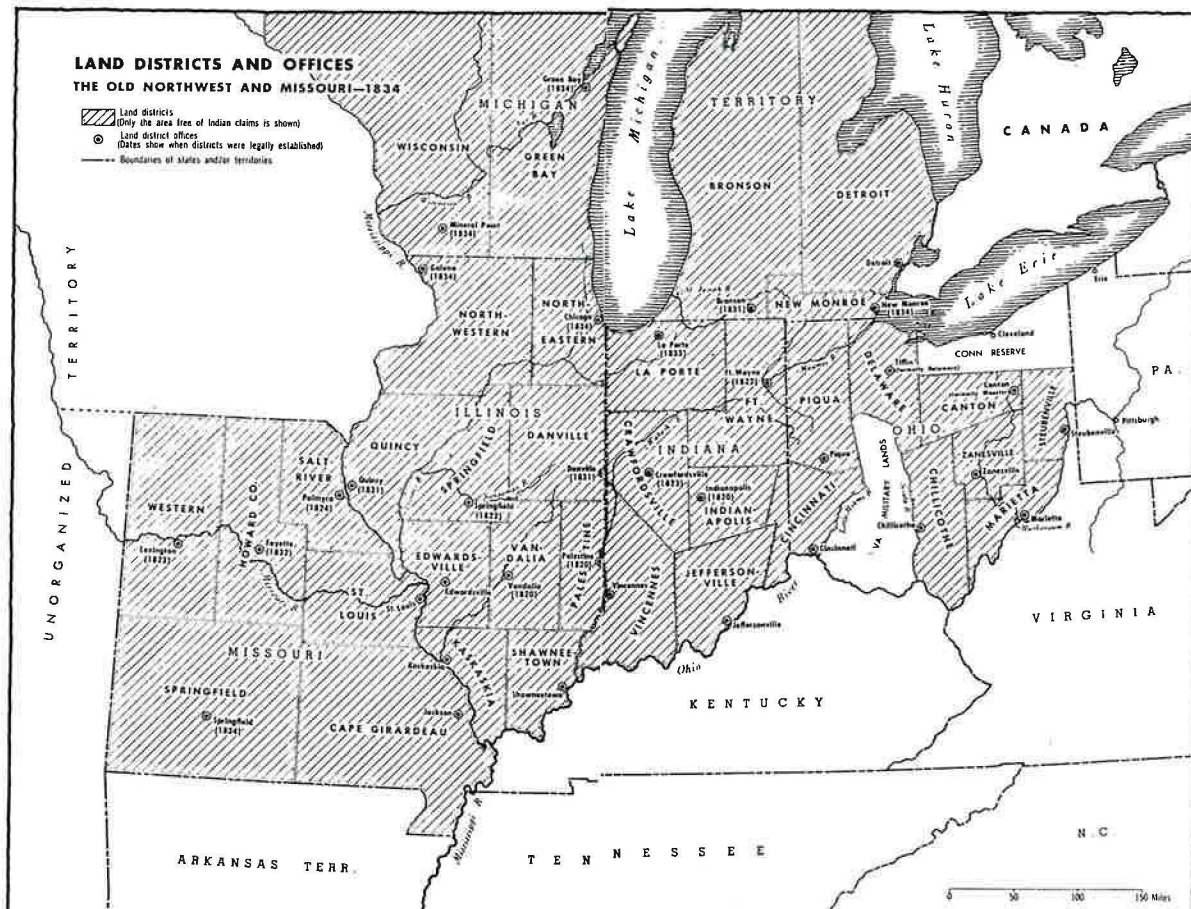


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WINTER 2001



The Old Northwest and Missouri - 1834

(See Page 14 & 15)

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VOLUME 27 NUMBER 3 WINTER 2001

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PRESIDENT'S THOUGHTS

by Anthony Gregory, Hobart Indiana



Let me start out by saying what an honor and privilege it is for me to serve as President of ISPLS in 2001. I pledge to all society members that I will give this task my all, and that I will attempt to further the goals and mission of the society. I pray for guidance and strength to get the job done.

of members to registrants is obviously too low and needs to be increased. I do not want to concentrate on just professional membership, but also on Associate, Affiliate, and Student membership. It is said that "strength comes in numbers". We can only get stronger as our membership increases. Therefore, I'd like to ask each member to assist me in this effort by encouraging non-members to join the society. I'm sure that every one of us knows of a land surveyor, or land surveying technician, or land surveying student who should be an ISPLS member, but is not, for whatever reason. Let's bring some of these individuals into the society so that they and ISPLS can benefit. More on this as the year goes on.

An obvious focus of the 2001 Board of Directors will be the implementation of the Mandatory Continuing Education Rule (now called Rule 13 - does that sound familiar, or what?). Many members have been asking good questions regarding this new requirement for license renewal, and believe me, ISPLS has many questions, too. Our Education Committee and our Society Liaison to the Indiana State Board of Registration will be working to help provide answers to these questions so that ISPLS can provide its members with as much assistance with this issue as possible. Look for a more comprehensive article regarding continuing education in the next issue of the Hoosier Surveyor.

In closing, I'd like to share with all of you the feeling of satisfaction I've had as I have called numerous society members over the past couple of months and asked them to serve on the various ISPLS committees for 2001. With so many enthusiastically accepting to serve, it became very obvious to me that there are many professionals who are working hard to uphold and advance the profession of land surveying.

Best wishes to all for a successful and productive 2001.

I'd like to thank Les Weber for an outstanding job as President in 2000. As a board member, I can attest to Les's hard work to make his year as President a success. His goal of having the society's web page upgraded and improved was achieved (those of you who were at the convention were able to see some first-hand evidence of that). Stay tuned as the web page becomes complete and more functional. Also, Les very efficiently presided over the society's business in a manner which made it enjoyable to be involved. Thanks, Les - good job!

I'd also like to thank those who served on the Board of Directors for 2000. Much was accomplished, and because of their hard work and dedication, I feel very comfortable as I come in as President that the society is in great shape.

Thanks and appreciation also needs to be passed on to the Wabash Chapter, the Northeast Chapter, and to the various committees who worked so hard in planning and organizing the January 2001 annual convention. The convention was a success in every aspect - attendance (approximately 400 full attendees), program (there were numerous interesting opportunities for continuing education), exhibits (the exhibit hall was great - thanks to all exhibitors), and just plain old fun (well, at least I had a good time!).

So, what about 2001? I have a couple of items that I hope to have accomplished by the end of the year. The first involves the definition of membership. Is there a difference between an ISPLS member and a member of one of ISPLS's local chapters? This is something which has bothered me for some time. A typical dictionary defines a "chapter" as "a branch of a society or fraternity". So, my question is, how can one be a member of a local chapter of ISPLS and not be a member of ISPLS itself? I am going to ask the Board of Directors and several of our committees (particularly the Bylaws Committee and Chapters Committee) to review this issue so that necessary revisions can be made to our bylaws and this obvious contradiction can be eliminated.

A second item of focus for my tenure as President will be to increase our membership. According to the State Board of Registration records, there are approximately 940 active land surveyors registered in Indiana. ISPLS has 400 Professional Members. This ratio

ISPLS BOARD OF DIRECTORS MEETING DATES

DATE

LOCATION

February 24, 2001	Headquarters
March 31, 2001	Headquarters
May 12, 2001	Headquarters
June 23, 2001	Headquarters
August 4, 2001	Headquarters
September 15, 2001	Headquarters
October 26, 2001	TBA
December 8, 2001	Headquarters
January 23, 2002	Marriott - Indianapolis

ILTA and ISPLS Abandon 1970 Land Title Survey Minimum Standards

by Gary Kent, Zionsville, Indiana

On December 12th 2000 the Board of Directors of the Indiana Land Title Association voted to rescind the Minimum Standard Detail Requirements for Indiana Land Title Surveys which were adopted in 1970. The Indiana Society of Professional Land Surveyors Board of Directors took the same action on January 17th.

This action was the result of a number of factors that have developed over the last few years.

First of all, the ILTA/ISPLS Standards have not been revised since they were first adopted in 1970. A discussion that started over a year ago regarding revisiting and updating the standards lead to the realization that a mutually acceptable set of standards would resemble the Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys. Those standards have kept pace with the times by virtue of a number of revisions since their creation in 1962.

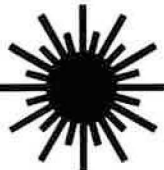
In addition, with the wide spread acceptance of the ALTA/ACSM standards (last revised in 1999), most lending institutions have started requiring that surveyors conduct their surveys to those

standards. Since many real estate loans are made by out-of-state banks, there is no knowledge of the Indiana Standards and, in fact, with the last few revisions to the ALTA/ACSM Standards, they now result in a more complete survey for title companies' use than the ILTA/ISPLS Standards ever did.

