HOOSIER SURVEYOR



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

VOLUME 13 NUMBER 4 WINTER 1987

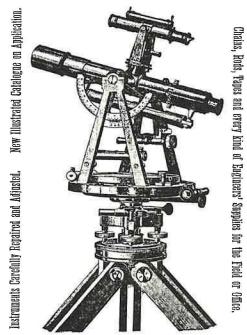


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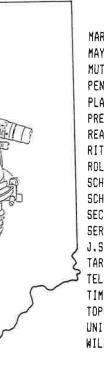
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Winter issue - January 31 Summer issue - July 31 Spring issue - April 30 Fall issue -October 31, The HOOSIER SURVEYOR is composed and reproduced by Marbaugh Engineering Supply Co., Inc., Indianapolis, IN.

The HOOSIER SURVEYOR is published quarterly by the INDIANA SOCIETY OF PROFESSIONAL LAND SURVEYORS, to inform land surveyors and related pro fessions, government officials, educational institutions, libraries, contractors, suppliers, and associated businesses and industries about land surveying affairs. Editorial/Advertising Offices: 5355 E. 38th Street, Suite 209

Indianapolis, Indiana 46218 317/546-0188

Advertising rates, closing dates, circulation data on request. Contributed articles, Gary Kent Editor photographs subject to space limitations.

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President's Message ISPLS President Don Bengel

In my first message to my fellow surveyors, I wish to express appreciation to our former president and board members for their service to our society. I also wish to extend congratulations to the new board members. These men are very deserving of our thanks for their willingness to serve their peers.

Areas in which our state society will be involved this year include legislation to improve the position of the professional land surveyor, promotion and implementation of the new standards, study committees for a plat act, a highway monumentation policy and support of the surveying program at Purdue University. I hope to have a positive response to our continuing search for volunteers to serve both on the standing committees and ad hoc committees.

The Board of Directors and I solicit your comments as to how we may better serve our members. Please let us hear from you.



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Who is Listening? By Lorraine Petzold

(From The Ontario Land Surveyor, Vol. 29, No. 3)

The one question that is always asked when a public education campaign is undertaken is "Is anyone listening?" The answer is a resounding "Yes".

A headline in the Toronto Sun. Friday July 18, 1986 read "If there's no survey, don't buy the property."

Richard Steacy in his real estate column clearly outlined the lessons to be learned from the recent case in Manitoba (we reported this in the last quarterly). His closing statement in his column was:

"So listen carefully. Before you hand your money over to a lawyer, or anyone else for a mortgage investment, demand a survey of the property. Don't take no for an answer."

Two recent articles by a Vancouver writer, Timothy Perrin, who specializes in personal finance, law and science, were about the importance of surveys. They appeared in "Select Homes" magazine and "Money Matters".

Mr. Perrin in his "Select Homes" article told of a couple in Vancouver who decided to save a few dollars by not ordering a survey when they bought their property. When they were ready to sell, the purchasers insisted on a survey and then their problems began. Encroachments and by-law violations were discovered.

"The Parker's mistake was ignoring the first rule of investment: know what you are buying. Whether you are buying securities, pork belly futures or real estate, the key to success as an investor is to make sure you are getting exactly what you're paying for. Since for most of us, our homes are our largest investment, it makes a lot of sense to take extra care...A survey, even one costing \$800.00 represents less than one percent of the price of a \$100,000 home. It ensures you get what you are paying for, and it can save you thousands.

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The Value of a Survey Vehicle and Equipment

(Editor's Note: An Indiana surveying company has provided this list to the Hoosier Surveyor for the interest of our readers who may never have assessed the cost and value of a well-equipped surveying crew.

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FM 2 way radio	1,500.00	1 Steel Prybar	25.00	
Geodimeter 140 Total Station	20,000.00	1 Set Post Hole Diggers	20.00	
Wild T-16 Theodolite	5,000.00	20 Traffic Cones	100.00	
Wild NA2 Auto Level	1,800.00	3 Safety Flags	15.00	
3 FM Walkie-Talkies Radios	1,500.00	3 Safety Vests	20.00	
4 Tripods	800.00	3 Hard Hats	30.00	
2 Lietz Tribacks w/adaptors	800.00	2 Steel Cut Chisels	20.00	
2 Heavy duty Geodimeter Batteries	700.00	1 Steel Center Punch	10.00	
3 Geodimeter Prisms	450.00	1 Right Angle Prism	75.00	
2 Adjustable Geodimeter Range Poles	400.00	1 Hand Level	100.00	
1 Geodimeter Data Collector	2,500.00	1 Sunnto Compass	50.00	
4 Geodimeter Battery rechargers	400.00	1 Set Binoculars	50.00	
1-200' Raybone Steel Tape	200.00	2 Shovels	20.00	
1-100' Raybone Steel Tape	100.00	1 Manhole Lid Puller	15.00	
1-100' Lufkin Steel Tape	150.00	1 Steel Probe	20.00	
1-100' Fiberglas Tape	20.00	1 HP 41CX Calculator w/printer & survey programs 700		
1-Tension Handles	50.00	3 Steel Range Pole Stands	30.00	
1-Chaining Clamps	25.00	10 Cans Highway Paint	50.00	
1-Tape Thermometer	50.00	28 Rolls Flagging (7 colors @ 4 each)		
1-Barometer	150.00	2 Boxes of Keal(2 colors Q 1 each)		
2-Horizontal. Control Traverse Targets	200.00	2 Boxes Conc Nails 2 sizes		
2-Vertical. Control Traverse Targets	100.00	3 Boxes P.K. Nails 3 sizes		
1-Schonstedt Magnetic Locator	500.00	1 set Chaining Pins		
1-Lenker Rod-Level Rod	150.00	6 bundles of Stakes		
1-16.5' Chicago Type Level Rod	150.00	8 bundles of Lath		
1-25' Fiberglas Level Rod	100.00	1 First Aid Kit		
3-12' 3-section Ranges Poles	300.00	1 Fire Extinguisher		
3 Machettes	100.00	1 Chalk Line		
1 Axe	20.00	1 Concrete Nail Driver		
1 Large Brush Axe	50.00	50 Plastic Caps for Property Corners 25.0		
3 Sandvik Brush Axes	100.00	50 24" Long 5/8" Rebar 50.0		
1-10 lb Hammer	20.00	1 Rod Bubble 25.00		
1-8 lb. Hammer	15.00	1 6' Engineers Rule	10.00	
1-4 lb. Hammer	10.00	TOTAL	\$53,260.00	

