

HOOSIER SURVEYOR



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PROFESSIONAL LAND SURVEYORS, INC.

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NUMBER 4
SPRING 1995



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E.R. Gray, III, ISPLS President, (Left) standing with Nancy L. Parke, Director, Government Affairs ACSM, and John Dailey, ACSM President, at the Spring ACSM/ASPRS Annual Convention in Charlotte, North Carolina.

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(317) 687-8859
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Articles and columns appearing in this publication do not necessarily reflect the viewpoints of ISPLS or the Hoosier Surveyor staff, but are published as a service to its members, the general public and for the betterment of the surveying profession. No responsibility is assumed for errors, misquotes or deletions as to its contents.

Editorial Advertising Offices
55 Monument Circle, Suite 1222
Indianapolis, IN 46204
(317) 687-8859

Editor: Mike Crawford
(317) 876-0064

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CONTENTS

Masthead 1
 President's Thoughts 2
 ISPLS Board Of Directors Meeting Highlights 3
 Recent Indiana Land Surveyor Registrants 1994-95 4
 County Recorder's Survey Recordation Requirements 5-12
 NSPS Governor's Report 15-17
 Surveyors Historical Society 17
 Professional Development 19
 County Surveyors Association Meeting at Road School .. 20
 Top IOSHA Citations 1994 21
 Directory Update/Calendar/Classified/POB's Surveying
 Automation '95 22
 Sustaining Members/Firm Members 23-25

Committee Assignments (1995)

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PRESIDENT'S THOUGHTS

by E.R. Gray, III, PLS, Columbus, IN

The High Accuracy Reference Network (HARN) is one step closer to reality in Indiana. As of today April 18, 1995 it is my understanding that House Bill 1036 has cleared all the bases in both the Indiana House and Senate and is on its way to the Governors office. House Bill 1036 as originally written was directed to Regulated Drain maintenance. In brief it said if you have a Regulated Drain running through your land and you wish to relocate or improve it at your expense and such work did not effect any others in the water shed, you could do so without a public notice and meeting. The relocation or improvement to the drain would require coordination with and the approval of the County Surveyor.



With the approval and support of Representative Dennis K. Kruse and Senator Robert L. Meeks, sponsors of HB 1036, we were allowed to amend the original HB 1036. The amendment provides that Purdue University under the auspices of the Highway Extension and Research Project for Indiana Counties and Cities (HERPICC) shall establish the Office of Geodetic Adviser for the State of Indiana. The Geodetic Adviser is responsible for the implementation of a new system of geodetic control monuments in the form of a High Accuracy Geodetic Reference Network that is part of the National Spatial Reference System and that meets the needs of geodetic and geographic information uses. It is my understanding that Dr. Boudewijn H.W. van Gelder, Assistant Professor of Civil Engineering at Purdue University, will be named as the State Geodetic Advisor.

With the emphasis on establishing at least one HARN point per county, a survey was sent out to county surveyors in March of 1994. Over half of the county surveyors polled indicated they would, subject to funding, pay for one or more HARN points in their county. The Section Corner Perpetuation Fund appeared to be the most logical source of funding. With that in mind the amendment to House Bill 1036 included language that specifically allows county surveyors the right to use section corner perpetuation monies for the establishment of HARN monuments and control in their respective county. The Section Corner Perpetuation Fund is a dedicated fund. County surveyors are permitted to spend corner fund monies as needed for the establishment and perpetuation of section corners in their county. One dollar for each deed the recorder records goes into the County Surveyors Corner Fund. Additionally, as part of the funding effort, various state agencies, cities, and surveying and mapping companies are being contacted. With the momentum we now have, it is my firm belief that we can meet our goal of at least one HARN point per county.

To get the HARN project to this point has required a lot of hard

work, commitment and time.

I wish to recognize the following groups and individuals whom have played a major role in the HARN program thus far: Representative Sue W. Scholer for all her support and lobbying efforts, and without her I don't think we could have attached the amendment to HB 1036; Purdue University and HERPICC including Charles F. Scholer, Director of HERPICC and Dr. van Gelder; Representative Kruse, Senator Meeks, and Senator Robert D. Garton; the Association of Indiana Counties, President Sue Paris and Nick Pasyanos for their letter writing and lobbying efforts; the Indiana County Surveyors Association for their legislative alert letter sent out by Kent Ward; Indiana Society of Professional Land Surveyors (ISPLS) Governmental Affairs Committee including Gary Kent, Wes Day, and all whom participated in the Legislative Minute Man System; and the ISPLS GIS/LIS Committee, Perry Cloyd-Chairman.

Obviously the HARN is not complete. We still have a monumental task ahead, but now with the benefit of the Geodetic Adviser and those whom are pledging support and funding, it will become reality.