Title companies and lenders should now be asking for Surveyors to conduct their Land Title Surveys in accordance with the 1999 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys. The certification outlined in the standards is adequate for removal of the standard survey exception and the items outlined in Table A provide for additional, optional survey items that may be used by title companies in providing certain endorsements.

Anyone interested in reviewing or obtaining a copy of the ALTA/ACSM Standards may find them on the web at ACSM.net or at ALTA.org. Questions on the standards may be sent to Gary Kent at GKENT@SCHNEIDERCORP.COM

Standards were also published in the 26-3 Winter 2000 Hoosier Surveyor.



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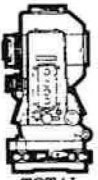
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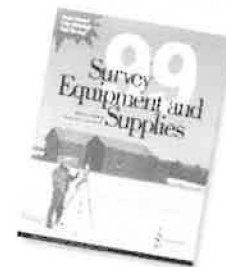
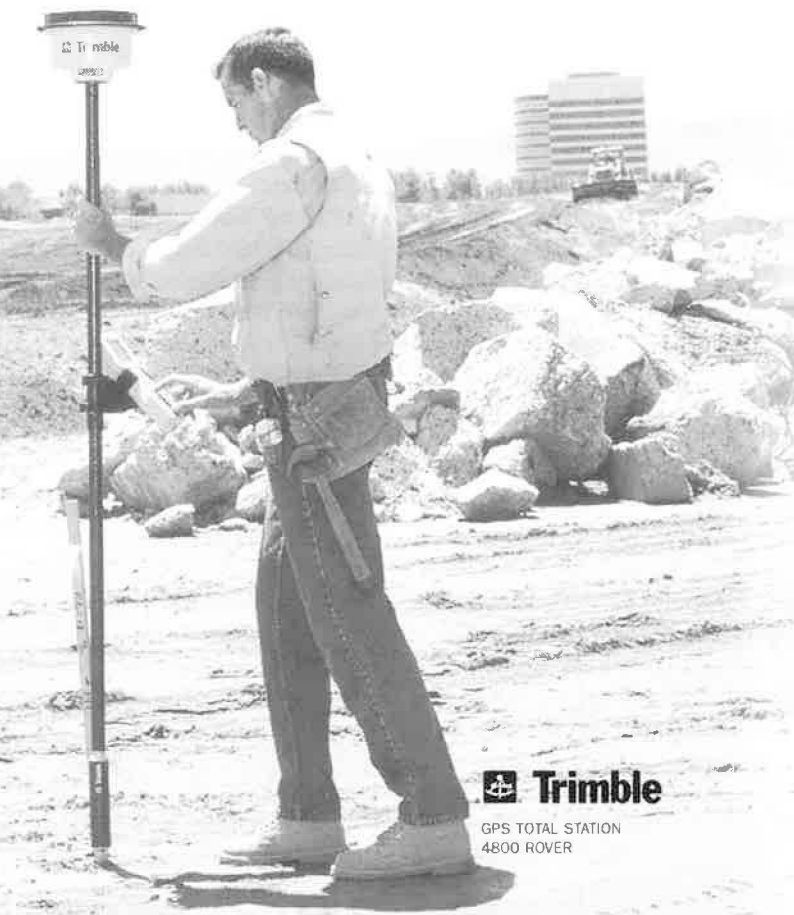
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ISPLS BOARD OF DIRECTORS MEETING HIGHLIGHTS

by Dianne Bennett, Executive Director

October 28, 2000

The ISPLS Board of Directors held a meeting on Saturday, October 28, 2000 at headquarters. President Weber called the meeting to order at 9:14 a.m. The minutes and treasurer's report were reviewed and approved.

Staff Activity Report - A written report was submitted for board review. The report is stated under individual topics listed below.

Chapters - Northwest - The highway cleanup was successful. Their next meeting is November 19th. The chapter will also have a Christmas meeting.

Central Indiana Chapter - Rick Rayback reported that officers were nominated at the last meeting. The November 6 meeting was held at SOKKIA and featured a presentation by an underground utility company. The golf outing was a success with \$2500.00 raised for the scholarship fund.

Southwest Chapter - Their next meeting will be on November 14th in Evansville.

Hoosier Hills - The chapter held a meeting on October 19th in Seymour and discussed establishing guidelines for scholarship awards; establishing a spring seminar to be held 4/20, subject to be determined, to be held at Spring Mill State Park. Their officers were also elected.

Northeast - They held a meeting on October 12th with the Wabash Chapter concerning convention planning. Their elections will be held at the November meeting. They had four applicants for scholarship. The committee will meet to review these. The chapter have limited scholarships to students from their area of the state.

Initial Point - The ISPLS Picnic will be held October 27, 2001. There will also be a 4 hour seminar on Tree Identification held at that time.

Convention Coordination - John Stephens submitted a written report. Discussion was held to determine if we should restrict the number of registrants - limited space, especially for meals. A motion was made and passed to limit the registration. The 1st registration mailing will go out October 30th. The second mailing will go the second week of December.

Education - There was discussion about the convention seminars and approving the PDH credits for the seminars. A motion was made and passed to accept the committee's recommendation for PDH as assigned by the committee with a note regarding PDH values are recommended values and are subject to approval by various state boards.

Business Management - A new fax machine is up and running. Wallington Asset Management report was reviewed.

Port to Port presented a proposal for our web site. The committee will meet November 10th to hear a presentation from Port to Port.

Education - Continuing education seminars will need to be made more available to registered surveyors. Possible rotation of seminars around the state to make available to more.

Continuing Education will be backdated to August 1. The credits for the Valparaiso seminar could count towards the total hours needed for this renewal period.

The committee will meet November 10th at headquarters.

Membership - Application for membership were reviewed and approved. Professional Members: Charles Bevington, Ken Jackson, Leander Mehling, Reginald Timberlake, Eric White; Associate: Travis Summers; Student: Amanda Askren, Adam Berry, David Bufink, Ed Bukovac, David Devine, Jeremy Fireline, Joshua Foster, Justin Frazier, Jeffrey Glunt, Adam Greulich, Christopher Howell, Patrick Loeffler, Rusty Logan, Erin Loudermilk Kimberly Lutgring, Jason Miller, Linda Morris, Richard Oman, Philip Peden, Reuben Pillsbury, Michael Smith, Jessica Stapleton, Robert Zuzelski.

Public Relations - There was discussion about becoming active in school career days.

Grants - CICF requested a change in paragraph 4 of the agreement with them. The change was regarding the chair of the advisory board shall serve as the designated representative in all dealings with the foundation. A motion was made and passed to sign the agreement with CICF and ISPLS.

NSPS - There was discussion regarding the use of "Geomatics". Don Bengel reported that he has been "confronted" on this issue by a member. Some want to do away with the word surveyor and replace it with geomatics. Geomatics is a larger term involving not only surveying but also the fields of photogrammetry, cartography and mapping, and related fields. Academic people are for the change, and it is recognized worldwide. Perry asked if the geomatics term will make surveyors lose their ability to control their license. Don stated that we have always been struggling to define our identity as land surveyors and the change could further damage that identity. Concerns were stated about the loss of our identity and control that we have worked hard to establish. We need to promote pride in our profession as land surveyors. Europe and Canada have adopted that term and it is gaining some foothold in the U.S. There was a suggestion that we have a vote at the business meeting at the convention concerning this issue. We need to establish the correct definition of the term and present the facts for the opinion of the membership. It was suggested we state that we feel geomatics, in Indiana, is the foundation for the other disciplines, and not the umbrella under which they operate. Before we offer it to the general membership we need to establish exactly what is being proposed. Maybe passing out the information at the meeting and have discussions, maybe not take a vote until all the facts are known.

Trig Star test are being sent out.

The next meeting will be in Providence in December.

Old Business - Members of other state societies may attend our conference at member rates.

New Business - Perry Cloyd stated that the local chapters should look at non-profit status, if they want to petition for grants from the foundation. A memo will be sent to chapters to request their federal i.d. number, current by-laws, articles of incorporation, list of members and list of officers. As it now stands, the foundation can not disperse funds to chapters unless they are non-profit. This does not affect any of the scholarships now affected and established.

...continued Page 7

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MINUTES

...Continued from Page 5

November 18, 2000

The ISPLS Board of Directors held a meeting on Saturday, November 18, 2000 at ISPLS headquarters. President Weber called the meeting to order at 9:01 a.m. The minutes and treasurer's report were reviewed and approved.