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Pi Bill Couldn't Add Up, But That Didn't Stop Lawmakers in 1897

(From The Indianapolis Star, Fred C. Cavinder, February 1987)

Maybe it's difficult to figure the Indiana neral Assembly. But it could be even more difficult.

Suppose the legislature had been successful in its attempt to not only change the value of pi, but also to copyright it.

Pi, that arithmetic term that looks like a little italic footstool in formulas, is used in figuring the dimensions of circles and has a numerical value that begins 3.14159.

It did until 1897. That was the year Dr. Edwin J. Goodwin of Solitude convinced Rep. Taylor I. Record of New Harmony that pi was 3.2.

House Bill 246, introduced Jan. 18, 1897, sought to legally establish 3.2 as the value of pi.

Goodwin was generous. His bill stipulated that schools could use the new value he had discovered free of charge. Others would pay a royalty for Goodwin's "new mathematical truth".

At first it appeared that good sense and a sense of humor would prevail. House Speaker Henry C. Pettit of Wabash County, tongue no doubt creating a circular shape in his cheek, assigned the bill to the Committee on Canals, Swamplands and Drains.

But that committee's Chairman, a serious type, begged to move the bill to the Committee on Education. That was approved and the bill was approved, too, by the education committee, headed by Samuel Edgar Nicholson of Kokomo, a Quaker schoolteacher.

Furthermore, Nicholson, perhaps mesmerized by the doubletalk of the bill, asked for suspension of the rules so the bill could be passed immediately. It was 67-0.

In the Senate, President Pro-Tempore Mortimore H. Nye assigned the bill to the Committee on Temperance, a less than sober judgement on his part. Instead of fermenting there in limbo, the bill was reported out for passage by committee Chairman Harry S. New. New, once a reporter, then an editor, and finally a co-publisher with his father of *The Indianapolis Journal*, evidently had not read his own newspaper.

When the House had passed the pi bill, the Journal had noted, "This is the strangest bill that has ever passed an Indiana Assembly."

Virgil P. Bozeman of the Temperance Committee called up the bill in the Senate on Feb. 12, 1897. Enoch C. Hogate of Danville moved to strike out the enacting clause, which would have killed the bill. His motion was defeated.

Suddenly, someone stopped running in circles. Perhaps noting that there had never been any real hearings or debate on the merits of the bill, Sen. Orrin Z. Hubbel of Elkhart moved that the bill be postponed indefinitely. He argued that the Senate, which was costing the state \$250 a day while it met, should be above considering such a frivolous measure, which, he said, had laid the Indiana General Assembly open to ridicule by newspapers in Chicago and the East.

The Hubbel motion carried; the pi bill was buried.

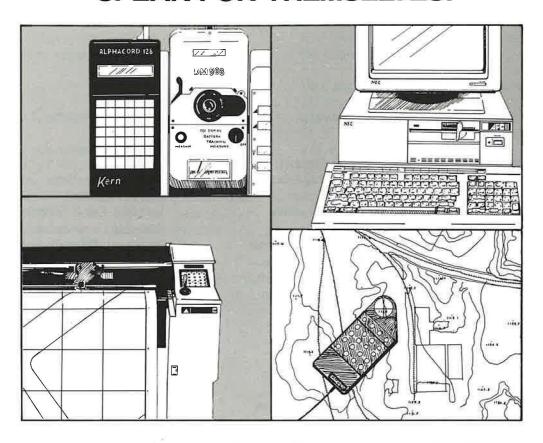
The death of the bill was good for several reasons besides the fact that it would have given Goodwin a copyright. For one thing, it was confusing. Scientists later pointed out that in one part of the bill, pi was given the value of 3.2, but in another section, its value was noted as 4.

Using 3.141592 for pi, one finds that the area of a circle having a diameter of 4 feet would be 12.566368 square feet. Using 3.2 for pi, the area would be 12.8 square feet. This kind of difference, seemingly small in a home workshop, would create havoc in a space program, where the difference might be enough that a returning rocket would miss the Earth completely.

Most of the time, not even the Indiana General Assembly is off the mark that far. But they almost made it the year they let a self-appointed mathematician take pi and run circles around them.

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ISPLS Member News

Former ISPLS President Roger Woodfill has been elected Area 5 Director of National Society of Professional Surveyors. Roger was Vice-President of NSPS in 1983.

