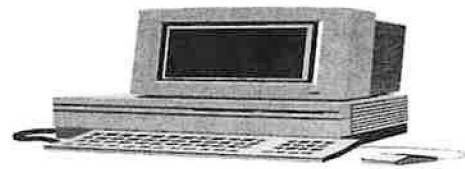
...continued Page 25

IDENTIFICATION NUMBERS FOR FIRMS/AGENCIES

Assigned by the Indiana State Board of
Registration for Land Surveyors

ID #	FIRM/AGENCIES
001	Schneider Engineering, Indianapolis
002	Warrick Engineering, Newburgh
003	Blankenbeker & Son, Jeffersonville
004	Vester & Associates, Lafayette
005	Indiana Dept. of Transportation, Indianapolis
006	Nolan & Gibson, Greenfield
007	Bonar & Associates, Fort Wayne
008	Stoeppelwerth & Associates, Indianapolis
009	Alan Stanley & Associates, Greencastle
010	Pace Engineering, Shelbyville
011	RQAW & Associates, Indianapolis
012	Weihe Engineers, Indianapolis
013	Marbach & Brady, Elkhart
014	Floyd E Burroughs & Associates, Indianapolis
015	Beam, Longest & Neff, Indianapolis
016	Jacobi, Tombs & Lanz, Clarksville
017	Russell Engineering, Fort Wayne
018	United Surveying, Indianapolis
019	Woolpert Consultants, Indianapolis
020	Z K Tazian Associates, Fort Wayne
021	Indiana Dept of Natural Resources, Indianapolis
022	United Consulting Engineers & Architects, Indianapolis
023	Morley & Associates, Evansville
024	HNTB Corp., Indianapolis
025	Hofer & Davis, Fort Wayne
026	Coil & Dickmeyer, Fort Wayne
027	Donovan Engineers, Fort Wayne
028	Cornerstone Surveys, Indianapolis
029	Anderson Surveying, Fort Wayne
031	Crowder & Darnall, Columbus

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IDEM Web Site Address:
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Daily Ozone Reading:
http://www.ai.org/idem/oam/oam_main.html

Indiana HARN Web Site:
<http://ce.ecn.purdue.edu/~oisga>

ACSM Web Site:
<http://www.survmap.org>

Indiana Professional Licensing Agency
Indiana Government Center South
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Indianapolis, Indiana 46204
(317) 232-2980

IT CAN HAPPEN TO YOUR EMPLOYEES!

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

Some of you may be aware that we were chosen to be a part of POB 2000. This is a seminar to be conducted this fall at Walt Disney World. It is sponsored by POB Magazine. The educational sessions are geared to help surveyors face business challenges in the new Millennium. We will be providing three sessions for the program. To prepare for this program I have been conducting extensive research into OSHA's relationship with surveying and engineering companies. During the course of this research, I have found some interesting facts on fatalities. This goes along with some concerns of mine as I travel the roads of Indiana. Let's have a frank discussion.

There are field crews who still don't see the importance of protecting themselves. Maybe it's the "macho" thing. Maybe when they were learning the business someone told them only "wimps" wear safety vests and other PPE items. The fact is there are tremendous numbers of surveying employees who are taking a chance with their lives every day they work. Surveying field crews throughout the United States suffer fatalities and serious injuries every single year. Granted, some accidents may be "freakish" in nature, but that still doesn't mean they couldn't have been prevented.

I put thousands of miles each year on my vehicle in the State of Indiana. During my weekday excursions I just about always see at least one field crew working, and most of the time several. From quick boundary surveys to extensive work that may cover dozens of miles, there are crews surveying in every corner of Indiana. In any given day if I see 4 or 5 crews, I may see warning signs for one or two of the crews. I will admit that over the past few years there has been an increase in the use of safety vests, but the usage is still far from

NSPS Governors Report ...continued from Page 23

Plans to present five scholarships at the Portland meeting. The foundation currently has \$125,000.

Model Law Task Force - Garlitz & Johnson

Web site for the existing and proposed Model Law is: www.asprs.org then go to the external affair 3rd level.

Jerry Goodson, Texas was reelected Chairman of the Board.

Lamar Evers, Florida was elected Secretary of the Board.

John Warren, Washington, resigned as Secretary to accept the position of Director Area 10 NSPS. John has been secretary for the past five years and has done a great job.

The next meeting will be in Grand Rapids, Michigan from October 16 thru October 20, 1999. This is a relative short drive from Indiana. Let's try to have a good attendance from our state.

Respectfully submitted
Don Bengel, Governor

universal. I have had field crews tell me that no matter what they do to protect themselves there are still idiotic drivers who appear to be "aiming" for them. I won't contest that...however I strongly feel with that knowledge we should take every precaution possible to warn and even try to keep away the idiots.