Staff Report - A written report was submitted for board review. The report is stated under individual topics listed below.

Chapters - Wabash Valley is working on the 2001 Convention.

Northeast Chapter will be meeting in the next two weeks for election of officers.

Northwest Chapter held a meeting November 14th to plan the Christmas celebration. Also, the Planning Commissioner of Porter County discussed subdivision design and monumentation. The chapter will choose a slate of officers for the December elections.

Central Indiana Chapter held a meeting on November 6th at SOKKIA. There was a presentation by utility investigations company which was quite impressive and informative.

Convention Coordination - Students will help with registration at the convention. Purdue on Wednesday and Vincennes on Thursday. They will also help with seminar check-ins, etc. The committee will meet to assemble the convention packets on January 6th.

The 2002 Convention may be hosted by CIC or Northwest Chapter. Possible locations to consider are Marriott downtown or Adam's Mark at the airport. Advantage of Marriott is unlimited space. We expect larger turnout due to mandatory/continuing education. A motion was made and passed to choose the Marriott downtown for the 2002 convention.

Education - A motion was made and passed that the ISPLS Board not attempt to provide a service to members to track continuing education hours except as required by the Board of Registration for society sponsored events.

Rick Miller suggested that ISPLS should send a notification to all registered surveyors in the state of Indiana concerning mandatory continuing education. The document should be posted on the web site and also mailed. Rick will compose the letter. Cost would be minimal, printing/mailling estimated to be +/- \$800. This will not be a plug for ISPLS, but a public service. The Professional Licensing Agency may also notify them, but it could take months. Much discussion followed. It was noted that it should be clear that notification is a service of ISPLS separate from the Board of Registration. A motion was made and passed to prepare a letter after passage of the law, for mailing to all registered land surveyors in Indiana.

The breakdown on the workshop held on September 29th at Brown County State Park was presented to the BOD.

Government - ISPE is concerned with IDEM's sewer design certificate form. They have talked with Rick Miller regarding this and now wants to know how ISPLS stands on this matter and if ISPLS will join them in getting this form revised. Copies of the form before and after have been sent to Agency Associates for their opinion. They forwarded the form on to Safeco for their opinion. Safeco's response was that it would negate the Professional Liability coverage of engineers and surveyors if they are required to sign this form.

Hoosier Surveyor - The Fall issue went to the printer on

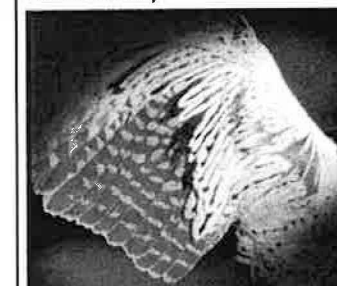
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November 6th.

Nominations - Nominations for directors are: Rich Hudson, Chuck Coyle, Ron Wharry, John McNamara, Gordon Bell and Don Bengel.

Membership - Applications for membership were reviewed and approved. Professional Member - Harold Smith, Marston Fowler, Jr.; Firm - Rayl Surveying & Engineering, Inc.

Survey History - This committee may be dissolved. It was created as an ad hoc committee and its purpose may be complete.

NSPS - The Trig Star state application form has been paid and mailed.

Old Business - The Business Management committee met with Port-to-Port about updating and hosting our web site.

New Business - A new award was named the Polaris Award. It will be given at the President's discretion. The wording will be sent to Dianne for a new plaque to be made.

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NSPS GOVERNOR'S REPORT

by Donald Bengel, PE-PLS, Valparaiso, Indiana

Great Lakes Regional Council – National Society of Professional Surveyors – Delegate's Report – 2000

The Board of Governors and The Great Lakes Regional Council met twice in 2000: Little Rock, Arkansas in March and Providence, Rhode Island in December.

The Council is composed of the following states: Illinois, Indiana, Iowa, Michigan, Minnesota, New Jersey, New York, North Dakota, Ohio, Pennsylvania, South Dakota, Wisconsin, Canada, and Montana. The name of the Council is somewhat misleading. Originally membership was composed of those states abutting the Great Lakes. However, the by-laws were amended to allow any state that is adjacent to a member state could become a member of the Council. The purpose of the Council is to address concerns that affect member states.

Montana became a member in December, 2000.

It appears that slowly more states are adopting Mandatory Continuing Education. Many of the states that do not have mandatory continuing education have a voluntary program.

Two of the Council members are also members of the NAFTA committee for ACSM. They stated that the meetings of the NAFTA group are progressing but at a slower pace due to the language difficulties.

There was discussion of the term "geomatics". In your delegate's opinion, the only people that are pushing the term are the academic community. The comment was made that this was important in attracting prospective students to the surveying profession.

There was discussion on the restructuring of NSPS. The restructuring committee is working very hard on a final solution. A preliminary draft was presented to the Board of Governors but returned to the committee for additional work.

The next meeting of the Council will be at the ACSM meeting in Las Vegas on March 18, 2001. An attempt will be made to have the Council meet between sessions of the Board of Governors in order to address any issues of concern that are raised. The fall meeting will be in Texas in conjunction with the Texas Society's 50th anniversary meeting. This will not be an ACSM convention.

The Board of Governors met on March 17-18, 2000 and December 1-2, 2000.

The offices for ACSM were sold during 2000. This sale allowed ACSM to save money on a headquarters facility, pay off the mortgage, pay NSPS part of the debt and will permit ACSM to

be debt free in the near future. Curt Sumner has done an outstanding job as executive director of ACSM. Curt is a former Governor and Past-President of ACSM.

Two states, Alaska and New Jersey, have become full-state members of ACSM. Each state society has paid dues for every member of its Society at the rate of \$70 per member. New Jersey is deciding how long they will pay the dues until the dues can be shifted to its individual members. These cases are experimental for the short-term future.

The actions of Alaska and New Jersey are in response to the Restructuring Committee Preliminary Report and the attempt of ACSM to increase membership. A possible scenario is to have a surveyor automatically be a member of the State Society, NSPS and ACSM. If all surveyors were members as such then the dues could certainly be much lower than they are at present. Every surveyor should consider the political influence of the profession if every registered surveyor were a member in ACSM.

The restructuring committee's original goal was to study the structure of NSPS. However, it has become evident that such a change would necessitate a change in the structure of ACSM. At the present time, each member organization is studying its own restructuring. Whatever the final changes ACSM will emerge a much stronger organization.

A motion was passed requesting NSPS have a committee report on the usage of the term "geomatics".

A motion was passed requesting NSPS to investigate and evaluate issues related to the transfer of credit for mandatory continuing education.

The Trig-Star Chairman, John Chagnon, reported that 80 individual sponsors and twelve states have purchased site licenses. James Mullen was the 1999 winner and Barbara Olivarez was the 1999 Trig-Star teacher. Indiana did submit a state winner to the national contest.

As I note in every report concerning NSPS, there are many surveyors making a great effort to support and advance the Surveying Profession. They deserve your support.

If any of the ISPLS members have any questions or concerns about the Great Lakes Council or NSPS they can E-mail me at bengeles@netnitco.net.

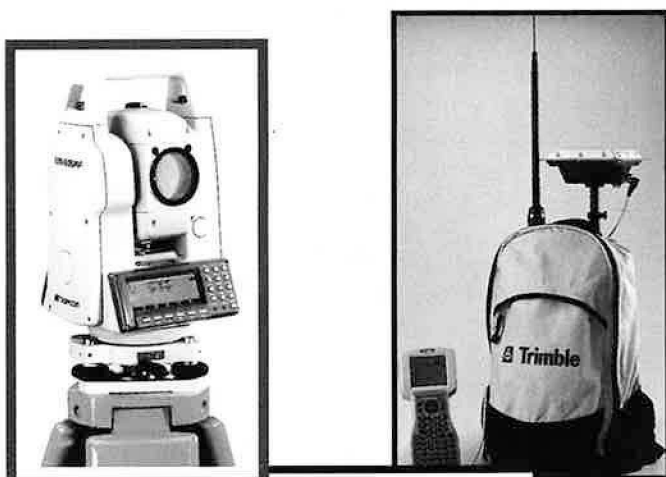
Respectfully submitted,

E. Donald Bengel, LS, PE



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A brief overview of the new Continuing Education Rule

by Rick Miller, PLS
Indianapolis, IN

For those who have not heard, Title 865 IAC 1-13, also known as Rule 13 or the continuing education rule, took effect in December, 2000. The purpose of this article is to give the reader the highlights of Rule 13 and answer some of the most commonly asked questions about the law.