Congratulations to new LS Registrants Wilbur Peak and Mike Mulryan on their successful completion of the Indiana Land Surveyors Examination and subsequent registration.

Completed Careers

* * * * *

ISPLS member Ray Redelman, a resident of Brookville, Indiana passed away on March 1st of this year. Ray had been ill for quite sometime, although he was able to attend the ISPLS Convention this past January.

Arthur C. Johnson an ISPLS Life Member and a Professional Engineer, died on May 7, 1986. Mr. Johnson was a resident of Greenfield, Indiana.

Calender

March 29-April 3, 1987 ASPRS/ACSM Annual Convention (Baltimore)

April 4, 1987 (Vincennes)
April 18, 1987 (Columbus)
May 2, 1987 (West Lafayette)
May 16, 1987 (Plymouth)
June 6, 1987 (Fort Wayne)
ISPLS Spring Workshop
on the New Survey
Standards

January 1988
ISPLS Convention
Merrillville, Indiana

January 25-28, 1989
ISPLS Convention
Indianapolis

Notices

Copies the NSPS promotional film A Matter of Degrees is now available for purchase on either video tape (VHS or Beta format) or on film with a special discount through ISPLS; however, orders must be in very soon. Contact Peggy at headquarters for more information. Additionally, ISPLS has purchased several VHS copies which will soon be available for use by the various ISPLS Chapters.

The recently printed ISPLS promotional brochures are now available through headquarters for 25 cents per copy or \$1.50 for a set of 6. These brochures are an excellent item to have in your office to give to your clients or potential clients. One set of brochures was made available to each person attending the Annual Meeting at Purdue in January. See elsewhere in this issue for more information!

ISPLS Members or Chapters wishing to host an ISPLS Convention in 1990 should prepare a proposal and send it to headquarters prior to June 1, 1987 for consideration by the ISPLS Board of Directors. Extensive information and assistance in preparing the proposal is available through the ISPLS Convention Coordinating Committee.

Classifieds

* * * * *

Pace Engineering of Shelbyville, Indiana is wishing to hire a Land Surveyor registered in the State of Indiana. Persons interested should call 317/392-4444.

Attend the ISPLS Spring Workshop in Your Area !!!

April 4 in Vincennes April 18 in Columbus May 2 in West Lafayette May 16 in Plymouth June 6 in Fort Wayne

ISPLS Returns to Purdue for Successful Convention

A large turn-out this January supported Professor Ken Curtis' prediction that ISPLS members would like a return visit to the Purdue West Lafayette Campus where the early ISPLS Conventions were all held.

An excellent technical program supplemented by a social program with many offerings was apparently the draw as a higher than normal attendence was observed.

The Surveying Scene

Texan Ken Gold set the stage for the convention in his Wednesday presentation on the Surveying Scene and Today's Economy. Ken outlined a number of steps that the surveying profession should take in order to better its position in society. His plan obviously represents a progressive program conceived in the long term interests of the profession. Several of the major steps included:

- -Establish nation-wide curriculum requirements for university surveying programs
- -Support a new Model Registration Act which would incorporate mandatory continuing education
- -Adopt a Model Technician Certification program and require that technicians either be certified or enrolled in the program
- -Develop a national cooperative/work study program for undergraduates in surveying programs
- -Establish and publish guidelines to be used by persons wishing to establish new surveying firms
- -Develop a financial support/loan program for helping new firms to organize
- -Create a nation-wide speakers bureau
- -Enlarge the number and amounts of scholarships
- -Encourage profit sharing and career goal programs for individual firms.

Door-Prize Winners

As always, the exhibitors were very generous in their contributions towards door prizes given at the various social gatherings. The donors, prizes and winners were:

Hickerson Instrument Co., Inc.: 200 foot tape and reel - Michael Feldbusch

G. Lengemann Co., Inc.: 16 foot CalcuTape - Roger Woodfill (Donated to Vincennes University); 100 foot Permaline Tape - Don Craig; 100 foot Nylon Clad Steel Tape - Rodney Young

Kara Co., Inc.: HP-11C Calculator - Carl Anderson

Instrument Sales & Service Co. of Indiana, Inc.: 100 foot Chrome Clad Tape and Reel - Kay Anderson; \$25 Gift Certificates - Kevin Potter, Mike Gerberick, Dennis Singer and Richard Ward

Chicago Steel Tape: 50 foot Fiberglass Tape - Vic McCauley

ADS/Linex, Inc.: KOH-I-NOOR SP-7 penset - Bettie Blankenbeker

Marbaugh Engineering & Supply Co., Inc.: 1 Dozen golf balls - Joe Blevins

National Surveying Instruments, Inc.: Prism Bag - Fave Anderson

Seiler Instrument & Manufacturing Co., Inc.: 100 foot Steel Tape - David Blankenbeker

Accu-Air Surveys, Inc.: Aerial Topographic Map (value up to \$750.00) - John Manship

Air Maps, Inc.: 750 ml of Bailey's Irish Cream - Wes Day

Geophysical Service, Inc.: Cross Pen & Pencil Set - Dan Pusev

Bytrex Computer Systems: 2 Boxes of 5 1/4 inch DS/DD Diskettes - Jeff Altmeyer

THANKS AGAIN TO OUR EXHIBITORS!!

