

HOOSIER SURVEYOR

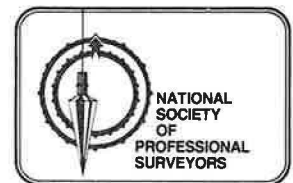


QUARTERLY PUBLICATION OF THE
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FALL 1998



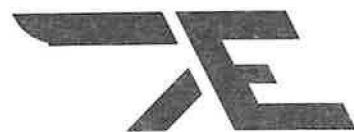
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(See Page 25)



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EDITORS NOTE

Deadlines for copy for various planned issues of the Hoosier Surveyor are as follows: Winter - December 31; Spring - March 31; Summer - June 30; Fall - September 30.

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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 Richard H. Miller, PLS, Indianapolis, IN

The old adage that time flies when you are having fun is certainly true. It seems as if the last issue of this newsletter just arrived and we were in the middle of a very busy year. Well the year is coming to a close and before long we will be meeting old friends and making new acquaintances at the annual convention in Evansville.



We are still in the midst of a bull season for land surveying due to a strong U.S. economy. In spite of recent volatility in the stock market nationally and economic disasters abroad many analysts remain optimistic that heavy construction and the housing market will remain strong nationally through the next two quarters. This is certainly good news for surveyors.

Many of us have been struggling to keep up with the demands of our clients during these times and find ourselves stretched to the limits in providing services. It is usually about this time of year that most Indiana surveyors begin to look forward to the annual winter slow down in our work load.

I believe however that winter should not be a time of relaxation and recuperation but one of planning and preparation. We surveyors are usually pretty good at execution but generally perform poorly when it comes to planning. Why is this? Usually it is because we are too busy with the every day chores of running a business and coping with personal and family obligations to think about next month let alone next year. It's time to break this pattern and focus on the future. We need to create a vision for our future, develop a plan of action to achieve the vision, and then do what we are good at, execute the plan.

What's your vision of the future of surveying? What's your role in this future? Not sure? Well join the club. Many of your colleagues nationally are contemplating these same questions. You've listened to the opinions of others and read the articles in national publications: four year degree requirements for licensure, continuing education, professional image, technician certification, emerging disciplines and markets such as GIS/LIS, even what we should call ourselves, surveyor or geomatician. Do you think that these issues don't affect you or your business? If you do then you certainly aren't thinking about the future. One thing is for sure, change will take place. Each of us has an opportunity to choose whether we will be driving change or be run over by it.

Yes, there are many issues in surveying to think about, plans to be made, and problems to be solved, but this is not overwhelming for surveyors. We have a thriving and resourceful state professional

organization that can muster the resources of its members to make anything happen that we can envision. I challenge each of you to get active in ISPLS, and your local chapters. This is your professional society. The opportunities are boundless and your participation is the difference between success and failure.

I leave you with this question. What's your vision of the future of land surveying in Indiana and what are you going to do to make it happen? See you in Evansville in January.

Professionally yours,

Rick Miller,
President

NEW REGISTERED LAND SURVEYORS IN INDIANA

The Indiana State Board of Registration for Land Surveyors will hold the certificate presentation for new Professional Land Surveyors on Friday, November 20, 1998. The ceremonies will be held at the Government Center South Auditorium at 1:30 p.m., Indianapolis. The following land surveyors will be awarded certificates:

Brian D. Anderson	Vincennes, IN	29800009
Todd Bauer	New Haven, IN	29800007
Harold Hart	Charlestown, IN	29800020
Dennis N. Helms	Montgomery, IN	29800008
Kevin Johnson	Indianapolis, IN	29800012
Raymond Keilman	Merrillville, IN	29800023
Terry A. Kendall	Jeffersonville, IN	29800006
David Lauer	Indianapolis, IN	29800021
Tod A. Mohr	Roanoke, IN	29800011
Stephen C. Noelle	Mt. Vernon, IN	29800013
Brian Resenbeck	Ft Branch, IN	29800018
Charles Selfe	Bruceville, IN	29800019
Donald Smith	Des Plaines, IL	29800014
Scott Sumerford	Lafayette, IN	29800017
Peter M. Wagenaar	New Carlisle, IN	29800015
Richard Wavering	Monticello, IL	29800010
Mark A. Weston	Lafayette, IN	29800016
Dewey Witte	Valparaiso, IN	29800022

NORTHWEST CHAPTER OF ISPLS AWARDS SCHOLARSHIP GRANTS

The Northwest Chapter of ISPLS has awarded scholarship grants to five (5) students who currently are enrolled in land surveying courses. The grants were given in varying amounts to Jamison Cullen, Sean Englert, Steve Jones and Donald Williams, who are Civil Engineering Technology/Construction Technology students at Purdue University Calumet, and to Keith Van Wienen, who is a Construction Technology student at Purdue University - North Central. All of the grant recipients also work for land surveying firms within Northwest Indiana in addition to attending college.

The students were formally introduced to the chapter at its regular meeting on Thursday, October 8, 1998, and each student received a certificate which was presented by the chapter's Scholarship Committee. Additionally, Ms. Mary Ann Bishel, Financial Aid Director at Purdue University Calumet, made a brief presentation on the importance of financial aid to today's college student.



Northwest Chapter Scholarship Awardees: (Front left to right) Steven Jones, Keith Van Wienen, President John Saylor. (Rear left to right) Jamison Cullen, Donald Williams, Sean Englert, Chairman John Bullock.

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ISPLS BOARD OF DIRECTORS MEETING HIGHLIGHTS

by Dianne Bennett, Executive Director

July 11, 1998

The ISPLS Board of Directors held a meeting on Saturday, July 11, at ISPLS headquarters. President Miller called the meeting to order at 10:00 a.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.

Officers Activity Report - Dan Woo reported that he had heard a rumor of some potential unhappiness with ISPLS concerning its actions within the Joint Society Governmental Affairs Committee. After some discussion by the board, Dan and Rick Miller stated that they would investigate and see if there was anything substantial to this and report back to the board at its next meeting.

Chapters - Central Indiana Chapter - Mike Huter reported that the next meeting will be held July 21, 1998 at the office of HNTB.

Hoosier Hills Chapter - The chapter held a joint meeting on June 23, 1998 with Initial Point Chapter to hear Dr. Speth's presentation, with about 22 people in attendance. The next meeting will be August, at which time Perry Cloyd will give a follow up to Dr. Speth's presentation and a brief explanation of the upcoming goal-setting session to be held with Dr. Speth.

Initial Point Chapter - The chapters next meeting is scheduled for the last Wednesday in August. The chapter will once again be sponsoring the ISPLS picnic in Brown County on September 26, 1998 and is issuing a call for volunteers to help with the various contests and events.

Northwest Chapter - There was a meeting held on Thursday, June 11, 1998. The topic of discussion was surveyor location reports (mortgage surveys) and the guest was a title company representative who was discussing the fact that many lenders and title companies are moving away from the requirements of a surveyor location report. No meetings are scheduled for July and August. They will be discussing when to schedule the joint meeting with St. Joseph Chapter for Dr. Speth's presentation.

Southwest Chapter - Bill Clark reported that the chapter met on July 7, 1998 and elected Dennis Helms as President, Danny Leek as Vice President and Stu Hein as Secretary/Treasurer.

Tecumseh Chapter - The chapter had a meeting in June with the topic being the Tippecanoe County GIS. They will be having a meeting on July 16, 1998 with the guest being a representative of Stallard and Schuh, a Lafayette title company, who is expected to speak on the fact that many lenders and title companies are moving away from the requirements of a surveyor location report.

No chapter reports were received from Northeast, St. Joseph, Wabash Valley and the Purdue and Vincennes Student Chapters.

Convention Coordination - Bill Clark announced that they had commitments from Wendy Lathrop and John Keen to be speakers at the convention.

Education - Dianne reported that the ISPLS workshop co-sponsored with Northwest Chapter and the Civil Engineering Department of Valparaiso University on Friday, July 10, 1998 at Valparaiso University on "The Application of TR-55 and Retrofit-

ting Stormwater Storage Facilities" had 29 people registered. Rich Hudson commented that he had attended and felt that it had been a very good program, and could potentially be repeated at another location in the state. The speakers were Anthony J. Kenning and Stuart G. Welsh.

Ethics - The committee has scheduled a meeting for July 17, 1998 at headquarters. There had been no activity since the last meeting.

Business Management - Dianne will be meeting with the accountant to review the 1997/1998 fiscal year on July 28 and 29, 1998.

Government Affairs - Rick Miller announced that Gary Kent had been in touch with Tom Dinwiddie on both the issue of the Indiana Department of Environmental Management revisions to Article 3 (allowing engineers to design local sewer systems without IDEM review, but requiring plans for local sewer systems prepared by land surveyors to be reviewed by IDEM) as well as the Indiana State Board of Health proposed revision to rules which may affect the land surveyor's ability to design commercial on-site septic systems. We have not heard back from Tom on this to date. It appears that our case might be weaker in regards to commercial on-site septic systems, since it is questionable at this point whether we ever did have specific legal authority to do this.