Roadsite safety is getting increased attention throughout the country. In New Jersey, the State Highway Patrol was trained in recognition of safety hazards for roadway crews. These officers have been instructed to call the local OSHA office when unsafe acts are noted on the roadways of New Jersey. OSHA realizes that work on the roadways is dangerous. In fact, it is my opinion we are probably lucky that more fatalities in surveying crews don't occur each year.

More vehicles travel the roadways each year. Many roads are working beyond their design capacity..and many drivers drive way beyond the safe speed of that design. The bottom line is that crews working on roadways need all of the help they can get to make it through the day. Look at your policies on the wearing of safety vests, hard-hats, and other PPE. Do you have the proper signs in each vehicle? The heavy steel signs are just about outdated. Most crews don't mess with them because they are too heavy to cart around. There have been many technological advances in signage systems. Many will now readily withstand 70 to 80 mph wind factors and still not topple over.

Let's look at another item that has concerned me for a number of years. I have heard many stories from field crews about getting chased out of fields by bulls or other farm animals. Several have even told stories about farmers chasing them away with shotguns. Stories abound about missed shots being fired during hunting season. When questioned about notification of the property owners I get a small response in those who actually tell someone they are going onto their property. I understand there are laws in Indiana that may protect workers from certain trespassing charges, but letting property owners know workers are present may help protect workers. Granted, notification may bring questions, but it is better to have a problem up front than to have a worker injured when that injury could have been prevented. Think about it...

Yes, there are fatalities and serious injuries of surveying employees each year. Let's make a concentrated effort to reduce those incidents in Indiana. Attending funerals for workers is a real downer.

**There are still
field crews
who still don't
see the
importance of
protecting
themselves.
Maybe it's the
"macho"
thing.**

CALENDAR

June 5, 1999

ISPLS Board of Directors Meeting, Vincennes

July 10, 1999

ISPLS Board of Directors Meeting, Indianapolis

July 10-14, 1999

27th Surveying/Geomatics Teachers Conference, Purdue University, Lafayette

July 23, 1999

Northwest Chapter/ISPLS Workshop, Topic: ALTA/ACSM Land Title Surveys, Speaker: Gary Kent, PLS, Holiday Inn, Plymouth, IN

August 14, 1999

ISPLS Board of Directors Meeting, Indianapolis

September 11, 1999

ISPLS Picnic, Brown County State Park, Nashville, IN; Contact: Jason Copperwaite (812) 738-4124 or Harold Hart (812) 256-5777.

September 24-26, 1999

Surveyors Rendezvous, Luray, Virginia

September 25, 1999

ISPLS Board of Directors Meeting

October 1, 1999

ISPLS Golf Outing

October 8, 1999

ISPLS Fall Workshop, McCormick's Creek State Park, Canyon Inn, Spencer, Indiana, Phone: 812-829-4881

October 14-16, 1999

POB 2000, Industry Summit. Sponsored by POB. Hilton in the Walt Disney World Resort, Lake Buena Vista, Florida

October 29, 1999

ISPLS Board of Directors Meeting & Goal Setting Session, Indpls

November 9-11, 1999

ACSM GIS/LIS' 99, Los Angeles, California

December 4, 1999

ISPLS Board of Directors Meeting, Indianapolis

January 12, 2000

ISPLS Board of Directors Meeting, French Lick, Indiana

January 12-14, 2000

ISPLS 48th Annual Convention, French Lick Springs Resort, French Lick, Indiana

XVII North American Surveying/Geomatics Teachers Conference

Purdue University, W. Lafayette, Indiana, July 10-14, 1999

For information on program content contact:

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For information about registration contact:

Nona Schaler, Conference Coordinator

Phone: 765-494-2756 or 800-359-2968 extension 92N

Fax: 765-494-0567 E-mail: njschaler@cea.purdue.edu

WELCOME NEW ISPLS MEMBERS



January 14, 1998

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Chris D. Boyd - Junior

John R. Eckart - Associate

Kelly S. Ferguson - Junior (reinstate)

Rick A. Floyd - Junior

Donald E. Gries - Junior

Daran F. Hall - Junior

Scott H. Holder - Junior

Rodney J. Kelly - Student

Steven B. Knies - Junior

Mark Landstrom - Member (reinstate)

Kelly D. Marley - Junior (reinstate)

John C. Naggy - Junior

Rodney Neese - Member

Billy T. Nicholson - Member

Travis A. Norman - Junior (reinstate)

Rik L. Sanders - Junior

Keith M. Saul - Junior

Brock Sears - Junior

February 27, 1999

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L. Randolph Compton - Junior

David G. Croft - Junior

Charles D. Hendricks - Member (reinstate)

Kevin L. Lautner - Junior (reinstate)

William L. Maurer - Member (reinstate)

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