Convention Highlights



Ken Gold Addressed Wednesday Attendees on "The Surveying Scene and Today's Economy"



U.S. Forest Service Surveyor and ISPLS Member Ken Anderson spoke on section corner recovery



The incoming ISPLS Board was sworn in by NSPS Area Director John Dailey



ISPLS President Pat Cunningham presented former President Jake Hall with the Bridge Award



NSPS President-Elect Robert Todd was the featured speaker at the Friday Luncheon and introduced the new NSPS film A Matter of Degrees



Technical Sessions were all excellent and well attended

Response To "Surveyors in Private Practice" by Michael D. Arena, L.S.

(Editor's Note: In Volume 13, Number 2 of the Hoosier Surveyor, the late Ray Redelman (see "Completed Careers" elsewhere in this issue) introduced a group he called "Surveyors in Private Practice". Mr. Arena, the Lawrence County Surveyor, is responding to the ideas and statements put forth in that article. The Editor would encourage additional responses expanding on the ideas outlined here and in Mr. Redelman's article)

Dear Ray:

I have been meaning to reply to your article in the Hoosier Surveyor since I read it, but have been too busy until now. As you can see from my letterhead, I'm a County Surveyor who is also in private practice; or rather that I'm a Land Surveyor in private practice who is also a County Surveyor. How ever you look at it I'm sure that you are aware of the necessity of the arrangement (my 1987 salary is \$12465.00).

I will not pretend to be immune to the inequity of my dual position, but I will defend it anyway. First, it is a constitutional office that will be occupied by either a professional or a non-professional. I need not elaborate on the better of the choices. Second, I spend a considerable [amount] of time on corner work, advising the other county offices in areas of mutual concern, helping the general public in trivial matters and assisting other Land Surveyors in their research, seeing that they have all of the information available in my office (including my private files). Third, with the exception of the office space, I do not use the county's equipment or personnel for my private practice. I maintain an office in my home and pay for a business telephone and other related expenses.

Now that I have defended my integrity, I must say that I generally agree with your letter and with the ideals of your organization. I do not; however, concur with your approach for solving the problem. You suggested that the County Surveyor be adequately compensated for full-time employment. I was once sent a questionnaire asking what percentage of the County Recorder's salary I would require to work full-time. I quickly replied, "200%". I can make more money in private practice (totally) than the highest paid county official, with the exception of the Prosecutor and Judges. The County Surveyor will never be compensated adequately in most counties.

I would love to have the opportunity to work for at least 2 years full-time just to see what I could get done. I seriously doubt that I could accomplish nearly as much as I would desire. The overall funding for the support needed would not be there. Anyway, I would find the temptation to indulge in a little side business too much to bear. In spite of all the frustrations of private practice, I still love it.

My solution to the problem is to do away with the office of County Surveyor (really) and create a state-wide component to assume the function of the office. This should be under the wing of the Department of Natural Resources which has the superstructure necessary to underwrite the program. One Registered Land Surveyor could be responsible for an area of 3 or more counties. He could easily supervise at least 2 crews of qualified technicians and could tap a pool of equipment and resources feasibly impossible for one county to maintain. This would also serve as a much needed training ground for future land surveyors and technicians. The funding could be accomplished by a tax levy at county level nearly commensurate to the present funding of the office.

The biggest obstacle that we would have would be convincing our legislature of the benefits of such a change. This would require a constitutional amendment which is not easily done in Indiana. I have no idea how my fellow County Surveyors feel about this. I would respect their opinions on this and may be persuaded that I am wrong on this approach.

I'm convinced that this change could only come about through the cooperation of ISPLS. Your newly formed sub-group has done well in pointing out the problem and accumulating support for your goals, but lacks the effectiveness afforded ISPLS in these matters. I suggest that you try to work within ISPLS as much as possible in order to realize these goals. I don't believe the controversy is as great as you may think or that you are entirely without support from the County Surveyors themselves as is evidenced by this letter.

I would greatly appreciate your thoughts in reply.

Sincerely,

Michael D. Arena

CBM Computer Center 3390 W. 86th St. Suite D1 Indianapolis, IN 46268 (317)876-1534

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List of Indiana State Legislators by District

ISPLS Government Affairs

ISPLS is pursuing a number of legislative goals this year both on its own and in concert with other related professional societies. Included on the agenda this year are bills on continuing education, establishment of a professional review panel, right of entry, and a four year degree requirement for registration.

Several continuing education bills are in the legislature this session including the ISPLS bill, HB 1649, which is merely enabling legislation. Another bill, HB 1816, which ISPLS is also supporting, would require continuing education in all of the occupations and professions licensed by the state.

A bill (SB 388) which would create professional review panels to review claims of malpractice against design professionals is also making its way through the legislative process. Additionally, there is a bill (SB 395) pending which would allow adjoining owners to acquire abandoned railroad right of way. (see related article elsewhere in this issue).

The ISPLS membership may be called upon to contact its legislators either during this session or prior to the beginning of the next legislative session. Be familiar with your House and Senate districts and make every effort to get to know your senator and representative(s). Following is a list of the senators and representatives of the State of Indiana.