Dianne reported that the Indiana Lobby Registration Commission will be conducting an audit of ISPLS's 1997 report of lobbying activity. She believes this is just a routine random audit. She has contacted Tom Dinwiddie and will be sending the requested information in to the registration commission.

Hoosier Surveyor - Dianne reported that she is working on the next issue and the deadline for all articles is July 17, 1998.

Membership - A motion was made and passed to accept the new applicants: Member - Fred Luester, Jerry Carter (reinstate); Junior - Jason Copperwaite; Student - Todd Starr, Jon Pyke; Membership changes: Bill Nielson (Member to Associate), David Wooley (Associate to Student), Nora Stephenson (Student to Associate), Kevin Krull (Student to Junior), Dustin Ballard (Student to Junior), Troy Smith (Student to Junior), Glen Boren (Student to Junior), and Greg Kissel (Student to Junior).

Bob Gross announced that Agency Associates may have a proposal to bring before the board in time for its August meeting.

Dianne reported that the second mailing for membership renewals will go out the week of July 13, 1998. Rick Miller commented that our total number of members had increased about 6 1/2% since last year, but with less than 50% of all surveyors registered in Indiana being ISPLS members, we still had a challenge ahead of us.

Professional Practice - The committee held a meeting on June 6, 1998 after the board meeting that same day to discuss the proposed mentor program. Several board members attended and gave their input. Rick Miller reported that in reference to a request

...continued Page 7

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MINUTES

...Continued from Page 5

received last month from a surveyor who is currently before the board of registration to help him with a review of his survey plats, member had been in touch with him since the last board meeting.

Public Relations - Ron Wharry reported that three copies of the New Jersey video we partnered on the profession of land surveying have been sold. He suggested that he put an ad in the Hoosier Surveyor to see if there is more interest in purchasing any more copies, and the board concurred with that idea.

Publications/Library - The library has been boxed while the new carpet is installed.

Ad Hoc Committee Reports

Technicians - The committee held a meeting July 10, 1998 at headquarters.

Bill Clark announced that there was a NSPS/ACSM Level I & II pre-exam review workshop planned for October 17 at I.U.P.U.I.

ISPLS Grants - The committee was scheduled to hold an organization meeting July 11, 1998 after the board meeting.

Society Liaison Reports

Indiana State Board of Registration - The Government Affairs Committee submitted three recommendations on candidates to fill John McNamara's seat on the Indiana State Board of Registration. The candidates are Rich Hudson, John Schneider, and John Saylor. A motion was made and passed to authorize Rick Miller to send a letter of recommendation to the Governor on behalf of ISPLS for one of these three candidates to be appointed to the opening on the board of registration.

The board of registration has established a web site on the Internet. The web site address is <http://www.ai.org/pla/index.html>.

Indiana Surveyors Historical Society - Rich Hudson mentioned that the Surveyor's Rendezvous will be held September 17-19, 1998.

GIS/LIS - The contract for Phase II of the Indiana High Accuracy Reference Network has been awarded to Woolpert, LLC and fieldwork is in progress. All data is projected to be in the hands of the National Geodetic Survey by December 31, 1998.

Old Business - In response to a question, Rick Miller reported on the issue of Marion County refusing to accept sewer plans signed by land surveyors in direct violation of state law. We thought we were finally at a point where we had the support to reverse their position, but the city attorney has gotten involved and put a hold on this. Tom Dinwiddie is still working on this.

New Business - The board had a long discussion on the issue of lenders and title companies deciding to not require surveyor location reports (mortgage surveys). It was decided that a task force of several members will be formed to investigate this and to try and respond in some fashion. The task force will send a letter to chapters to find out what areas of the state are currently working under this policy.

The board heard a report that a fire had occurred at the Starke County Surveyor's office and that all the records held there have been destroyed. It was suggested that copies of some of these records may be available from Emil Beeg or Dick Buckingham.

Announcements - The next board meeting will be August 15, 1998 at headquarters.

August 15, 1998

The ISPLS Board of Directors held a meeting on Saturday, August 15, 1998, at ISPLS headquarters. President Miller called the meeting to order at 10:04 a.m. The minutes and treasurer's report were reviewed and approved.

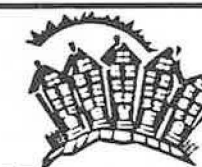
Staff Activity Report - A written report was submitted and reviewed. The report is stated under individual topics listed below.

Chapters - Central Indiana Chapter held a meeting on July 21, 1998 at the office of HNTB. The topic was a general discussion and follow-up to Dr. Speth's presentation at an earlier meeting.

Initial Point Chapters next meeting is scheduled for August 26, 1998. The chapter will once again be sponsoring the ISPLS picnic at Brown County on September 26 and is calling for volunteers to help with the various contests and events. The chapter will sponsor a workshop on Friday, October 30 at Indiana University Southeast in New Albany. The speaker will be Gary Kent and the topic will be "Minimum Standards Detail Requirements for ALTA/ACSM Surveys."

Northwest Chapter has no meeting scheduled for July and August. Their next meeting will be September 10. They are discussing when to schedule the joint meeting with St. Joseph

...continued Page 9



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MINUTES

...continued from Page 7

Chapter with Dr. Speth's presentation. The chapter will be awarding five grants to students at Purdue-Calumet and Purdue-North Central totaling \$1500.00 dollars.

Southwest Chapter - Dennis Helms reported that the chapter met on July 7, 1998 and elected Dennis Helms as President, Danny Leek as Vice President and Stu Hein as Secretary/Treasurer with Alvin Paul continuing to coordinate the 1999 convention.

St. Joseph Chapter met the week of August 3, 1998 with the speaker being John McNamara on the topic of the new subdivision ordinance in St. Joseph county.

Tecumseh Chapter - Dan Pusey reported that the chapter had a meeting on July 16, 1998 with the guest being Mike Schuh of Stallard and Schuh, a Lafayette title company. Mr. Schuh spoke on the fact that many of the larger lenders are moving away from the requirements of a surveyor location report. He also mentioned that he still prefers the practice of having them done. The next meeting will be August 20, 1998 with a speaker from the local Area Plan Commission.

Wabash Valley Chapter will meet at Kokomo on September 16, 1998 with Pat Cunningham scheduled to speak.

No reports were received from Hoosier Hills, Northeast and the Purdue and Vincennes student chapters.

Convention Coordination - (1999 Convention) Bill Clark announced that they would be meeting in the next few weeks to further finalize plans for the convention.

(2000 Convention) Doug Herendeen reported that he is looking at having a joint convention with Ohio and Kentucky. In the event this does not happen, Hoosier Hills Chapter is looking at locations in French Lick or Bloomington as a backup.

Education - Rich Hudson reported that ISPLS will be sponsoring a workshop at Brown County State Park on October 2, 1998. The topic will be the Public Land Survey System.

Ethics -The committee held a meeting August 14, 1998 at headquarters. The committee forwarded recommendations to the board on five cases. The board had a lengthy discussion about the public's perception as to the scope of the committee's responsibility when a member of the public is reporting a potential violation for investigation. Perry Cloyd reported that as they dealt with several cases this year it became apparent that what the person initiating the complaint expected was for the committee to offer a second opinion on the accuracy of the survey, and to subsequently take action against the surveyor. In reality, this volunteer committee does not have the time or resources to conduct a detailed analysis of any survey and render an opinion unless it is completely obvious from the plat that substandard work is being done. The board's general direction to the committee was that they should develop a first response letter to be sent with the complaint form and a copy of the code of ethics to the person making a complaint. The letter would explain the general process of how the committee would deal with the complaint, and also indicate that the proper avenue for complaints on matters of survey may be a civil lawsuit or a complaint to the board of registration through the Attorney General. The letter should also explain that we have no legal authority to sanction in any way a surveyor who is not an ISPLS member. It was also the general consensus that the committee would be willing to give a cursory review of the complaint and provide the complainant with

a limited recommendation of specific parts of the registration act which the surveyor may have violated by letter with a carbon copy to the offending surveyor.

On the five cases, the following action was taken. Case 98-001 was deemed to involve confusion about contract language and differing opinions concerning matters of survey and theory of location. No action was recommended, with a letter of response being sent to the complainant explaining the reasons. Case 98-002 was resolved by a member of the committee working with the parties, and no action was recommended. Case 98-003 involved use of the ISPLS logo in advertising. A response letter supporting the use of the logo in advertising except when the advertising contained any mention of price or price discounts was recommended and will be sent. Case 98-004 involved numerous violation of Rule 12 standards, potential ethics violations and potential violations of the legal survey statute. The offending surveyor is not a member of ISPLS. A motion was made and passed to send a letter to the complainant suggesting a complaint be made by the complainant to the Attorney General for violations of the Rule 12 standards was made. The letter will be cleared with Ron Hansell first. Case 98-005 involved a surveyor practicing while his license was suspended. A motion was made and passed to send a letter to the complainant suggesting a complaint be made by the complainant to the Attorney General for violations of the registration act. The letter will be cleared with Ron Hansell first.