Rule 13 requires registered land surveyors to complete twenty-four (24) hours of continuing education each biennium (2 years) in order to qualify for renewal of an active license. Because this rule first took effect later than originally expected the Board of Registration added a provision for the **current biennium** which limits the required continuing education to **twenty-one (21) hours to be completed by August 1, 2002**, in order to renew your license.

To qualify for renewal, a registered land surveyor must complete at least six (6) hours of the required continuing education in any of the following **mandatory topics**:

- (1) 865 IAC 1-10, rules of professional conduct.
- (2) 865 IAC 1-12, competent practice of land surveying.
- (3) IC 25-21.5, Indiana land surveyor's registration act.

Please note that each of those topics contain a number of elements and principles within them which may provide a person with a variety of interesting and relevant subject matter. It was the intention of the Board to allow a registrant to choose an available course, seminar or workshop in any one or more of those mandatory topics (or parts thereof) which they would find interesting and beneficial and not to cause you to repeat a course over and over again each renewal cycle.

The remainder of your required continuing education hours can be selected from any of the following **elective topics**:

- (1) College level mathematics.
- (2) College level physical sciences.
- (3) Federal and state laws, rules, regulations, and practices pertaining to the establishment or reestablishment of land boundaries, and the practice of land surveying in Indiana.
- (4) Preparation and analysis of legal descriptions of interests in land.
- (5) The design, planning, and platting of subdivisions.
- (6) Preparation of plans and profiles for roads, storm drainage, and sanitary sewer extensions for subdivisions.
- (7) The ethical, economic, and legal principles that pertain to the practice of land surveying.
- (8) Distance and direction measurements, including statistical analysis.
- (9) Topographic and hydrographic surveying.
- (10) Photogrammetry.
- (11) Surveying applications, such as GIS, LIS, GPS.
- (12) Advanced surveying procedures and equipment.
- (13) Computer applications for land surveyors.
- (14) College level communication, such as public speaking and technical writing.
- (15) Any of the aforementioned mandatory topics

For the record, one (1) hour of continuing education must contain at least fifty (50) minutes of instruction time. However,

college courses taken after licensure that qualify for continuing education credit under Rule 13 are counted as follows: ten (10) hours of continuing education credit per credit hour taken in a quarter system or fifteen (15) hours of continuing education credit per credit hour taken in a semester system.

Continuing education credit for any course, seminar or workshop may only be counted once and cannot be used in a subsequent renewal cycle, and no course, seminar or workshop may be repeated by a registrant for credit during the same renewal cycle. If you obtain more than the required continuing education hours in any renewal cycle that's great but, you cannot carry over the excess to count toward the next cycle.

One question that has been asked before is this, are there any "grandfather clauses" in this rule? Rule 13 does not have a "grandfather clause" for surveyors other than newly licensed practitioners. Newly licensed means those persons licensed during the biennium immediately prior to the current renewal date. A newly licensed individual is not required to complete continuing education hours during their initial license cycle but must comply with the rule in subsequent renewal cycles.

There is a provision that allows a registrant to request an "inactive" license status which will exempt them from needing continuing education requirements during the "inactive period". However, a person holding an inactive license is not permitted to practice land surveying during that time period, and at the time you request to reactivate your license you must show proof that the required continuing education had been obtained before the reactivation is granted by the Board of Registration. This provision was created in the rule to permit retired land surveyors or other registrants who are not currently practicing in Indiana to keep their license but not burdening them with continuing education requirements.

Where can you find continuing education courses that meet the criteria of Rule 13? Answer, just about anywhere. Certainly ISPLS will continue to offer quality continuing education seminars and workshops. Check the ISPLS website for course announcements and registration information. Many suitable courses are also available through other professional associations or societies in adjoining states and from private providers on a regular basis. Also, as noted above a wide variety of college courses are available at regional campus' that will meet the continuing education requirements. Correspondence courses provided by an accredited college or university where college credit is awarded for successful completion is accepted by the Board of Registration.

What is an approved provider? An approved continuing education provider is a person, firm or organization who's course, program and instructor has been pre-approved by the Board of Registration. The requirements for becoming an approved provider are given in 865 IAC 1-14 (a.k.a. Rule 14). If you complete a continuing education course from an approved provider you can be assured that the course will be accepted by the Board for credit

...continued Page 13

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NGS PLAN TO KEEP THE BLUE BOOK CURRENT

By D.S. Snellgrove, Blue Book Manager, National Geodetic Survey (NGS)

"Input Formats and Specifications of the National Geodetic Survey (NGS) Data Base," commonly called the "Blue Book," is a user's guide for preparing and submitting geodetic data for incorporation into NGS' data base. Survey data that are entered into NGS' data base become part of the National Spatial Reference System (NSRS), formerly the National Geodetic Reference System. The Blue Book comprises three volumes: Volume I covers classical horizontal geodetic and Global Positioning System (GPS) data, volume II covers vertical geodetic data, and volume III covers gravity data.

The formats and specifications are consistent with the aims of the Executive Office of the President, Office of Management and Budget's (OMB) Circular A-16, as revised in 1990. A major goal of the circular, which is titled "Coordination of Surveying, Mapping, and Related Spatial Data Activities," is to develop a national spatial data infrastructure with the involvement of Federal, state, and local governments, and the private sector. This multilevel national information resource, united by standards and criteria established by the Federal Geodetic Control Subcommittee (FGSC) of the Federal Geographic Data Committee (FGDC), will enable the sharing and efficient transfer of geospatial data between producers and users.

Survey data that are submitted to NGS for incorporation into NSRS should be properly formatted and supply minimum accuracies of:

First-order horizontal accuracy standards for GPS and conventional horizontal surveys;

Second-order, class II vertical accuracy standards for conventional leveling;

Third-order gravity standards for gravity surveys.

At this time, NGS provides review, archiving, and distribution functions free of charge for survey data submitted in the proper format. These surveys must contain connections to NSRS in accordance with FGCS Standards and Specifications and they must contribute to the public good.

Previously, when the Blue Book guidelines were updated every 2 - to - 5 years, a new version was published and distributed to users upon request. This was a slow and expensive process for our organization. But, with current Internet technology, NGS can now more easily keep the Blue Book up-to-date by making additions and corrections to the existing version on the NGS web site as needed.

Thus, all future additions, corrections, and/or updates to the Blue Book will only be available from the NGS Web Site. To access this information from www.ngs.noaa.gov, under **Project and Division pages**: click on **FGCS/GIAC**; click on **Publications and Presentations**; then click on **Input Formats and Specifications of the National Geodetic Survey**.

The current revision with the most impact on the FGCS guidelines is a change to the description format used in the Blue Book. This change is as follows:

The WDDPROC software package (D-FILE format) written by Janet Mencher, NGS, is now available on the NGS Web Site. The new D-FILE (description file) formats and the nine chapters of the Description Processing Handbook replace the unified format and Chapter 3 text of the published Blue Book, reviewed in November 1998. Although this change is effective immediately, NGS will continue to accept description files previously coded in the old unified format to allow for projects nearing completion. The package of programs above was written to create, modify, and work on the new D-FILE format.

To access this information from www.ngs.noaa.gov: click on **PC software**; click on **DDPROC**; then click on **DDPROC (Version 4.00)**.

For additional information, contact D. Sherrill Snellgrove, NGS, telephone: 301-713-3200, ext. 100, or e-mail: Sherrill.Snellgrove@noaa.gov.

OVERVIEW continued from Page 11

toward your license renewal. An approved provider is required to furnish the Board with a certified list of registrants who completed the course and the number of course hours granted.

Do you have to take continuing education courses from "approved providers"? No, you don't have to. You can choose to take any course, seminar or workshop that conforms to the mandatory or elective topics outlined above and who's instructor has the requisite credentials and knowledge to deliver a suitable educational experience. If you become familiar with Rules 13 and 14 you should have little difficulty in determining the probability that a course and instructor may be found to be acceptable by the Board of Registration. The hitch is that there are no guarantees here. The risk is all yours. You will be personally responsible to submit the necessary course and instructor documentation to the Board of Registration to request a grant of course hours. And you must do this within 3 months of completing a course from an unapproved provider.

How will the Board of Registration monitor your compliance with Rule 13? You will be required to certify to the Board with your next renewal application that you have met the continuing education requirements or you must apply for an inactive license. The Board will conduct random audits of registrants to verify that the certification made on the renewal application is true. You are required to retain your course completion certificates for at least five (5) years from the date of the course. If you are found not to be in compliance with Rule 13 you will be subject to discipline under IC 25-1-11 and you could face the suspension or loss of your professional license.