State Senators

District

1	Frank Mrvan, Jr.	(D)
2	Ralph J. Potesta	(R)
3	Carolyn Brown Mosby	(D)
4	John Bushemi	(D)
5	William Costas	(R)
6	Sue Landske	(R)
7	Katie Wolf	(D)
8	Dennis P. Neary	(D)
9	V. Richard Miller	(R)
10	Douglas A. Hunt	(D)
11	Joseph C. Zakas	(R)
12	Richard E. Shank	(R)
13	John B. Augsburger	(R)
14	Richard W. Worman	(R)
15	Thomas Wyss	(R)
16	John R. Sinks, Jr.	(R)
17	Harold Wheeler	(R)
18	William F. Justice	(R)
19	Larry D. Macklin	(D)
20	Roger L. Jessup	(R)
21	Steven R. Johnson	(R)
22	Michael E. Gery	(D)
23	Joseph W. Harrison	(R)
24	Richard A. Thompson	(R)
25	William D. McCarty	(D)
26	Allie Craycraft, Jr.	(D)
27	Allen Paul	(R)
28	Michael K. Rogers	(R)
29	William Soards	(R)
30	Virginia Blankenbaker	(R)
31	William H. Vobach	(R)
32	Patricia L. Miller	(R)
33	Louis Mahern, Jr.	(D)
34	Julia M. Carson	(D)
35	Morris H. Mills	(R)
36	Lawrence M. Borst	(R)
37	Edward A. Pease	(R)
38	Robert Hellmann	(D)
39	James R. Monk	(D)
40	Vi Simpson	(D)
41	Robert D. Garton	(R)
42	Thomas D. Hession	(R)
43	Johnny Nugent	(R)
44	Joseph V. Corcoran	(R)
45	James A. Lewis	(D)
46	Kathy Smith	(D)
47	Frank L. O'Bannon	(D)
48	Lindel O. Hume	(D)
49	Joseph F. O'Day	(D)
50	Gregory D. Server	(R)
00	Gregory D. Berver	(11)

State Representatives District		Distr	State Representatives District			
1	Orville H. Moody	(R)	3 9	John W. Donaldson	(R)	
2	Brad Fox	(R)	40	Samuel R. Turpin	(R)	
3	Bruce Carter	(D)	41	Dan L. Pool	(R)	
4	Philip T. Warner	(R)	42	Lee Clingan	(D)	
5	Paul Reese	(R)	43	Jerome Kearns	(D)	
6	Richard W. Mangus	(R)	44	John J. Thomas	(R)	
7	B. Patrick Bauer	(D)	45	John Gregg	(R) (D)	
	Thomas Kromkowski	(D)	46	Wendell L. Tincher	(D)	
8	Michael A. Dvorak	(D)	47	Richard D. Bray	(R)	
9	Anita O. Bowser	(D)	48	R. Michael Young		
J	Mary Kay Budak	(R)	40	Donald T. Nelson	(R)	
10	Ralph Donald Ayres	(R)		Joyce Brinkman	(R)	
10	Esther Wilson	(D)	49	John S. Keeler	(R)	
11	Paul J. Hric	(D)	49	Paul S. Mannweiler	(R)	
11	John S. Matonovich	(D)		William I. Spencer	(R)	
12	Earl L. Harris	(D)	50	Lawrence L. Buell	(R)	
12	Jesse Villalpando	(D)	50	Brian Bosma	(R)	
13	Chester F. Dobis	(D)			(R)	
14	Charlie Brown	(D)	51	Jack Cottey William A. Crawford	(R)	
11	Earline S. Rogers	(D)	91		(D)	
15	Esther Fifield	(R)		John J. Day Joseph W. Summers	(D)	
10	Jerome J. Reppa	(R)	52	David N. Jones	(D)	
16	Walter J. Roorda	(R)	02	Eugene R. Leeuw	(R)	
17	G. Edward Cook	(D)			(R)	
18	Thames L. Mauzy	(R)	53	George E. Schmid Ray Richardson	(R)	
19	Robert K. Alderman	(R)	54	Thomas D. Coleman	(R)	
	Stephen J. Gabel	(R)	55	Ralph Underwood	(R)	
	Mitchell V. Harper	(R)	56	Richard Bodiker	(D)	
20	Barbara L. Engle	(R)	5 7	Stephen C. Moberly	(D)	
20	Phyllis J. Pond	(R)	58	H. Jack Mullendore	(R)	
	Richard L. Worden	(R)	59	Robert Hayes	(R)	
21	Dan Stephen	(R)	60	Jerry F. Bales	(D)	
22	Gregory E. Mishler	(R)	61	Mark Kruzan	(R)	
23	Raymond Musselman	(R)	6 2	Donald W. Dean	(D)	
24	Thomas Weatherwax	(R)	63	Donald E. Hume	(R)	
25	Claire Leuck	(D)	64	Mark A. Palmer	(D)	
26	Stanley G. Jones	(D)	65	Frank Newkirk, Jr.	(D)	
27	Sheila J. Klinker	(D)	66	Baron P. Hill	(D)	
28	James J. Davis	(R)	67	Edward E. Goble	(D)	
29	Brad Bayliff	(R)	68	Robert J. Bischoff	(D)	
30	Earle Howard	(D)	69	David Cheatham	(D)	
31	M. Tracy Boatwright	(D)	70	Paul J. Robertson	(D)	
	P. Richard Beck	(D)	71	Richard B. Wathen	(D)	
32	Jeffrey K. Espich	(R)	72	William C. Cochran	(R)	
33	David A. Hoover	(R)	73	Dennis K. Heeke	(D)	
34	Hurley C. Goodall	(D)	73 74	Michael K. Phillips	(D)	
35	Marc Carmichael	(D)	75	Dennis T. Avery	(D)	
36	Patrick J. Kiely	(R)	, ,	Vaneta G. Becker	(D)	
00		(20)		valleta G. Decker	(R)	