The committee also recommended that ISPLS open a dialogue with the Attorney General and the registration board to help establish an investigative process on Rule 12 violation complaints. A motion was made and passed to send a letter from the ISPLS president to the Attorney General to start a discussion about the investigative process. The committee also recommended ISPLS start a process to identify qualified members to provide mentoring services, which has already been started under the Professional Practice committee. The committee also recommended that ISPLS assist the board of registration in publishing the results of board of registration actions, which is apparently already underway with the board of registration establishing a home page on the Internet and also by a member of the public calling the Consumer Protection Agency to see if a complaint has been filed. Rick will write a letter to the board of registration suggesting that notices of their actions against a surveyor be published in the legal notices section of that surveyor's local newspaper and he will also check with Ron Hansell to determine our liability if we published it in the event the board of registration would not. The committee also recommended that ISPLS request information from other state's board of registration to assist our board in implementing the above recommendations, but, no action was taken.

Business Management - ISPLS received a letter from the United Way of Central Indiana acknowledging a donation made in the name of ISPLS to the Forever Fund Endowment by Circle Tower for renewing our lease on the headquarters office. Doug Herendeen also presented the board with the Wallington Asset Management report on our investment portfolio.

Government Affairs - The committee scheduled a meeting for Saturday, August 22, 1998 at headquarters. Gary Kent submitted an interim report on the committee's activities to date. They will be

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discussing plans for legislation in the 1999 session of the Indiana General Assembly. As to the ongoing issues which they are working on, Gary reported the following: 1) The sewer design issue with the City of Indianapolis is still unresolved, however they are still continuing to work with their contacts to effect a change. 2) The IDEM sewer design issue will probably require a legislative fix, and they will be discussing that further in their upcoming meeting. 3) The legal drain design issue concerning county surveyors has resulted in a great deal of confusion with some of the other professional societies thinking we were trying to usurp engineering work. Rick Miller will send a letter to the CEI board requesting to address them at their next board meeting on September 11, 1998. Rick, Dan Woo and Gary will attend and try to clarify the situation and enlist their support in a legislative fix. The board also continued an ongoing discussion on the Indiana State Board of Health proposed revision to rules which may affect the land surveyor's ability to design commercial on-site septic systems. Tom Dinwiddie has researched this and it appears that our case is weak in regards to commercial on-site septic systems, since it appears we never did have specific legal authority to do this. This will be passed along to the committee for review at their upcoming meeting, but given it would take new legislation expanding our authority into an engineering field and our current situation with CEI it appears we have little chance of fighting this effectively.

Hoosier Surveyors - The next issue should be mailed and received shortly.

Membership - After discussion a motion was made and passed to give a free Junior membership expiring in June 1999 to Anthony Kenning in lieu of a speaker's fee for the Northwest Chapter seminar in July. A motion was made and passed to accept the new applicants: Junior - Phillip A. Simcich, DeAnn L. Dorogi, Wallace Speer, Anthony J. Kenning; Student - Jeffrey B. Fields. Membership changes: David R. Boblitt, II (Associate to Junior) and Nathan D. Gray (Student to Junior).

Bob Gross announced that Agency Associates has made a proposal which would offer errors and omissions insurance, business insurance, workman's compensation insurance, and disability insurance. The committee needs to review the proposal before bringing it before the board. Rick asked that the committee investigate whether ISPLS could join with ACSM in offering a package.

Dianne reported that the third mailing for membership renewals went out the week of August 17, 1998 and that the committee held a meeting on August 4, 1998 at headquarters.

Nominations - The committee hopes to have a slate of candidates for President elect by August 21.

Public Relations - Doug Herendeen reported that the proposal for a marketing study by students at the University of Indianapolis will be reviewed when classes start in late August, and they should be able to let us know by Labor Day if it has been accepted.

Publications/Library - The board held a lengthy discussion about surveyors who may wish to donate their files upon retirement or death. The discussion revolved around scanning the material onto a compact disk in order to preserve it. The committee will be charged with researching this further.

Scholarship - A financial report on the Peggy Archer Memorial scholarship fund at Vincennes University as of June 30, 1998 was reviewed by the board.

ISPLS Survey History - A written report was received from Brad Ott indicating that a letter had been sent to all chapter presidents requesting a list of people to be interviewed to preserve local survey history.

Technicians - A written report was received from Bill Clark. The credit for work experience program at Vincennes University is close to being ready. A review session for the ACSM Level 1-3 Technician exam will be held on October 17, 1998 at IUPUI. A questionnaire has been sent to a target group of private firms, and the committee is working on recommendations for next year's agenda.

ISPLS Grants - The committee scheduled a meeting August 15, 1998 after the board meeting. Perry reported that they had a rough outline on a mission statement, goals, operations and procedures and would continue to work on these. No requests have been received yet.

Indiana State Board of Registration - A letter was received from the governor thanking us for our recommendation of candidates for appointment to John McNamara's seat on the board of registration. No appointment has been made yet. Ross Holloway is also due for reappointment to the board.

Indiana Surveyors Historical Society - Rich Hudson reported that the Surveyor's Rendezvous will be held September 17-19, 1998.

NSPS Governor - Don Bengel reported that Alabama has passed a 6 year statute of limitations for surveyors and the North Dakota had decided against requiring a four year degree for licensure of surveyors. The next meeting of the NSPS Governors will be November 6, 1998 in Fort Worth. The NCEES changes to the registration exam are targeted for October of 1999, and it is something the board needs to review.

GIS/LIS - Dan Pusey reported that the field work for Phase II of the Indiana High Accuracy Reference Network has been completed and data reduction is in progress. Thomas Mahon has left HERPICC and the remainder of the project will be handled by Dr. van Gelder and Dan. All data is projected to be in the hands of the National Geodetic Survey by December 31, 1998. There was also some discussion as to the future of the office of the state geodetic advisor, but nothing has been resolved at this time.

New Business - Rick Miller mentioned an appeals court decision that held a two year statute of limitations for malpractice against a surveyor in Howard County.

September 26, 1998

The ISPLS Board of Directors held a meeting on Saturday, September 26, 1998, at Abe Martin Lodge, Brown County State Park, Nashville, Indiana. Secretary John Bauer called the meeting to order at 9:10 a.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.

Chapters - Central Indiana Chapter held a meeting on September 22, 1998. The topic was a discussion of county road records and other records available from the Marion County Surveyor's office presented by a member of the Marion County Surveyor's staff. The chapter also took nominations for 1999 officers and will be scheduling Dr. Speth for a goal setting session in November.

Hoosier Hills chapter had a meeting and set October 24, 1998 as the date for their goal setting session with Dr. Speth in Nashville.

Initial Point Chapter had a meeting August 26, 1998. The chapter is scheduling its next meeting for October 28, 1998. The chapter will sponsor a workshop on Friday, October 30, 1998 at Indiana University Southeast in New Albany. The speaker will be Gary Kent and the topic will be Minimum Standard Detail Requirements for ALTA/ACSM Surveys.

Northwest Chapter held its joint meeting with St. Joseph Chapter for Dr. Speth's presentation on September 10, 1998 with about twelve people in attendance. They are scheduling the goal setting meeting with Dr. Speth for November 14, 1998. The next meeting will be October 8 with a dinner to award five grants to students at Purdue-Calumet and Purdue-North Central totaling \$1500.00 dollars. The speaker will be from Purdue-Calumet.

Southwest Chapter met on September 23, 1998 and discussed the 1999 convention.

St. Joseph Chapter had its joint meeting with Northwest Chapter for Dr. Speth's presentation on September 10, 1998.

Wabash Valley Chapter met at Kokomo on September 15, 1998 with Pat Cunningham speaking on "Theory of Location". Attendance was around 22 people.

No reports were received from Northeast, Tecumseh and Purdue and Vincennes Student Chapter.

Convention Coordination - (1999 Convention) Bill Clark and Dianne discussed preparation for the Map/Plat contest (announcement in Hoosier Surveyor, chapter judging committee) for the convention..

(2000 Convention) Perry Cloyd asked the board for clarification on the report at the August 15 board of directors meeting by Doug Herendeen that he is looking at having a joint convention with Ohio and Kentucky with Hoosier Hills Chapter sponsoring the convention in French Lick or Bloomington as backup. Perry stated that the chapter was at a standstill in their planning until they had a firm commitment from the board that they should go ahead. Dianne indicated that he had discussed this with Doug and that they had come to the conclusion that the joint convention might actually be proposed for 2001. Doug is to research this and contact the chapter with an answer.

Education - Dianne reported that the ISPLS Fall workshop on "The History of the Public Land System" at Brown County State Park on October 2, 1998 had 62 people registered as of Friday, September 25, 1998. Also the 1999 fall workshop would be held at the Canyon Inn, McCormick's Creek State Park, Spencer, Indiana on October 8, 1999.

A letter was received from the Illinois Professional Land Surveyors Association requesting ISPLS review the content of a seminar they are sponsoring October 26-31, 1998 with Walt Robillard as the speaker and approve a number of Professional Development Hours for the seminar.

The committee will be meeting on October 16, 1998 at headquarters.