Again, the preceding is offered as a general overview of the continuing education rule. For more details please refer to the full text of the rule which can be found on the ISPLS website at: www.ISPLS.org

REGISTRATION BOARDS' CERTIFICATE CEREMONY



Two times each year (May and November) the registration boards for engineers and land surveyors combine to sponsor an impressive ceremony of presenting certificates to newly licensed professionals. This last fall the event took place to an overflow audience in the Indiana state supreme court chambers in the state capital building.

Seated in the first row, (l. to r.), were engineer board members: Jerry Marley (Notre Dame); Darryl Huyett (Terre Haute); Hubert Longest, Jr. (Zionsville); Robert Guckien (Beech Grove); Gerald Dunn (Avon); Raman Patel (Indianapolis); and William

Fehribach (Indianapolis).

In the second row were land surveyor board members: Ross Holloway (Mooresville), who was presiding; E.R. Gray, III (Columbus); John Schneider (Carmel); Tom Boofter (New Albany); and Kenneth Curtis (West Lafayette). Absent was Patrick Cunningham (Battle Ground). A seventh public member of the board has resigned and has not as yet been replaced. In the lower left corner of the picture is ISPLS president, Les Weber (Fort Wayne) who participated in welcoming the new registrants.

"About the Cover"

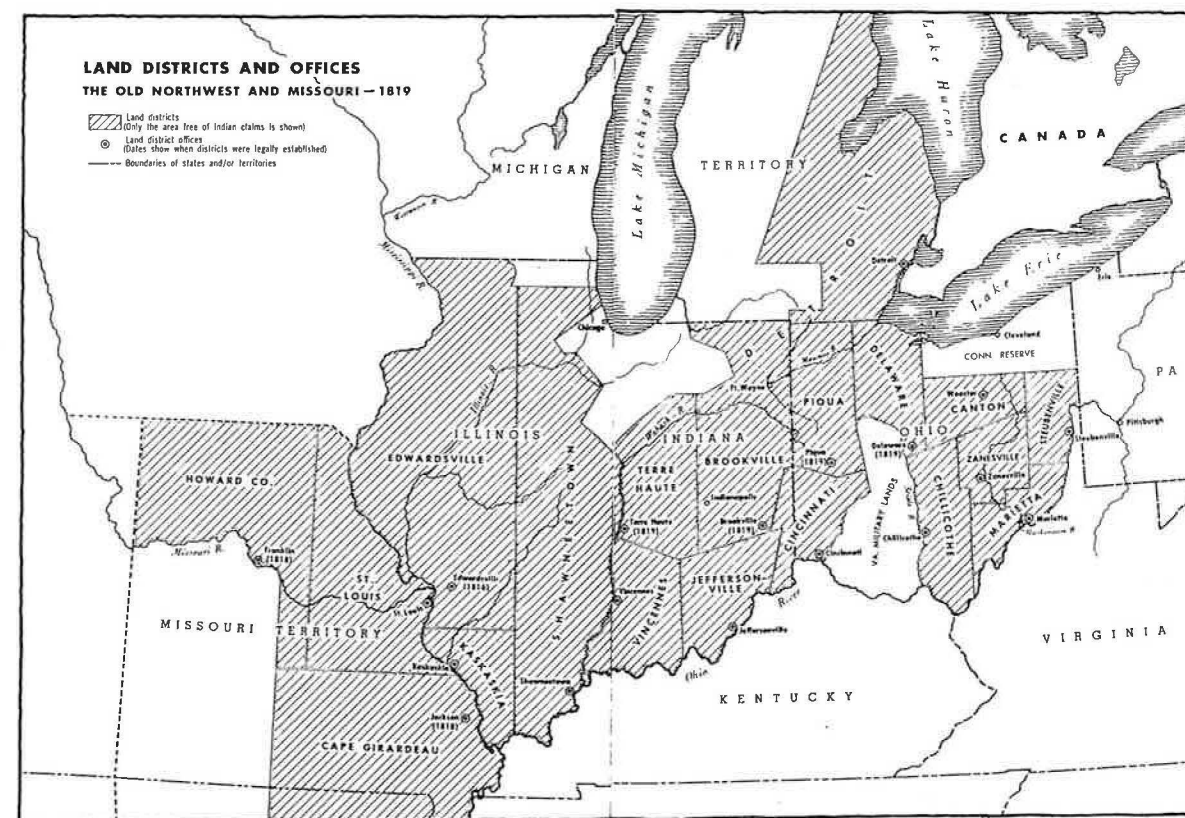
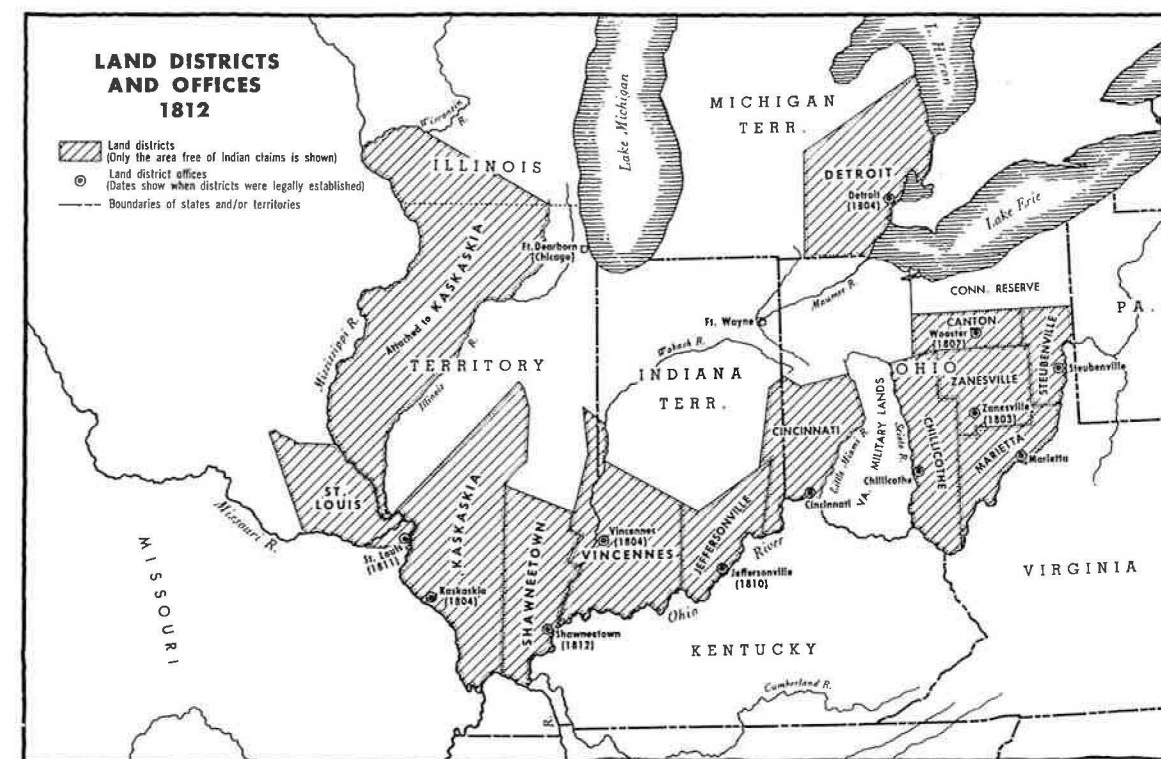
The map on the cover of this issue and the others on page 15 are illustrations taken from a book entitled *The Land Office Business: The Settlement and Administration of American Public Lands, 1789-1837* by Malcolm J. Rohrbough, 1968, Oxford University Press, Inc. The comments on the jacket of the paperback reads as follows:

"If the cause of the happiness of this country was examined into....it would be found to arise as much from the great plenty of land in proportion to the inhabitants, which the citizens enjoyed, as from the wisdom of their political institutions." These words of Albert Gallatin to his Congressional colleagues in the early years of the Republic reflect the land fever raging among its people. During the first half-century of the nation's history, land was America's most sought-after commodity, and the effort men expended to acquire it was a dominant force. These years saw the creation of a "land system" which deeply affected the economic and political life of the new nation".