(R)

Larry E. Lutz

J. Jeff Hays

(D)

(D)

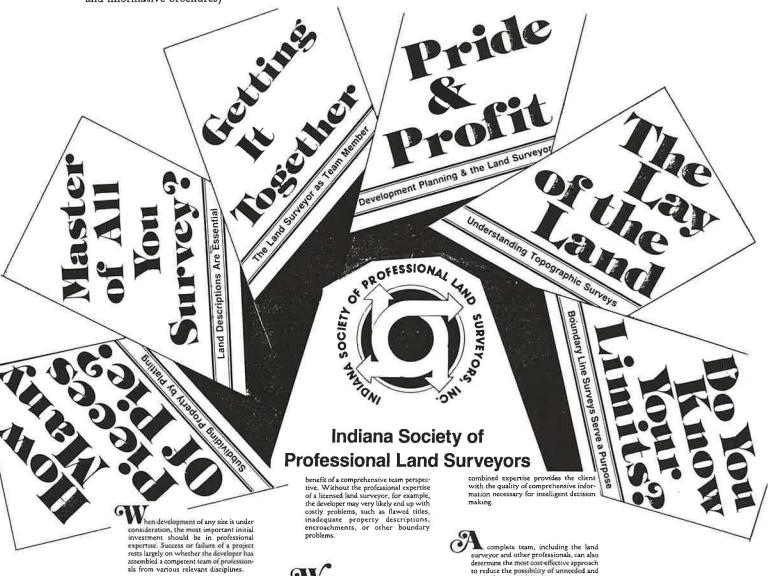
Rolland L. Webber

Richard M. Dellinger

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Promotional Brochures Now Available

(Editor's Note: ISPLS has received permission from the Minnesota Land Surveyors Association to reprint its brochures with the necessary changes to make them applicable to the State of Indiana. These brochures are now available from ISPLS Headquarters at cost which is 25 cents a piece or \$1.50 for a set of the six different brochures. Contact Peggy if you are interested in educating your clients or potential clients with these attractive and informative brochures)



Market projections, site selection, building design, financing—all are secondary to the formation of a team with the ability to address these and other questions in a most efficient, cost effective and

Such a ream may include all or some of the following experts, and perhaps other

Plach team member contributes expertise in his or her professional capacity, providing the analysis, review and advice the developer needs to minimize the risk

wary with the type and size of the proposed project, as a general rule the larger and more complex a project, the larger the number of experts needed. The most basic

team will usually include a land surveyor, architect, engineer and attorney for a simple building project.

While some areas of competence ma

llana statutes designate the licensed land surveyor as the person empowered to apply the principles of mathematics, science and law to measure and locate property lines for the purpose of prepar ing and perpetuating maps, record plats

As a member of the team, the licensed land surveyor works with the client and with other members of the team in a number of areas. The surveyor writes and reviews land descriptions, checks for discrepancies in descriptions with adjacent property, performs boundary and topo-graphic surveys, and looks for potential problems relative to lines of land occupa-

tion. The surveyor is also qualified to address questions of land development planning, zoning and subdivision regula-tions, grading and drainage, subdivision

NEEDED LAWS.

To The Legislative Committe:

It was ordered by the Society of Civil Engineers and Surveyors of the State of Indiana, that the following points be referred to your Honorable Committee, and that you seek to obtain legislation thereon:

FIRST. Law defining a legal notice to land owners and apportioning the cost of survey justly.

SECOND. A law making the county surveyors a commissioner in the partition of estates and fixing the fees for the same.

THIRD. A law requiring the board of county commissioners to provide a suitable office, instruments and blanks therefor.

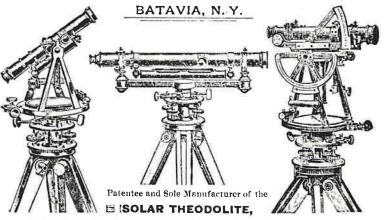
FOURTH. A law giving the county surveyor authority to correct faulty descriptions in deeds.

FIFTH. Law, to put him under a \$5000 bond and make his bondsmen responsible for all blunders carelessly and maliciously made by him, and providing that such surveyor may correct any mistake or blunder made by him at any time within two years from the date of such mistake or blunder.

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(From the Proceedings of the Indiana Society of Civil Engineers and Surveyors of the State of Indiana- Ninth Annual Meeting, January 1889)

19

Indianapolis Man Sues to Get Abandoned Railroad Property

(From the Indianapolis Star, February 5, 1987)

An Indianapolis homeowner filed a lawsuit Thursday seeking title to abandoned railroad property adjoining his property.

Francis A. Murphy, 210 South Bancroft Street, asked Marion Superior Court Judge Kenneth H. Johnson to grant him title to an abandoned Conrail right of way two blocks South of Washington Street between Emerson and Riley Avenues.

Murphy said he had tended to the property since the tracks were removed and wanted to assume ownership to protect it from students from nearby Thomas Carr Howe High School. The students frequently trespass on his land, he said.

Murphy said he tried to buy the land from Conrail but they would only give him a quit-claim deed and not a general warranty deed to the land. A quit-claim deed is an assignment by the grantor of any right he may have to the property, whereas a general warranty deed is assignment of clear title.

"The railroad wants to sell, but they can't give you a good title," Murphy said.