The board received a letter from the co-chairman of the committee recommending 6 PDH for the ISPLS Fall workshop on "The History of the Public Land System" at Brown County State Park on October 2, 1998 and 6 PDH for the "Minimum Standard Detail Requirements for ALTA/ACSM Surveys" workshop on

Friday, October 30, 1998 at Indiana University Southeast in New Albany. A motion was made and passed to award 6 PDH for each seminar as recommended by the committee.

Ethics - The committee will be meeting October 16, 1998 at headquarters. Perry Cloyd reported that the committee had received several new cases involving unlicensed individuals performing surveys. He also reported that Ron Hansell had reviewed his response letter to Case 98-004, had approved it, and that the letter would be mailed prior to the October 16 meeting. The letter listed apparent violation of Rule 12 which had been committed and recommended that the complainant pursue a complaint with the Attorney General. A general discussion was held on how the committee should proceed against complaints of unlicensed individuals performing surveys, but the issue was not resolved and will be discussed further in the next committee meeting. Perry also brought up an advertisement by a forester in the directory of professional foresters in which he offers surveying and mapping services. It was felt that the advertisement would be okay if properly phrased to indicate that they are only doing timber surveying or mapping. Case 98-005 was discussed relative to the fact that the prior board motion to send a response letter to the complainant was not valid due to the fact we received the complaint from an anonymous person through Rich Hudson and therefore had no person to respond to. The case was to be further discussed by the committee before deciding how to proceed.

Business Management - Dianne reported that she had received the year end financial statement for the 1997/1998 fiscal year. The board held a short discussion on the statement.

Government Affairs - The committee had a meeting on September 1, 1998. An e-mail was received from Gary Kent, chair, detailing his latest contact on the City of Indianapolis Sewer Plans issue and the CEI/County Surveyor issue. The sewer design issue with the City of Indianapolis is still unresolved, however they are still continuing to work with their contacts to effect a change. Gary has a meeting scheduled with CEI's Executive Director to discuss the confusion surrounding the legal drain design issue concerning county surveyors, clarify the situation, and enlist their support in a legislative fix. Rick Miller also reported by e-mail that our only legislative goal for the upcoming session will be enabling legislation for IDEM to exempt sewer plans prepared by land surveyors for IDEM review. He also reported that the County Surveyors Association will be proceeding with the drainage design legislative fix which we have been discussing for several years, as well as an increase in recording fees to go to the corner perpetuation fund in each county.

Hoosier Surveyor - The articles for the next issue need to be submitted by October 15, 1998. The next issue will be mailed November 15, 1998.

Membership - Twenty-eight membership applicants were reviewed. During board review of the applicants it was determined that one applicant for a student membership may not actually be a student. A motion was made and passed to accept the 27 new applicants: Member - Michael S. Shade, Charles E. Selfe, Dewey L. Witte, Martin H. Badgley (reinstate); Associate - Mitzie L. Noreika; Junior - Rob A. Costin, Robert A. Wilcoxon, John D. Whiteside, Walter A. Evans (reinstate); Student - Lawrence N.

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Batta, Andrew J. Bauer, Christopher D. Coons, James R. Stokes, Jennifer L. Mackey, James a. Elithorp, Jr., Bryon J. Motszko, Constatine K. Msemakweli, Christopher B. Howell, Brent A. White, Michael W. Stevenson, James S. Swift, Rebecca Y. Bunch, Reynee A. Rondot, David M. Bufink, Ginger Michalski. Membership changes were: Don E. Bishop (Associate to Junior) and Gary L. Ahlberg (Associate to Member).

Bob Gross announced that Bob Hutt of Agency Associates will make a proposal which would offer errors & omissions insurance, business insurance, workman's compensation insurance, and disability insurance to the board at its October 24, 1998 meeting.

Dianne presented the board with a list of delinquent members and reported that she will be removing delinquent members from the membership list Monday, September 28, 1998. She also presented the board with a membership summary for the last eight years. The summary shows that the membership has grown steadily each year from a total of 375 member in 1991-1992 to a total of 584 members in 1998-1999. Also reported that she had received a request from the Illinois Professional Land Surveyors Association to furnish them with mailing labels of ISPLS registered members so that they can send a flyer on a seminar they are sponsoring October 26-31, 1998 with Walt Robillard as the featured speaker. A motion was made and passed to furnish mailing labels of ISPLS Indiana registered members to the Illinois Professional Land Surveyors Association.

Nominations and Elections - A letter was received from Les Weber dated August 1 in which Les submitted his resignation from the nominations & elections committee. A letter was received from David Blankenbeker, chairman of the committee, nominating Les Weber as the sole candidate for President-Elect. Also received was a request from President Rick Miller asking that the board nominate Tony Gregory for President-Elect. The ballots are to be mailed October 1, 1998. The board held a lengthy discussion concerning Rick's nomination. The by-laws are very specific that nominations can come from the nominating committee or by a petition signed by 25 members. Although every member of the board certainly supported Tony as a candidate, and believed that he would have no problem getting 25 members to sign a petition nominating him, and also supported the concept that we should have at least two candidates on the ballot, it was very difficult for the board to accept a nomination not in accordance with the by-laws. After further discussion a motion was made and passed to accept the nomination of Les Weber for President-elect and to decline the nomination of Tony Gregory due to his nomination not being made by the proper procedure under the by-laws.

Public Relations - Dianne has been contacted by Mi'Chelle Bettner, one of the students from the University of Indianapolis assigned to the ISPLS marketing project. The project will be completed October 31, 1998 and the students would like to make a presentation of their study to ISPLS on October 31 between 8:00 a.m. and 12 noon. Doug Herendeen has sent a letter to the chairman of the committee asking that he and several members of his committee attend along with some members of the board of directors. Perry Cloyd volunteered to be one of the board repre-

sentatives, and the general assumption was that Rick Miller and Doug Herendeen would be the other board representatives. Since neither of them was in attendance, the board will discuss this at the October 24, 1998 meeting to determine board representatives.

Scholarship - The board members received an invitation to attend the Vincennes University Foundation's 1998 Foundation dinner to be held September 30, 1998 at Vincennes.

University Cooperation - Rich Hudson reported that Tony Gregory had discussed an agenda with Steve Johnson and they had agreed to cancel a proposed October 16, 1998 meeting due to a lack of items needing discussed.

Technicians - Bill Clark reported that the committee met September 18, 1998. The credit for work experience program at Vincennes University was discussed with the Board of Registration by Bill and he felt the Board of Registration was not supportive of the 35 hours credit being proposed. Bill is thinking it may have to be scaled back to the 100 series classes (about 6 hours) to be acceptable to the Board of Registration for exam acceptance purposes.

The review session for the ACSM Level 1-3 Technician exam will be held October 17, 1998 at IUPUI. They will evaluate whether to repeat it after they see what the attendance is.

ISPLS Grants - Perry Cloyd reported that he had attended a grant proposal seminar and he had handed out material from the seminar to committee members. They will be scheduling a meeting to discuss the material. Perry indicated that the organization that put on the seminar publishes a catalog of foundations willing to give matching grants and that it was a fairly large number of foundations in the catalog. He indicated that after review by the committee, they may want to bring back the discussion of the creation of an ISPLS Foundation in order to qualify for some of these matching grants.

County Surveyors - John Stephens reported that the County Surveyors Association had held a meeting in South Bend on September 14, 1998. Topics included were section corner perpetuation and GPS. A lot of the county surveyors expressed an interest in GPS, and John felt that ISPLS could help by providing technical support. Several county surveyors might join together to jointly purchase GPS equipment. The next meeting will be in the Spring of 1999 at Purdue Road School.

Indiana State Board of Registration - The board held a discussion on several issues relating to the board of registration. The status of continuing education, the proposed increase in educational requirements for admittance to the licensing exam, and the proposed Fall 1999 revision of the NCEES licensure exam were all discussed. John Bauer will talk to Rick Miller and ask him to check with Wes Day about this and report back to the ISPLS board. Bill Clark indicated that he had attended a board of registration meeting recently and that they were not in favor of the new NCEES format. Don Bengel will discuss this with Tony Gregory and also with the chairman of the NSPS Board of Governors to get a feel for what actually is happening.

NSPS Governor - Don Bengel reported that the NSPS Governors will be meeting November 5 or 6, 1998 at the ACSM Fall Convention in Fort Worth.

Announcements - The next board meeting will be October 24, 1998 at headquarters.

NCEES REVIEWS LICENSING EXAM

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

In essentially every United States licensing jurisdiction, the professional land surveyor who is performing a boundary analysis is charged to follow the footsteps of the original surveyor.

Sounds easy. Just haul out the deed, mark the ground, and plot the drawing.

As any experienced surveyor knows, however, it's never quite that simple. Often, analyzing a boundary requires complex office and field maneuvers that, in the best case, lead to a clear and obvious conclusion and, in the worst scenarios, develop into a series of questions so nebulous that only a boundary line agreement can terminate the matter.

Further complicating the issue is the fact that while technological advances may ease the burden of traditional office and field chores, those same advances require surveyors to routinely expand their education and continually stretch their pocketbooks.