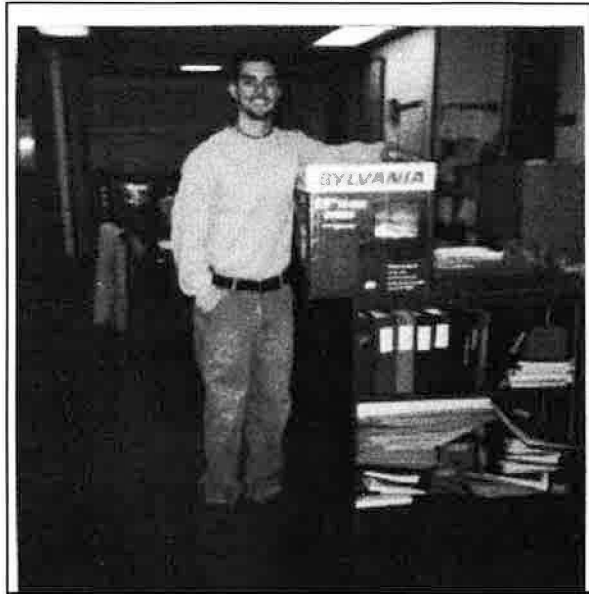
"In the first serious examination of the land question in more than fifty years, Professor Rohrbough reviews this epochal migration with sweep and insight. He sets forth in detail the procedures for distributing the vast public domain, whose management lay at the center of life on the frontier and whose administration was closely tied to the administrative apparatus of the new federal government. The book gives, in particular, an account of the dramatic sales of public lands in the prosperous years after 1815, when eastern capitalist and small settler alike joined in the rush and created the land office business". (Professor Rohrbough was professor of history at the University of Iowa.)

Editor's Note: This book is one of many surveying and mapping books in the Kenneth S. Curtis Library housed at ISPLS headquarters in Indianapolis. These books are available to be checked out on loan to ISPLS members.

LAND DISTRICTS AND OFFICES



And The Winner Is Matt Carpenter



We are please to announce that the winner of the Agency Associates, Inc TV/VCR drawing at the State Convention was Matt Carpenter. He is a technician in the Madison County Surveyors Office. Our thanks to all who entered our contest.

If you missed us at the convention and would like information about the ISPLS Insurance Programs for:

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Ergonomics; Here it Comes! (An interactive article.) by Ronald E. Koons, RoSaKo Enterprises Safety Consultants, Middletown, Indiana

Just a year ago we looked at the Clinton Administration's proposed Ergonomic Standard. In 2000 there were hearings throughout the country where business owners and labor were allowed to make comments on the proposal. Congress even tried to block funding for a final Ergonomics Standard, but was unsuccessful. With the election in shambles and certainty that a Bush administration would wait on enacting the standard, OSHA jumped into action. The *day after* Congress failed to block funding for Ergonomics OSHA published the final rule! The rule itself along with the preamble is around 1,000 pages. There is no way that OSHA could have sincerely considered all of the thousands of comments made by over 700 witnesses during the hearings. The choice to publish the rule on November 14, 2000 was simply based upon politics, not good old common sense and diligent consideration.

Circle your choice: This is an example of government at it (worst) (best).

Let's look at some of the more important points and how they may have changed from the original Ergonomics Proposal to the final version. First of all, just exactly who is covered has somewhat changed. Originally all General Industry employers would have to comply, but there was a focus on manufacturing and manual material handling jobs. This has been modified to equally treat all General Industry employers. (Surveying employees would normally fall under the General Industry Regulations. However, when employees are on construction sites they may fall under the Construction Regulations.) The new Ergonomics Regulations do not apply to Construction or Shipbuilding at this time. What this means is that you will at a minimum have to comply all of the time for office personnel and at least part of the time for field personnel, depending on where they are working.

Exactly when you have to comply with the new Ergonomics Regulations is not simple to determine...but here we go. The standard was passed at the federal level on November 14, 2000. It took effect in all federal OSHA states on January 16, 2001. It automatically takes effect in Indiana 60 days after it does in the federal states. Now we all know that 60 days isn't always 2 months, but on some of the other new regulations IOSHA used two months instead of 60 days. Go figure! Now let's really get going...In federal states you must train all employees about the new standard, how to recognize Musculoskeletal Disorders (MSD's), how to report MSD's and a few other items by October 15, 2001. Of course in Indiana we know that means December 15, 2001 or 60 days after October 15, 2001...or whatever!

After the December date you must start compliance with the balance of the standard...kinda. Within 7 days after an employee reports an MSD you must determine if it meets the "Action

Trigger", or in other words is it your problem or theirs. (Believe me it most likely will be your problem.) You then must begin MSD management within 7 days after you have determined the Action Trigger was activated. Within 30 days after the Action Trigger has been met you must initiate Management Leadership and Employee Participation. Within 45 days after the Action Trigger you must Train Employees involved in setting up and managing your ergonomics compliance program. As we keep going...within 60 days after the Action Trigger you must complete a Job Hazard Analysis. In another 30 days or 90 days after the Action Trigger you must Implement Initial Controls. Also within 90 days after the Action Trigger you must Train Current Employees, Supervisors and Team Leaders. Within 2 years after the Action Trigger you must implement permanent controls except that initial compliance can take up to January 18, 2005 (60 days later in Indiana), whichever is later. Within 3 years after the Action Trigger you must evaluate your entire ergonomics program. I am not done yet with dates so hang on for just two more items. All of this is based upon a particular job. If you have 4 different job descriptions in your company you would have these dates to work with for each job description upon the first reported MSD within that job description. By the way, there is also what is called a "Quick Fix" which applies to some MSD's that allows you to by-pass some of the steps given above. Now I am done with the compliance dates.

Circle your choice: If any employee reports an MSD I will (Move to a deserted island) (Become a hermit and live in a cave) (Go to work for the for the government because they will be the only employer left).

Work Restriction Protection (WRP) was one of the items that was most controversial in the initial proposal. They did make a slight change in the final version. Originally you would have to provide up to 180 days of protection. This was changed to 90 days or when the employee is able to return to work or a Health Care Professional (HCP) determines the employee will never be able to return to work, which ever is the shortest. Work Restriction Protection means that you must pay an employee 100% of their pre-injury wages and benefits if they are on restricted or light duty and 90% of wages and 100% of benefits if they are totally off work. The average Worker's Compensation amounts throughout the country are around 65%. That means someone has to make up the difference. Guess who?

That is just about all that we can cover now. I will tell you that there have been several lawsuits filed against the new standard. At this time we have no insight as to what may happen or even when results will be known. Our only choice is to begin our compliance efforts so they will be in place when required. What ever that date may actually be!!!

NEW FLS EXAM KEEPS ABREAST OF THE SURVEYING PROFESSION

By NCEE Staff, Licensure Exchange August 2000

The first academic-based Fundamentals of Land Surveying (FLS) exam was administered in October 1999. This change from a practice-to an academic-based exam was a result of the 1998 Professional Activities and Knowledges Study (PAKS) that analyzed data from surveys distributed to a sampling of professional surveyors all over the country. The 1998 PAKS results showed surveyors using competencies that most likely would be obtained from a four-year degree program. The Examination for Professional Surveyors (EPS) committee developed the 1999 October exam and subsequent exams to fit those academic competencies. The current FLS exam reflects the profound changes that have taken place in the field of surveying over the past 40 years as well as the evolving responsibilities of today's surveyors.

"Technological advancements have been explosive in the practice of surveying...Our grandparents would find themselves lost in a modern survey office," says Rita Lumos, PLS, member of the Nevada Board for Professional Engineers and Surveyors. Dave Gibson, PS, Florida Board of Professional Surveyors and Mappers, explains that "the typical American surveying transit was invented in the 1870's. It was used as the dominant surveying tool without significant change for nearly 100 years until about 1970, because it was accurate enough for the work being done during that period." Gibson goes on to say, "It was not uncommon for rural surveys, completed in the 1950's to be plus or minus five feet; however, in today's 'land crunch' the public expects a fraction of a foot accuracy."

This expectation is valid considering the technology developed in the last 30 years and available today. Gibson says, "Computers and surveying software sets are now standard. Electronic distance measurements devices (EDMs) have now been integrated with electronic angle measuring devices into instruments called 'total stations'. Survey data recorders are used instead of field books. Geographic Information Systems (GIS) have replaced the map sheet-based file systems for integrating measured data. The Global Positioning System (GPS) is now threatening to replace all forms of angle-distance measuring systems. The result has been a tremendous increase in productivity. The average surveyor today can produce 10 times the output of the 1950s surveyor with about one third the resources -about a thirty-fold gain in productivity."

Technology has increased the productivity of surveyors, but it has also increased the breadth of surveyor's responsibilities and the need for more education than in the past. "Surveying, 20 years ago was what many considered an apprenticeship trade, sometimes viewed as a technician level subset of civil engineering" says Lumos, "Most state statutes, and the Model Law, defined the practice of professional surveying as the determination of land boundaries only". Thus the name land surveyor. Many surveyors today prefer the designation of surveyor, which can include the "broad spectrum of activities [performed by surveyors] that often require a formal education."