Under Indiana law, ownership of abandoned railroad land reverts to the original owners or their heirs. Murphy tracked down the heirs to the 1891 owner, and they signed over their interest in the land to him, the lawsuit said. A bill providing that owners of adjoining property can acquire title to abandoned rail lines is pending in the Indiana General Assembly.

The Conrail track, the main line of the former New York Central, was abandoned in 1982, according to the lawsuit.

Central Federation of Surveying Societies A Proposal

Michael G. "Mickey" Shackelford, President of the Oklahoma Society of Land Surveyors and NSPS Governor from Oklahoma, is spearheading an effort to organize the central state surveying societies to form a unified voice called the Central Federation of Surveying Societies (Cen-Fed). The purpose of the unification would not be to lose the individual identities of each state, but rather to strengthen them by combining the individual state's efforts to promote the profession of Land Surveying at all levels.

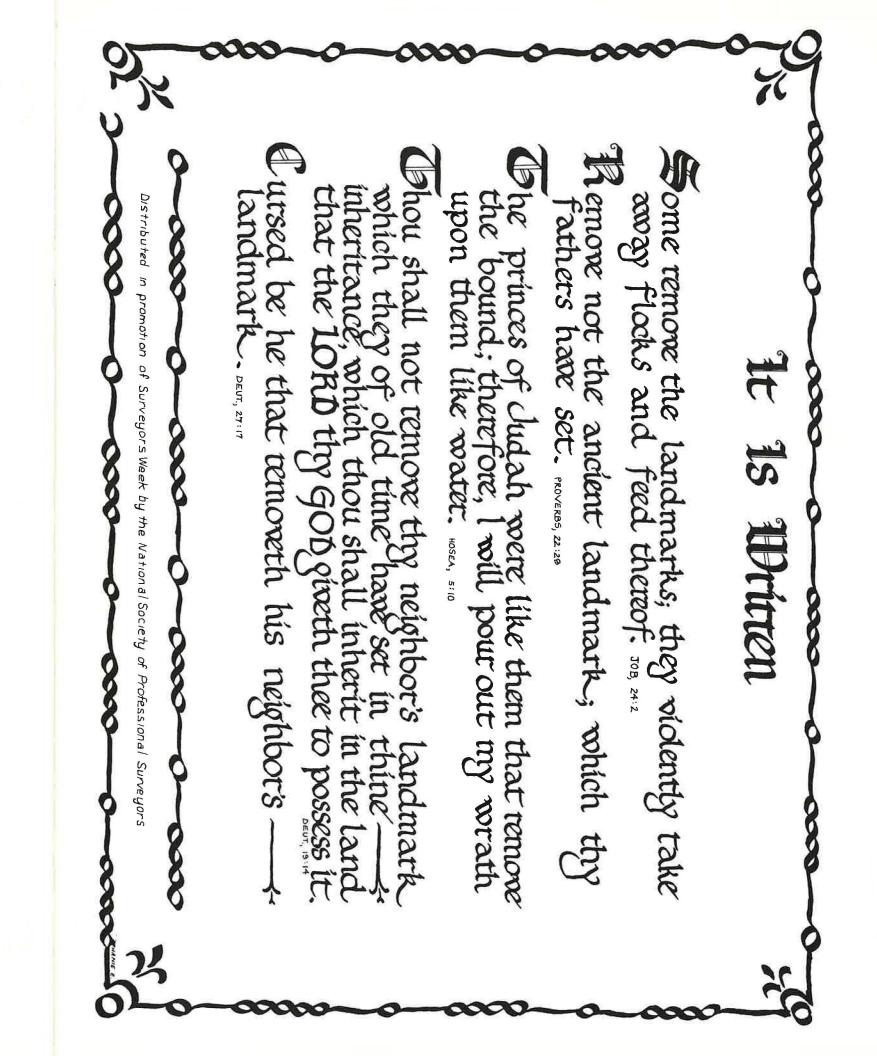
Multi-State meetings and conventions could be held every other year or so to exchange ideas and knowledge. By combining these meetings an exchange of a much broader scope of information concerning surveying and surveyors could be made.

The state surveying societies involved could better afford quality programs and speakers at the multi-state level as well as at their own annual meetings and conventions. This could apply to seminars, short courses and workshops that are held on a regular basis by each state.

If you support the concept of the Central Federation of Surveying Societies, Mr. Shackelford is asking that you let your state Board of Direction know. Also, send your ideas, recommendations and comments to:

Michael G. Shackelford, RLS PO Box 1547 Norman, Oklahoma 73070

Or call: (405) 364-3321



News from ACSM and its Affiliates

Drainage Design

The Evergreen Surveyor reported in its August 1985 issue that there are only seven states remaining which allow surveyors to perform drainage design. These states are Indiana, Delaware, North Carolina, Tennessee, Maryland, Vermont and Virginia. The opinion was rendered that unless the surveying societies in each of these states remains vigilant, the respective legislatures may very well declare surveyors inadequate to perform drainage design.

The Surveying Scene

In his regular column in The Texas Surveyor, Ken Gold asked "What real value is a marker or monument (pipe, rod or whatever) that is not called for in any known document!"

Mr. Gold proposes that the surveyor should be asking him or herself many questions about such a monument, such as:

- -By what authority does the monument exist?
- -Was the marker set by a surveyor to mark a corner?
- -Was it set by a surveyor to witness a corner?
- -Was it set by "call" from only one direction and distance?
- -Was it set in respect to some proration of the parent tract?
- -Could the landowner or former landowner have set the mark?
- -How old does it appear to be?
- -Are there other similar markers in good relation to this marker on other tracts?
- -Does it fit occupation, fences, roadway widths?
- -Could the marker be the remains of an old guy, or a post or a cow stake?
- -Does anyone in the area know who set the marker?
- -Does it have a survey cap with a registration number?