The National Council of Examiners for Engineering and Surveying is fully aware of the surveyor's dilemma. Since NCEES is charged by the professional community to help us prepare each new generation of surveyors, it is critical for NCEES to stay on top of developments in the industry.

At the same time, the public expects that those who pass the requisite combination of state and national examinations are prepared to immediately step into service.

The challenge for NCEES, then, is to make certain that those who pass are prepared for both the present and the future. The newly licensed surveyor must be able to perform his or her duties today, but he or she must also be qualified to accept ever-progressing changes in the surveying and mapping arena.

To gather critical information for the development of its Fundamentals of Land Surveying and Principles and Practice of Land Surveying examinations, NCEES relies upon its Professional Activities and Knowledge Survey (PAKS).

This year, a PAKS questionnaire was distributed to 5,000 practicing land surveyors, covering each United States licensing jurisdiction. Respondents were asked to prioritize the activities and knowledge that they determined as being necessary for public protection at the outset of the surveyor's career. The first part of the study identified 76 activities under headings such as project management, research, measurement and locations, computations and analysis, legal principles and reconciliation, land planning and design, documentation, and land information systems.

Survey respondents were asked to rate the importance of each activity in protecting the welfare of clients and the general public.

Independently, study participants were asked to rate each activity for level of competence needed at the time of licensure, and they were asked to separately indicate the relative amount of time that they had spent on each activity over the past three years.

The second phase of the PAKS survey focused on broad areas of knowledge. Again, respondents were asked to rate each 20 topics with regard to its respective level of importance in protecting the welfare of clients and the public.

General knowledge areas included algebra and trigonometry, higher mathematics such as analytic geometry and linear algebra, probability and statistics, basic science, geodesy and survey astronomy, computer operations and programming, written and verbal communication, cadastral law and administration, boundary law, business law, management, economics and finance, surveying and mapping history, field data acquisition and reduction, photo or image data acquisition and reduction, geographic communication and mapping, plane survey calculations, geodetic survey calculations, measurement analysis and data adjustment, geographic information systems and concepts, land development principles, and survey planning procedures.

The third section of the questionnaire asked respondents to rate several areas of specific surveying knowledge with respect to their importance in public welfare and client protection.

Included were ethics, record sources, effects of riparian rights on boundaries, sovereign land grants, effects of encroachments, title deficiencies, elements of topographic maps, GPS operations, geoid, ellipsoid, and orthometric heights, error analysis, instrument operations, construction plan interpretation, project cost development, vegetation identification, forensic surveys, and site planning.

A previous PAKS was conducted in 1991. As NCEES explained this fall, developments in technology over the past six years have significantly affected the practice of surveying.

Much effort went into the development of the latest questionnaire. Information was culled from past NCEES task analyses and from

studies performed by the states of Colorado, Florida, and Michigan. The 1995 California Occupational Analysis of Land Surveyors was also helpful.

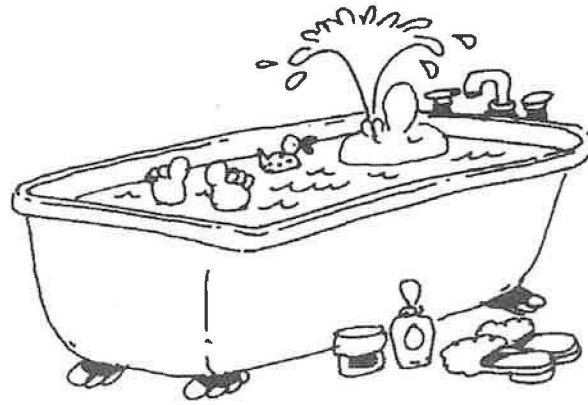
Additionally, NCEES consulted a group of surveying professors from programs recognized by the Accreditation Board for Engineering and Technology. The NCEES PAKS committee was chaired by Peter M. Jorgensen, P.E., L.S.

Results of the questionnaire will be tabulated this winter, with the committee report expected in the spring. The remainder of 1998 will be used for examination development, with administration planned for April 1999.

NCEES President Steven T. Schenk, P.E. explained to each PAKS participant, "The purpose of the study is to ensure that the questions on the national licensing examinations are accurately

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YEAR 2000 PROBLEM: WHAT DOES IT MEAN FOR YOU OR YOUR BUSINESS?

The "year 2000 problem" has been mentioned frequently in the news and periodicals, but what exactly is it?

In the early 1970's many banks, securities firms, and insurance companies had mainframe computers. These companies discovered that when trying to calculate information involving dates that spanned the period before and after December 31, 1999, unexpected errors were being generated.

The problem? The years had been recorded in the computer program as two digits instead of four, e.g. '98 instead of 1998. (The two digits were used to save memory space, which in the early days of computers, was quite expensive.) The computers were having difficulty determining in which century to place the two-digit year designation. The computer would read the year 2000 as the year 1900. Although the problem has been around for quite some time, there is still no easy solution.

The year 2000 problem not only affects large computers in a few companies, it also affects personal computers (PC's)...

Why is this so important? The year 2000 problem not only affects large computers in a few companies, it also affects personal computers (PC's) and any software application with a two-digit year field instead of a four-digit field. This may include accounting software, computer operating systems, programs that run VCR's, time-controlled vaults, and hundred of other types of date-dependent electronic equipment and programs.

To complicate matters, older computers have an added problem. They have a special hardware chip called a BIOS, which among other things, tells the computer what time, day, month, and year it is. Since the chips are a built-in program, they can't be reprogrammed, and can't recognize dates past December 31, 1999. This means the chips will read the year 2000 as 00 and conclude it is January 1, 1900. Others, because of the manufacturing design, may default to the year 1980 or 1984. The only way to solve the problem is to remove the chip and replace it with a correctly programmed one.

What to do? First, check the instructions that come with your PC, or contact your vendor to find out if your hardware and software are 2000 compliant. If not, or you are unsure, run a test by changing the setup data in your computer to December 31, 1999, a few minutes before midnight, and see what happens when the date changes to the new year. Does it say January 1, 2000; January 1, 1990; or some other default date? (To change the setup data, check the instructions or contact your vendor.)

There is some good news: Most newer computers have a flash memory chip that can be reprogrammed to be year 2000

compliant. But, a new chip may not be the answer to all the problems. Even if you have changed your computer's BIOS internal clock to January 1, 2000, there is no guarantee your applications will accept the new date. You may want to run another test that includes running some date sensitive applications (e.g. home finance applications) with test information to see how it will deal with the new date. It may be fine, or you may discover some files get saved to a default date.

Help can also be found on the Internet; free software (called "freeware") is available to help run tests. To get such software, search for the following programs on the Internet: (key word: freeware) DOSCHK, 2000Test, 2000Fix, and Year2000.

Don't wait until the last minute to start checking your systems to see if they are year 2000 compliant. December 31, 1999 is quickly approaching, and you don't want to get caught in the last minute crunch to get help if you find you are not compliant.

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testing the relevant areas of knowledge in the practice of your profession."

Regardless of the amount of time spent personally in a given area of practice, respondents were asked to consider the overall importance of that topic and the point at which we must all be competent in that area. The questionnaire thereby took into account the fact that although our basic knowledge must be greater than our specialized area of activity, much of our skill is gained through career-long education.

The surveying community is fortunate that such thoughtful care is given to the development of NCEES examinations. By participating in the PAKS, surveyors practicing today have left footprints for the surveyors of tomorrow. Neither we nor the public could ask for anything more.

Wendy Woodbury Straight has been owner of Woodbury Surveying in Dunkirk, N.Y., for the past 15 years. She is also the editor of "Progress and Perspectives" newsletter. E-mail straight@cenews.com.

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INDIANA SOCIETY OF PROFESSIONAL LAND SURVEYORS

4rd Annual Map/Plat Competition

Evansville, IN - January 13-15, 1999

OFFICIAL ENTRY FORM

The 1999 ISPLS Map/Plat Design Competition is now open for entries.

This will be a juried contest. A maximum of two maps per style and category will be selected and exhibited at the Annual Conference in Evansville, IN. Entries must be submitted by a member of ISPLS. Entrants need not be members of ISPLS. A member of ISPLS must sponsor the map, plat, or project under consideration and their name must be so noted on the nomination form. The entry must have been completed after June 30, 1998 and may not have previously been entered in any state or national contest. The entry may be freehand, machine drafted, or computer drafted.

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

be entered as a single sheet. All entries must be postmarked by December 31, 1998. Use one entry form per document submitted.

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

Categories

1. Subdivision Plats ☐
2. Boundary/Cadastral Maps ☐
3. Topographical Maps ☐
4. ALTA/NSPS Survey Maps ☐
5. ILTA/Miscellaneous Maps ☐

(Only one Category may be checked)

Submit entries with this to:

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

(Use one entry form per document)

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

ISPLS Member Sponsoring Map: _____

Entrant's Name: _____

Company or Institution: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (Work) () (Home) () _____

No fee to enter

Title of Entry: _____

Description of Project: _____

Name and address of Nominator if other than entrant.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (Work) () (Home) () _____

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

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

Signature _____ Date: _____

Let the Buying Power of the ISPLS Help to Reduce Your Company's Telephone Expenses

We first introduced you to the ISPLS Discounted Telephone Program more than two years ago. During this time, many of you have elected to take advantage of this Member Benefit.