George Shambeck, PLS, California Board for Professional Engineers and Surveyors, says, "It is necessary for new and

upcoming potential surveyors to obtain an education to use and understand the technology and underlying principles/theories of surveying and mapping in order to protect the public. Without the proper broad-based education and experience," adds Shambeck, "the profession will be taken over by a variety of unlicensed technocrats who are specialists in a portion of what we now call surveying." Ben Thomson, PE, LS, Texas Board of Professional Land Surveying and EPS chair agrees. He says, "Everyone knows how to use the equipment; not all know the limitations of the equipment. Utter, blind reliance on electronic technology without sufficient educational background can dilute the competence of the surveyor. Too many licensees (and consequently, their employees) place entirely too much unfounded trust in the use of the advanced technology available in surveying today. This is often done without regard for the attendant pitfalls, which due to astute salesmanship on the part of the equipment marketers, sometimes remain unknown to the user." Though surveying has traditionally been an apprenticeship trade, those days are passing quickly, Thomson says. "While the apprentice system teaches valuable and critical skills, it must be supplemented today with formal education to enable the licensee to function properly in the highly technical arena of modern day surveying."

Lumos says "Technicians will increasingly be involved in gathering information and in laying out fixed works. The professional surveyor is the planner, director, and analyst of much of that work." As such, the future professional surveyor needs formal education at the university level, though such a program may not be easily accessible. The Related Accreditation Commission of the Accreditation Board for Engineering and Technology (RAC/ABET) has accredited eight university programs offering degrees in surveying, mapping, or geomatics.

Marian M. Clark, Ph.D, is the director of the Surveying and Mapping Science program at East Tennessee State University. She says, "We have over 10 students a year graduating with 65-70 students enrolled in the four-year program over four years. We draw from six or seven states in the mid-Atlantic Central Southern region with which we participate in an Academic Common Market." Of the graduates, 75-80% get jobs in private practice and pursue licensure. Clark says, "I think the change in the FLS exam is a good thing. One goal of our program is to get our students licensed. Surveyors need to understand what's going on so we teach the basics. We are here to teach the underlying principles, not just to show students how to push the buttons." As technology has increased, the need for surveyors to pursue formal education is more important. Increasing technology also makes it difficult for universities to maintain up-to-date programs. "Our Surveying and Mapping program relies heavily on partnerships between the university and professional surveyors [to supply the equipment we need]", adds Clark.

Ron Cothren, PLS, chair of the Geomatics program at the University of Alaska Anchorage, agrees that formal education for surveyors is important and that the academic basis of the FLS exam is a positive move for the profession. When asked why his program changed its name from Surveying and Mapping to Geomatics, Cothren replies, "Geomatics by definition includes the newer disci-

plines of remote sensing and GIS, as well as all of the disciplines of land, hydrographic, cadastral boundary, control, topographic, and aerial surveying. Some of us believe that our public perceives surveyors to be men in muddy boots looking through an instrument with a can of Copenhagen in their back pocket. We are only as good as professional as our public perceives us to be. A new title of Geomatics may give us a fresh start at upgrading our public image as knowledgeable professionals (including women) on the same level as engineers at least." Cothren goes on to add that the results of a survey given to high school students showed that "more initial interest was sparked by the name Geomatics versus Surveying and Mapping."

Along with increased education, surveyors point to licensing boards' adherence to the NCEES Model Law as a way for the profession to pursue excellence. Lumos says that in fulfillment of Model Law, 10 U.S. states require a four-year degree to write the FLS exam, and half are moving toward a "year certain for a mandatory degree requirement like Nevada. More states are also working on that legislation," Pete Jorgensen, PE, LS, NCEES emeritus member from Wyoming says that it is essential for licensing boards to comply with the Model Law. "When surveying registration boards fail to modify the registration requirements of their jurisdictions to comply with the NCEES Model law, the result is the continued licensure of entry-level practitioners unable to practice responsibly. An additional constraint on such under-prepared licensees will be their own inability to practice in those jurisdictions that have raised the bar appropriately through adoption of the NCEES Model Law. The adoption of registration requirements as outlined in the NCEES Model Law will also provide the support necessary to maintain the health of existing RAC/ABET surveying education programs and the establishment of similar additional programs as may be needed in other regions of the country."

In recognition of the 1998 PAKS, NCEES Model Law, and the modern demands made upon surveyors, the 1999 October FLS exam was changed to a baccalaureate curriculum-based exam. The move toward requiring formal education as necessary to the profession of surveying and as a prerequisite for licensure is a reality in many states and is gathering speed in others. These developments speak well for the dynamic profession that helped build the U.S. and in the opinion of several members of the NCEES surveying community, are appropriate steps forward.

I Am A Surveyor

Hey, I am not an engineer or a laborer, and I don't wear torn jeans. I do know John and Jim and Connie and they are really really nice, even though they are my competition. I have a university degree not a college diploma. I make \$98,851 per year and not minimum wage. And I believe in "getting it right" every time not plus/minus 2.5% 19 times out of 20. Not only can I calculate, integrate, and formulate, but I can also GPS, GIS, ATS, ACSM and NAD. And it is pronounced "cadastre" not cadaster." Land Surveying is the first in professionalism, and the best part of Geomatics. My name is Joe, and I am a Land Surveyor. Thank you.

...Reprint Alberta Land Surveyors ' Association News, Sept. 2000

ISPLS Guidelines for Grant Seekers GRANTS PROGRAMS POLICY AND PROCEDURES

INTEREST AREAS: ISPLS initiated a grant program for the fiscal year 1998/1999. This grant program remains in existence and funds are currently available for interested parties. Generally, grants will be made under the following Mission Statement: To advance and promote the study in the arts and sciences of the Profession of Land Surveying in the State of Indiana through the Professional Education and Professional Development of the membership and related professions.

PURPOSE: The purpose of all awards is to promote Publication, Education and Professional Development.

ELIGIBILITY:

1) Any ISPLS Member, ISPLS Committee, individual or group can petition the ISPLS Grant Advisory Board for funding and/or support; 2) Submitted petitions must be sponsored by a current ISPLS member at any level; 3) Priority & approval can be established by the ISPLS Board of Directors; and 4) must have a not for profit 501(C)(3) designated sponsor.

AWARD SIZE: Varies

PROCEDURE:

A letter of inquiry should be submitted to the ISPLS Grant Advisory Board for review of completion, accuracy and relevance, to be delivered to ISPLS Headquarters by the 1st business day of March each year;

The letter of inquiry should include:

- * The purpose of the project for which funds are being requested,
- * Problems and issues the proposed project will address,
- * Information about the individuals or organizations conducting the project,
- * Estimated overall budget for the project,
- * Period of time for which funds are requested,
- * Qualifications of those who will be engaged in the project.

After receiving the letter, the ISPLS Grant Advisory Board may ask the grant seeker to submit a formal proposal. There is no grant application form. The proposal format will be provided by the committee should it be deemed necessary.

ISPLS Grant Advisory Board supports pluralism and equal opportunity in its grant making. Because its funds are limited in relation to the number of worthwhile proposals anticipated, ISPLS directs its support to activities that are within its current interests and are likely to have wide effect. Support is not normally given for routine operating costs of institutions or for religious activities. Except in rare cases, funding is not available for the construction or maintenance of buildings.

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POSITIONS AVAILABLE

SURVEY PROJECT MANAGER

The Schneider Corporation (TSC) has an opportunity for a registered Indiana land surveyor as a Project Manager in our Indianapolis office. Primary responsibilities include: supervision of project team members, coordination and supervision of land surveying projects including contract preparation, budget management, and professional review and certification of surveys. Qualified candidates must have a minimum of 5 years of experience (after registration) in the preparation of boundary surveys, land title surveys and subdivision plats and possess strong interpersonal, communication and motivational skills along with an ability to multi-task effectively.

TSC is ranked the largest Indianapolis-area engineering firm and in the top 300 of ENR's top design firms. TSC is dedicated to our clients, our employees and our community. Please send a resume to Laura Hackett at The Schneider Corporation, 8901 Otis Avenue, Indianapolis, IN 46216, 317-826-7200 (fax) or email to lhackett@theschneidercorp.com lhackett@schneidercorp.com. Employment is contingent on successful completion of a drug screen. We are an Equal Opportunity Employer. M/F/D/V

SURVEY DATA TECHNICIAN

Advanced Lasers and Instruments has offices located in Indianapolis, Evansville, and Fort Wayne, Indiana. We are the distribution arm for Trimble G.P.S./Spectra Precision, Geodimeter. This job is located on the east side of Indianapolis at our home office.

This position would require some overnight travels, manufacturer's training courses and ongoing education in other states to become proficient at your duties. Your job would be creating data for our 3D & G.P.S. Machine Control Systems, as well as being our G.P.S., Robot Total Station Support Technician and educating customers on the usage and functions of our equipment.