ACSM Legislative Clearinghouse

The American Congress on Surveying and Mapping will be unveiling a new State Legislature Clearinghouse program at its Annual Meeting March 30-April 3 in Baltimore. Through this new program, state affiliates will have access to the most up-to-date information on state legislation affecting the profession.

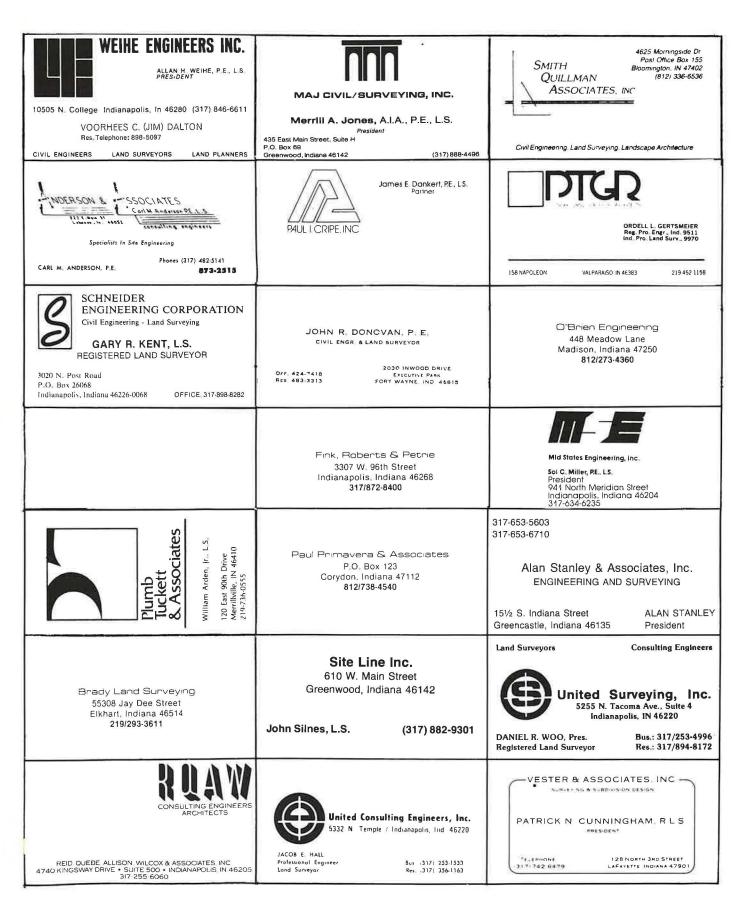
The program is based upon "State Net", an on-line computer-based state legislative reporting service to which ACSM has subscribed.

The service will provide information on current legislation and a library of current laws affecting the surveying profession and will be free to all ACSM state affiliates and sections.

Interested In Joining Your National Association?...

Association?
Complete the form below to receive information about the American Congress on Surveying and Mapping.
Yes, I am interested in receiving information about ACSM. Please send information to:
Name
Address
City
State Zip
Telephone
RETURN FORM TO: ACSM Membership Department 210 Little Falls Street Falls Church, Virginia 22046 703 241-2446

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(Type or Print all information - check box for mailing address desired.)

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☐ BUSINESS ADDRESS	Street and Number	0.	01-1-	Zip	_ PHONE _	
	Street and Number	City	State	Zip		
PRESENT OCCUPATION_	Firm Name					Position
SCHOOL ATTENDING	Name					Grade
REGISTRATION STATUS_	L.S., P.E., or S.I.T. Number					
MEMBER OF AMERICAN (NEVING AND				State
MEMBER OF AMERICAN C	JONGHESS ON SUF	IVETING AINL	MAPPING	ļ.	Yes	No
MEMBER OF LOCAL CHA	PTER OF I.S.P.L.S.	Yes		No	a a_	Chapter
TYPE OF MEMBERS MEMBER	\$90.00 \$50.00 \$50.00 \$10.00 ne			Address	he Constitu	
		Signature				Dat

MEMBERSHIP CLASSIFICATIONS

A member of this Corporation shall be limited to Registered Land Surveyors in good standing with the Indiana State Board of

Registration for Land Surveyors. A member shall be eligible to vote, hold office and to participate fully in the affairs of the Corporation.

Junior:

A Junior Membership will be granted to those non-registered individuals who are endeavoring to make Surveying their chosen career. A Junior Member is entitled to vote and participate fully in the affairs of the Corporation but shall not be entitled to hold office.

Associate: An Associate Membership will be granted to anyone who is associated or affiliated with the Land Surveying profession but is not otherwise pursuing registration or any non-resident who is registered and in good standing as a Land Surveyor. An Associate Member is not entitled to vote or hold office but will receive Newsletters and be invited to participate in meetings.

Student: A Student Member shall have the same eligibility requirements as those of a Junior Member, except that this class of Membership shall apply for a period of four (4) years only. A Student Member is not entitled to vote or hold office but will receive Newsletters and be invited to participate in meetings.

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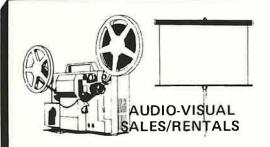
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