Those who signed up for this valuable benefit have been rewarded -- not only with high quality long distance service but also with a decrease in overhead costs. The feedback that we have received from these members has also been overwhelmingly positive.

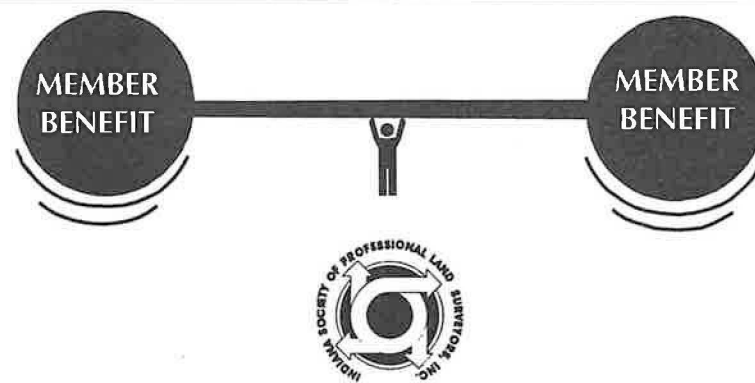
If you have not yet elected to participate in this program we encourage you to find out how you too can reduce your company's overhead through this ISPLS Member Program, administered by Eclipse Communications.

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.

Eclipse representatives will give you an honest, unbiased evaluation of your current system and calling patterns. They will also counsel you about whether severing a term contract to which your company has already committed with a carrier will ultimately save you money.

Find out how to reduce your company's overhead immediately through the ISPLS Discounted Long Distance Telephone Program. **Call Eclipse today at 800-342-9287** and ask for a free written comparative analysis of your phone usage.

Let the power of ISPLS help you **SAVE** on your company's long distance bill!



Thanks to ISPLS's group buying power, you are automatically entitled to significant discounts on your company's long distance expenditures. The ISPLS Long Distance Member Benefit Program offers access to discounted rates for all ISPLS members. Enjoy Guaranteed Flat Rate Pricing; Significantly Lower Rates; and Unprecedented Personalized Service.

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 _____

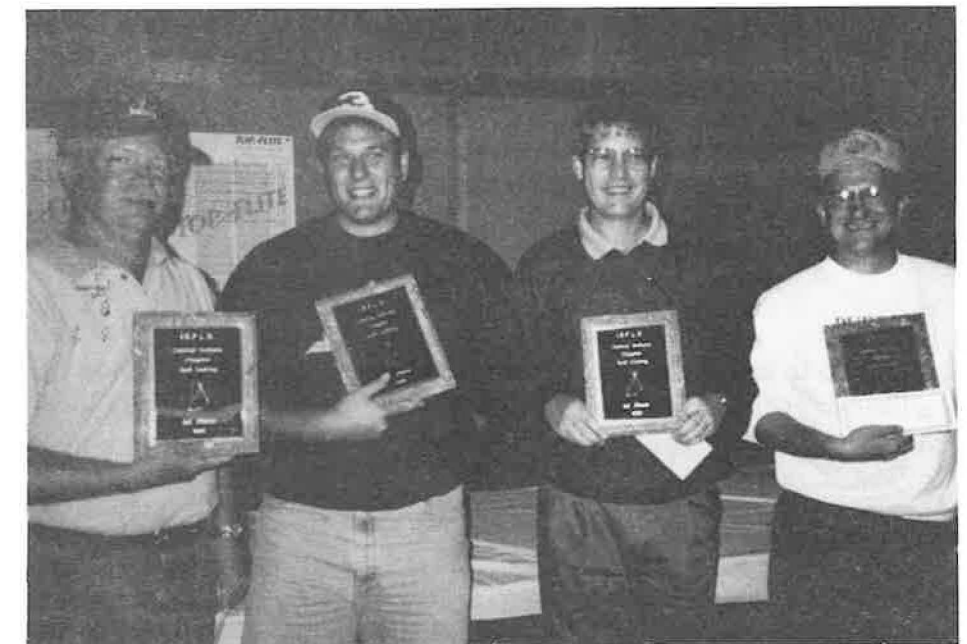
CENTRAL INDIANA CHAPTER GOLF OUTING

Links Golf Club, New Palestine, Indiana

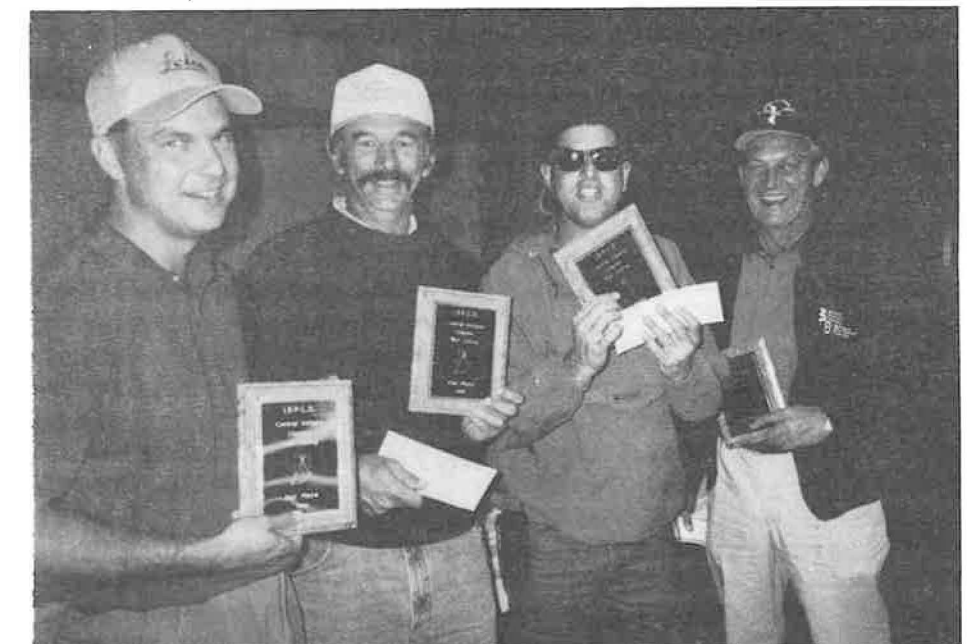
The second annual C.I.C. golf outing was held on Friday, October 2, 1998, at the Links Golf Club. Sixty-six golfers/surveyors enjoyed a beautiful sunny October afternoon. Congratulations go out to this year's winning team from Projects Plus, Inc. of Jeff Smith, Vince Barr, Scott Tucker, and Ken Zumstein. The second place team from Bridge Span Co. was Brad Ott, Tom Arland, Jerry Ott, and Jeff Ernest. The real winner is the scholarship fund which received approximately \$1100.00. The C.I.C. chapter would like to thank all who participated as well as the following hole sponsors:

Bridge Span Co.
Schneider Corporation
Projects Plus, Inc.
USI Consultants
Hickerson Instrument Co.
Lee Miller Surveying
Magnails by ChrisNik
Benchmark Surveying
G. Lengemann Co.
Stoeppelwerth & Associates
Weihe Engineering
HNTB
Accu-Air Surveys
Seiler Instruments
RQAW
J.D. Wiggins & Associates
UPS

Special thanks to USI Consultants and the G. Lengemann Co. for sponsoring this year's beverage cart. Next year's event has already been scheduled for **Friday, October 1st**. Mark this date on your calendar. If you are interested in being part of next year's event please contact: Joel Frost @ The G. Lengemann Co. 317-542-7673 or Greg Garrison @ RQAW Corporation 317-255-6060.



This year's winning team from Projects Plus, Inc., Jeff Smith, Scott Tucker, Ken Zumstein and Vince Barr.



The second place team from Bridge Span, (L to R) Brad Ott, Jeff Ernest, Tom Arland, and Jerry Ott.