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PAK studies ensure exams mirror real practice

"by NCEES Staff"

Licensing examinations, such as those offered by the NCEES, must be defensible if they are challenged in a court of law. One aspect of the examinations that may come under scrutiny is the subject matter covered. How can we demonstrate that examination subject matter is relevant to what the engineer or land surveyor actually does in practice?

In order to establish the content of an examination, we conduct a task analysis on the profession. Although task analyses are known by a variety of names, the NCEES terms a task analysis a Professional Activities and Knowledges (PAK) study. A PAK study involves the systematic determination of the tasks, knowledges, and skills important in the protection of the health, safety, and welfare of the public.

PAK studies involve several steps. The first step requires assembly of a committee of licensed experts who develop a list of tasks, knowledges, and skills that they believe are important for competent practice at the time of licensure. Next, this list is sent out as a survey to a broad sample of licensed practitioners in the specific field. The survey responses are then analyzed statistically to determine the tasks, knowledges, and skills important enough to be included in the examination specifications that will be developed.

Since practice in a profession evolves overtime, a task analysis should be performed periodically. Currently, the NCEES is involved in PAK studies for several of its examinations. The NCEES appreciates the help of the licensing boards when they are contracted for licensees to be surveyed.

The Chauncey Group, psychometric consultants to the NCEES, is providing guidance in the conduct of PAK studies. Their paper titled *A Primer on PAK Studies*, describes the process in detail. You may contact the NCEES Customer Service Department at (864) 654-6824 to obtain a copy of this paper.

COMPLETED CAREER

John Michael Irr, 61, ISPLS Member Lafayette, Indiana

J. Michael "Mike" Irr, 61, of 3300 Beach Drive, died 9:30 p.m. Thur., Nov. 16, 2000, in his residence from an apparent heart attack.

He was born Nov. 29, 1938, in Vincennes, and had been a Lafayette resident most of his life. He was a graduate of Jefferson High School and attended Purdue University. In 1991, he retired from the W. Lafayette Fire Department, working there 20 1/2 years.

On August 26, 1962, he married Rosetta "Rosie" Rosenbaum in Lafayette, and she survives. Mr. and Mrs. Irr were co-owners of Irr Surveying.

Mr. Irr was a member of St. Mary Cathedral, Masonic Lodge of Indianapolis, and Indiana Society of Professional Land Surveyors.

Surviving with his wife are a son, John B. Irr (wife Barbara) of Lafayette; a daughter Vicki J. Pounds (husband Geoff) of Lafayette; his mother, Geannie Callahan of West Lafayette; a brother, Don Irr of Lafayette and two sisters, Karen Stewart (husband Bob) and Maureen Bart (husband Dave), both of Lafayette.

Memorials may be sent to St. Mary Cathedral.

CONTINUING ED APPROVAL FOR ISPLS WORKSHOPS

The Kentucky State Board of Licensure for Professional Engineers and Land Surveyors' Committee on Continuing Professional Development has approved the following course:

Course #	PDH's	Title
2000-140	8	Theory of Location in Simultaneously Created Boundaries

The Indiana State Board of Registration for Professional Land Surveyors has approved the following courses for continuing education:

August 11, 2000

- * Boundary Law & Legal Aspects of Professional Surveying (Mandatory Category) 8 CEH

September 29, 2000

- * Theory of Location in Simultaneously Created Boundaries (Mandatory Category) 8 CEH

ISPLS 2001 Annual Convention - Jan. 17-19, 2001

- * Easements, Rights of Way, Interests, Encumbrances & Rights in Land 6 CEH
- * Back to Basics - Establishing Simultaneously Created Boundaries (Mandatory Category) 4 CEH
- * Storm Water Management - NPDES Phase 2 Initiative 2 CEH

- * Survey Design: Analysis, Adjustments & Positional Tolerance Criteria (Mandatory Category) 2 CEH

- * FEMA - Map Revision & Elevation Certificates 2 CEH

- * ALTA/ACSM Land Title Surveys 2 CEH

- * Rule 12 - Overview & Implementation (Mandatory Category) 4 CEH

- * TR-55 Hydrology 4 CEH

- * GPS Application 2 CEH

- * GIS/Digital Mapping 2 CEH

- * NGS Blue Booking 2 CEH

- * TR-20 Hydrology 4 CEH

- * Storm Water Management - Rule 5 2 CEH

IDEM

www.state.in.us/idem/annualreports/index.html

The Indiana Department of Environmental Management's Annual Report is available on the internet. The report provides insight into IDEM's activities, which range from cleaning up environmental contamination to preventing pollution, from July 1999 - June 2000.

For a printed copy of the report, call 800-451-6027, press 0 and ask for ext. 3-1044, or (317) 233-1044, or order via e-mail at mlms@dem.state.in.us. Please indicate your name, address, "IDEM Annual Report" and quantity desired.

CALENDAR

March 17-21, 2001

ACSM Annual Conference, Las Vegas, NV

April 20, 2001

Hoosier Hills Chapter Seminar, "Applied State Plane Coordinates", Speaker: Dennis Shreves, Location: Spring Mill State Park, Mitchell, IN

June 18-21, 2001

A/E/C SYSTEMS Conference, McCormick Place, Lakeside Center, Chicago, IL For more information: www.aecsystems.com or Phone: (800) 451-1196 Fax: (610) 458-1553

June 22, 2001

ISPLS Seminar, "Certainty of Boundary Location Has Value", Presented by Lane J. Bouman and Corky Rodine, Bureau of Land Management, Location: Holiday Inn Airport, Indianapolis, IN.

October 5-6, 2001

Surveyor's Historical Society Rendezvous, Texarkana, Texas, For more information call: Dan at 903-572-2076 or Roger at 812-537-2000 or www.surveyorhampton.com

October 27, 2001

Initial Point Chapter ISPLS seminar, "Tree Identification Winter and Fall", Speaker - Frank Ballintyn, Time: 8:00 a.m. - 12:00 (Noon), Abe Martin Lodge, Brown County State Park, Nashville, IN

October 27, 2001

ISPLS Picnic, Brown County State Park, Nashville, Indiana. Time: 12:30 p.m. - ?, Lodge Phone Number: (812) 988-4418.

January 23-26, 2002

ISPLS Annual Convention, Marriott Downtown Hotel, Indianapolis, Indiana

2001 ISPE CONVENTION

BACK TO THE BRICKYARD

In June, the Indiana Society of Professional Engineers will return to The Brickyard Crossing Golf Resort and Inn on West 16th Street in Indianapolis. Centrally located in the state, accessible to the Interstate and to the Indianapolis Airport, The Brickyard Crossing offers the ambiance of a tournament-quality country club next to one of the most recognizable sporting venues in the world.

The Convention begins on Thursday evening, May 31 with a silent auction that benefits the Indiana Engineering Foundation. Friday morning, June 1, the Professional Development sessions begin with Mr. Jerry Dunne, P.E., the former Indiana State Building Commissioner and Mr. Tracy Boatwright, the Indiana State Fire Marshal presenting their views of the relationship between design professionals and state code enforcement agencies. The second morning Professional Development session features a presentation discussing and defining the basis and possible implications of ASCE's resolution for Masters as First Professional Degree. Mr. Wilfred Nixon (Iowa University) and Mr. Stu Walesh (former Valparaiso University Dean of Engineering) will highlight both sides of this issue. Additional afternoon sessions will feature an on-

WELCOME NEW ISPLS MEMBERS



October 28, 2000

Amanda Askren - Student
Adam Berry - Student
Charles Bevington - Member
David Bufink - Student
Ed Bukovac - Student
David Devine - Student
Jeremy Fireline - Student
Joshua Foster - Student
Justin Frazier - Student
Jeffrey Glunt - Student
Adam Greulich - Student
Christopher Howell - Student
Ken Jackson - Member
Patrick Loeffler - Student
Rusty Logan - Student
Erin Loudermilk - Student
Kimberly Lutgring - Student
Leander Mehling - Member
Jason Miller - Student
Linda Morris - Student
Richard Oman - Student
Philip Peden - Student
Reuben Pillsbury - Student
Michael Smith - Student
Jessica Stapleton - Student
Travis Summers - Associate
Reginald Timberlake - Member
Eric White - Member
Robert Zuzelski

November 18, 2000

Marston Fowler, Jr.
Harold Smith - Member
Rayl Surveying & Engineering, Inc. - Firm

ISPE continued

site visit to an applied engineering example and a presentation on Professional Responsibilities.

ISPLS Members are welcome to attend any or all of the convention activities. Phone Laurie Howe at (317) 255-2267 or e-mail lhowe@indy.net for a convention brochure.

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