1999 ANNUAL CONVENTION
Hosted by the Southwest Chapter of ISPLS
JANUARY 13 - 15, 1999 •RADISSON HOTEL • EVANSVILLE, INDIANA

PRELIMINARY PROGRAM
Wednesday, January 13, 1999

1:00 PM Board of Directors Meeting
2:00 PM Registration Opens
5:30 - 7:00 PM Cocktail Party in Exhibit Hall
7:00 PM Board of Directors Dinner Mtg

Thursday, January 14, 1999

7:00 - 8:00 AM Past Presidents Breakfast
8:00 AM Registration
Exhibit Hall Opens

8:30 - 10:00 AM **LSIT Review**
John Keen

Theory of Location-Back to Basics
Gary Kent

8:30 - 11:45 AM **Surveyors' Issues**
Representatives from:
INDOT
DNR
State Board of Health
IDEM

10:15 - 11:45 AM **LSIT Review**
John Keen

10:15 - 11:45 AM **Playing By The Rules**
(Complying with Rule 12)
Gary Kent

12:00 - 1:30 PM LUNCH

1:30 - 3:00 PM **Old Fences & Property Lines**
John Keen

Indiana HARN
David Doyle, NGS
Boudewijn van Gelder

1:30 - 3:00 PM **Theory of Location-Back to Basics**
Gary Kent

3:30 - 5:00 PM **ISPLS Annual Business Meeting**

6:30 - ??? **Banquet/Awards**

Friday, January 15, 1999

7:00 - 8:30 AM **PAC Breakfast**
8:00 AM Registration
Exhibits Open

8:30 - 10:00 AM **LS Exam Review**
John Keen

Hydrology for Surveyors
Jeff Healy

Legal Research for Surveyors
Wendy Lathrop

10:15 - 11:30 AM **LS Exam Review**
John Keen

Hydrology for Surveyors
Jeff Healy

Legal Research for Surveyors
Wendy Lathrop

12:00 - 1:30 PM LUNCH

1:30 - 3:00 PM **Astronomic Observations**
John Keen

Hydrology for Surveyors
Jeff Healy

FEMA Issues
Wendy Lathrop

1999 ANNUAL CONVENTION
Hosted by the Southwest Chapter of ISPLS
JANUARY 13 - 15, 1999 •RADISSON HOTEL • EVANSVILLE, INDIANA

Friday, January 15, 1999

3:15 - 4:45 PM **Astronomic Observations**
John Keen

Hydrology for Surveyors
Jeff Healy

FEMA Issues
Wendy Lathrop

Host Hotel

Radisson Hotel
600 Walnut Street
Evansville, IN
Phone: 812-424-8000
Toll Free: 800-333-3333
Please try to book your room before 12/29/98 to take advantage of the special room rates. Remember to identify yourself as a member of ISPLS.

SPOUSE PROGRAM

Thursday, January 14, 1999

9:30 - 12:00 Noon Tour of Downtown Evansville
Enjoy an introduction to Evansville history at the Pagoda, then relax on the bus for a narrated driving tour of the Riverside Historic District. Stop at the Old Courthouse for an architectural tour, then on to the Evansville Museum of Arts & Science for a guided tour, then on to the Evansville Museum of Arts & Science for guided tour of exhibits on river and rail transportation, fine art, science and history.

12:30 - 2:30 PM Lunch & Tour of Reitz Home Museum
Enjoy a lunch of Victorian-period foods in the Carriage House, then tour this French Second Empire home, built in 1871 by a wealthy lumber baron. This 17-room residence features stained glass windows, hand painted ceilings, ornate plasterwork, and many of the original furnishings. It will leave you breathless!

Friday, January 15, 1999

9:00 - 10:00 AM Audubon Museum Tour
Audubon State Park includes a museum with family memorabilia and a collection of original artworks by famed naturalist John James Audubon, as well as a nature center with a wildlife observation area and a museum store.

10:00 - 12:00 Noon Newburgh Shopping Trip - Tour of Sunburst Glass Company
Tour the Sunburst Glass studio and see first-hand the intricate work involved in making and restoring stained glass. Then enjoy free time to browse through antique shops, art galleries and craft stores in the downtown Newburgh historic district on the Ohio River.

12:00 - 1:00 PM Lunch at Jungle Mornings Coffee House
Newly renovated coffee house specializing in gourmet coffee & desserts.

1:00 - 2:15 PM Shopping at Franklin Street Antique Mall
Located in historic building, this mall has three floors packed with antiques, collectibles, crafts and Amish wares.

2:30 - 3:30 PM Rose Marie's
One of the Midwest's largest collectors galleries, Rose Marie's features all major collectible lines.

TECHNICAL SUPPORT FOR THE COMPUTER

The following excerpts from a Wall Street Journal article by Jim Calton originated on the net. They all deal with problems support staff have received from clients. (Reprinted from The Link, October 1998, Volume 21-4.)

(1) Compaq is considering changing the command "Press any key" to "Press return key" because of the flood of calls asking where the "Any" key is.

(2) ST Technician support had a caller complaining that her mouse was hard to control with the dust cover on. The cover turned out to be the plastic bag the mouse was packaged in.

(3) Another Compaq technician received a call from a man complaining that the system wouldn't read word processing files from his old diskettes. After trouble-shooting for magnets and heat failed to diagnose the problem, it was found that the customer labeled his diskettes then rolled them into the typewriter to type the labels.

(4) Another AST customer was asked to send a copy of her defective diskettes. A few days later a letter arrived from the customer along with Xeroxed copies of the floppies.

(5) A Dell technician advised his customer to put his troubled floppy back in the drive and close the door. The customer asked the tech to hold on, and was heard putting the phone down, getting up and crossing the room to close the door to his room.

(6) Another Dell customer called to say he couldn't get his computer to fax anything. After 40 minutes of troubleshooting, the technician discovered the man was trying to fax a piece of paper by holding it in front of the monitor screen and hitting the "send" key.

(7) Another Dell customer needed help setting up a new program, so a Dell tech suggested he go to the local Egghead. "Yeah, I got me a couple of friends," the customer replied. When told Egghead was a software store, the man said, "Oh, I thought you meant for me to find a couple of geeks."

(8) Yet another Dell customer called to complain that his keyboard no longer worked. He had cleaned it by filling up his tub with soap and water and soaking the keyboard for a day, then removing all the keys and washing them individually.

(9) A Dell technician received a call from a customer who was enraged because his computer told him he was "bad and invalid". The tech explained that the computer's "bad command" and "invalid" responses shouldn't be taken personally.

(10) An exasperated caller to Dell Computer Tech Support couldn't get her new Dell computer to turn on. After ensuring the computer was plugged in, the tech asked her what happened when she pushed the power button. Her response "I pushed and pushed on this foot pedal and nothing happens. "The foot pedal" turned out to be the computer's mouse.

(11) Another customer called Compaq tech support to say her brand new computer wouldn't work. She said she unpacked the unit, plugged it in, and sat there for 20 minutes waiting for something to happen. When asked what happened when she pressed the power switch, she replied "What power switch?"

(12) True story from a Novel Netwire Sys Op:

Caller: "Hello, is this Tech support?"

Tech: "Yes, it is. How may I help you?"

Caller: "The cup holder on my PC is broken and I am within my warranty period. How do I go about getting that fixed?"

Tech: "I'm sorry, but did you say cup holder?"

Caller: "Yes, it is attached to the front of the computer."

Tech: "Please excuse me if I seem a bit stumped, it's because I am. Did you receive this as a part of a promotional, at a trade show? How did you get this cup holder? Does it have any trademark on it?"

Caller: "It came with my computer, I don't know anything about a promotional. It just has 4X on it."

At this point the Tech Rep had to mute the caller, because he couldn't stand it. The caller had been using the load drawer of the CD-ROM drive as a cup holder, and snapped it off the drive!

F.Y.I.



ISPLS New Fax Number: (317) 687-5053

ISPLS Web Site Address: <http://www.ispls.org/ispls/>

ISPLS E-Mail Address: ISPLS@aol.com

Indiana State Board of Registration Web Site Address: <http://www.ai.org/pla/index.html>

A ROOM WITH A VIEW

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

One of the questions I get almost every time I talk to someone about OSHA violations and the resulting penalties is "What is it going to cost me?" My standard response is almost always "Somewhere between nothing and a whole lot of money." Although there is a specific fine structure, it has many variables and admittedly is administered quite differently from case to case in all of the jurisdictions. One of the more severe forms of "punishment" that is available to OSHA appears to be getting more use. I am referring to the use of Criminal Penalties, both monetary and incarceration. Let's look a little further into a recent case to see how it may apply in one of your sites.

Although the case we are looking at deals with a specific construction accident, this same scenario could occur in your company.

In August 1996 an Indiana based steel erection contractor was working on a project in Ohio. An employee fell 26 feet to his death during a metal roof decking operation. OSHA's investigation uncovered that at least 5 employees were working on the edge of the deck at different times without fall protection. The company was cited by OSHA in January of 1997 for two willful violations with a proposed penalty of \$140,000.00. OSHA also referred the case to the Justice Department for possible criminal prosecution.

On July 15, 1998, the Justice Department indicted the company. The indictment alleges that through the actions of its site foreman the company obstructed justice by falsely stating to OSHA investigators that fall protection was in place prior to the accident. The company, and its supervisor, were also charged with two counts of obstructing justice by intentionally instructing witnesses to withhold information about the lack of fall protection. (An addendum to the Press Release indicates the foreman has already plead guilty to making false statements.)

Charles Jeffries, OSHA administrator adds "The indictments returned today in Ohio emphasize the importance of worker safety in this country. We want to assist employers in providing that safety for their employees, however, during the course of our investigations we will not hesitate to refer a case to the Department of Justice for possible criminal prosecution."

Okay...so how might this affect a surveyor in Indiana? Suppose you have an accident resulting in serious injury or even a fatality. Let's also say the employee was violating OSHA workplace safety regulations and that was a regular practice in your company. Knowing that proper precautions weren't taken, your site crew leader intentionally lies to the compliance officers during an investigation. (Maybe the crew leader is protecting himself and maybe he is just trying to protect you.) The foreman also tells other employees to lie...or even under the worst case you might actually tell a small untruth. You never know how you or your employees

might react during an investigation. In our case you would be dealing with the trauma of a serious injury or even death of a fellow employee. That causes enough emotional problems...and then come the OSHA compliance officers to do an investigation. Or in other terms, to find out what your company did wrong. If the act

that caused the injury was an obvious violation and other employees tell the compliance officer it happens on a regular basis; but you or your foreman tell them it doesn't happen...

Enough of this...Do you get the point? This is not an impossible situation and in fact is a probable situation in a lot of companies. You might honestly not know something was being done wrong, but the implication is there.

In the case of the Indiana contractor, it will take quite sometime for a conclusion. I hope a serious injury or accident never occurs on your crews...but if it does you just better hope you don't have an employee named Linda and a local prosecuting attorney whose last name is Star...there are no Rooms with a View.

"The indictments returned today in Ohio emphasize the importance of worker safety in this country. ..."

The Hitchhiker Mentality

With this thumb, a hitchhiker says: "You furnish the car, supply the gas, attend to repairs and upkeep, pay for insurance and licenses and I will ride with you. But, if you have an accident, I will sue you for damages." Sounds pretty one-sided. There are some association members who appear to say: "You go to the meetings, you study the issues and contact the legislators and do anything that needs to be done. Let me know what's going on and I will go along for the ride." "If things don't suit me, I'll complain, ridicule, and probably get out and hitchhike with another group." Don't be an association hitchhiker...get involved today.

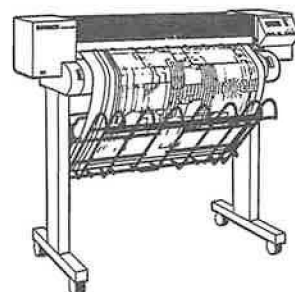
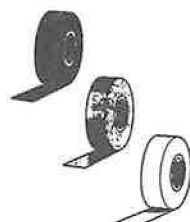
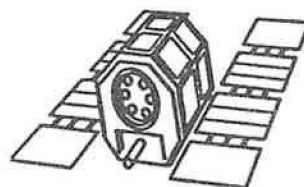
Reprinted from the CELSOC Update, Jan. '97, Volume 5-4.

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1998 2nd ANNUAL ISPLS PICNIC

by Stephen Marshall

The second annual ISPLS picnic was held on September 26th at Brown County State Park. Forty-nine were in attendance, including surveyors from across the state, as well as their families and friends. As with last year, the weather was perfect and the food was excellent, thanks to the cooking talents of Kirk McCauley and family.

The majority of the events held were very competitive, however no one dared challenge board of directors member, Bob Gross, in the chain throw. Other events and winners are listed as follows:

Event	Winner
New Instrument Setup	Kirk McCauley
Old Instrument Setup	Mark Gardner
Chain Throw	Bob Gross
Pacing	Kirk McCauley
Angle Guess	Ron Wharry
Tree Identification	Kirk McCauley
Unique Instrument Display	Vic McCauley
Horseshoes - Singles	Steve Marshall
Horseshoes - Doubles	Steve Marshall & Todd Jones

It also should be noted that Purdue student, Kevin Krulik finished a close second in the Pacing competition, and 92 year old Nelson Prall, of Bedford, finished in sixth place in the Old Instrument Setup. There were also several children's events which were enjoyed by the youngsters who were present.

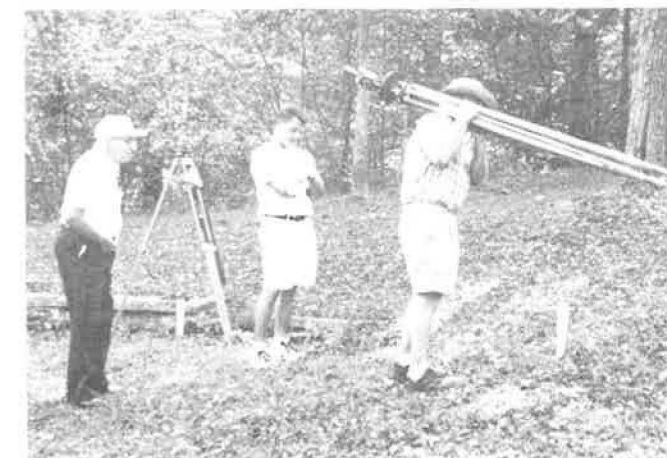
A large assortment of door prizes were given away, thanks to a variety of donors and sponsors. A special thanks goes to all of those who donated gifts and/or money towards the picnic effort including:

The Initial Point Chapter of ISPLS
The Central Indiana Chapter of ISPLS
The Hoosier Hills Chapter of ISPLS
Accu-Air Surveying
Agency Associates
AMK Instrument Co.
Allen Precision Equipment
C.C. Filson Co.
City Blue Print Co.
Ellerbusch Instrument Co.
Harrison Marker Co.
Hayes Instrument Co.
Hickerson Instrument Co.
G. Lengemann Co.
Seiler Instrument Co.
Spectra-Physics
Sterling Systems and Consulting
United Parcel Service
Zaenker Surveying Essentials

Thanks again to these firms and chapters for their support, and to the individuals who helped plan the picnic and participate in the setup and cleanup at the park. Plans are already being made for the Third Annual Picnic which will be held at Brown County State Park September 11, 1999. Hope to see you there!!!



LOOKS GOOD! Kirk McCauley judges an Old Instrument Setup the ISPLS Picnic as Tom Boofter, Ron Wharry, Nelson Prall and others look on.



READY! SET! GO! Nelson Prall looks on as Steve Marshall prepares to time Vic McCauley in the Old Instrument Setup competition at the ISPLS picnic. McCauley finished 3rd place in the event.

CALENDAR

November 20, 1998
Indiana State Board of Registration for Land Surveyors Meeting,
Government Center South, Indianapolis

December 5, 1998
ISPLS Board of Directors Meeting, Time 10:00 a.m., Headquarters

December 9 or 16, 1998
Wabash Valley Chapter Meeting, Time & Place TBA

December 18, 1998
Indiana State Board of Registration for Land Surveyors Meeting,
Government Center South, Indianapolis (Tentative)

January 13, 1999
ISPLS Board of Directors Meeting, Radisson Hotel, Evansville, IN

January 13-15, 1999
ISPLS Annual Convention, Radisson Hotel, 600 Walnut Street,
Evansville, Indiana, Phone: 812-424-8000

February 3-6, 1999
KAPS Annual Conference, Bowling Green, Kentucky.

February 4-6, 1999
PLSO Annual Conference, Dayton, Ohio, Marriot

February 10-13, 1999
IPLSA Annual Conference, Holiday Inn, Moline, Illinois

March 5, 1999
ISPLS Spring Workshop, Topic: ALTA/ACSM Land Title Sur-
veys, Speaker: Gary Kent, PLS, Holiday Inn & Central Indiana
Conference Center, Lebanon, Indiana

March 13-18, 1999
ACSM Annual Convention & Exhibition, Portland, Oregon

September 11, 1999
ISPLS Picnic, Brown County State Park

September 24-26, 1999
Surveyors Rendezvous, Luray, Virginia

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

November 9-11, 1999
ACSM GIS/LIS' 99, Los Angeles, California

WELCOME NEW ISPLS MEMBERS



July 11, 1998

Jerry Carter - Member Reinstate
Jason Copperwaite - Junior
Fred Kuester - Member
Bill Nielson - Member to Associate
Jon Pyke - Student

August 15, 1998

DeAnn Dorogi - Junior
Jeffrey Fields - Student
Anthony Kenning - Junior
Phillip Simcich - Junior
Wallace Speer - Junior

September 26, 1998

Lawrence Batta - Student
Andrew Bauer - Student
David Bufink - Student
Rebecca Bunch - Student
Christopher Coons - Student
Rob Costin - Junior
Christopher Howell - Student
James Elithorp, Jr. - Student
Jennifer Mackey - Student
Ginger Michalski - Student
Bryon Motszko - Student
Constantine Msemakweli - Student
Mitzie Noreika - Associate
Reynée Rondot - Student
Charles Selfe - Member
Michael Stevenson - Student
James Stokes - Student
James Swift - Student
John Whiteside - Junior
Robert Wilcoxon - Junior
Dewey Witte - Member
Brent White - Student

SUSTAINING MEMBERS

THANKS FOR YOUR CONTINUED SUPPORT

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Okeana, OH 45053
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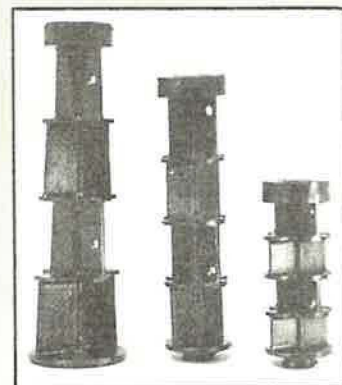
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