Following House Bill 1036 through the Senate and the House was an education. As I have pointed out, we had the support needed in the House and Senate. However, the roads did become quite treacherous at times. If there was but one lesson to be learned by the experience it's simply this: We as professional land surveyors must consider running for legislative seats so that our profession may be better represented.

Last Word: It's better to train an employee and lose him/her, than to have an untrained employee you can't get rid of.

Professionally Yours,
E.R. Gray III, PLS

1995 ISPLS BOARD OF DIRECTORS SCHEDULED MEETINGS DATES

DAY	DATE	TIME	LOCATION
SATURDAY	MAY 13	10:00 A.M.	HEADQUARTERS
SATURDAY	JUNE 24	10:00 A.M.	HEADQUARTERS
SATURDAY	AUGUST 5	10:00 A.M.	HEADQUARTERS
SATURDAY	SEPT. 23	10:00 A.M.	HEADQUARTERS
SATURDAY	NOV. 4	10:00 A.M.	HEADQUARTERS
WEDNESDAY	JAN. 17, '96	TBA	HOLIDAY INN AIRPORT INDIANAPOLI

ISPLS BOARD OF DIRECTORS MEETING HIGHLIGHTS

by Dianne Bennett, Executive Director

January 18, 1995

The ISPLS Board of Directors held a meeting on January 18, 1995 in Merrillville, Indiana.

The minutes and treasurers report were reviewed and approved.

ByLaws - A formal letter and numerous information on by-laws, constitutions, chapters, and incorporation were handed out and explained by Board attorney Ron Hansell. Attorney Hansell presented "Proposed Amendments to ISPLS By-Laws and "Model By-Laws for ISPLS Chapters". After considerable board discussion on the topic it was decided that President Marbach should address the general membership at Friday's annual membership meeting relative to the chapters and the relationship with ISPLS, Inc.

Convention - Bob Bigelow reported on the 1995 convention and Doug Herendeen reported on the 1996 convention in Indianapolis.

Membership - The following membership applications were presented and approved: Sustaining Member - Municipal Marking Distributors, Inc.; Firm Member - Morley & Associates, Inc.; Member - Kevin Brietzke; Junior - James D. Smale, Duanne S.

Thormalen, Mark E. Bengel; Associate - Mark A. Rosenberger; Student - Glen E. Boren; Life - Brian M. Dickerson, Rex Bowman.

Nomination - Don Bengel, Doug Herendeen and Perry Cloyd were elected to the board. The vacancy on the board will be filled by the new board.

Indiana State Board of Registration - President Marbach reported on the status of continuing education. It appears that continuing education is on hold for now. The ISPLS voluntary program is still ongoing.

New Business - There was discussion on the correspondence from a title company and NSPS regarding survey requirements and extended title coverage.


There was also board discussion on the National Flood Insurance Act.

February 18, 1995

President Gray called the February 18th meeting held at headquarters to order at 10:00 a.m.

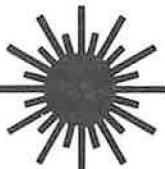
The minutes and treasurers report were reviewed and approved.

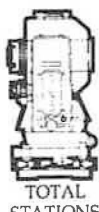
...continued Page 4




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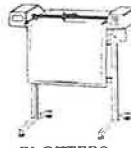
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ISPLS MINUTES

continued from Page 3

By-Laws - There was board discussion on IRC 501 (c) (3) and 501 (c) (6) status for ISPLS. There was also discussion of ISPLS involvement by individual chapter members.

Chapter President's Report - Dan Woo, Central Indiana Chapter reported on the 1996 convention. Alvin Paul, Southwest Chapter discussed Continuing Education. Ron Vuckson, Initial Point Chapter, discussed the action of the registration board agency.

Continuing Education Update: The current activity between the Licensing Agency and the Governor's office indicate that the governor does not want to take action concerning continuing education. The topic is on hold until after the next election. The estimated approval is 1997, and in force by 1999.

Convention - Doug Herendeen reported on the 1996 convention and Chris Marbach reported on the 1997 convention.

Education - A letter from Tony Gregory on speaker compensation and a recommendation by the education committee was discussed. After board discussion a motion was made and passed that the education committee could spend up to \$1000 for a speaker without board approval. Excess of \$1000 expenditure would require board approval.

Membership - The following applications were presented and approved. Student - William Shildmyer; Junior - David Tiemens; Member - Gregory Roberts, Richard Kemper; Associate - Jeffrey Sorg, Bill Nielson

Technicians Committee - There was discussion concerning the involvement of technicians, their membership and increased activity in ISPLS.

County Surveyors - Road School meeting is Wednesday afternoon March 1st at 1:00 p.m.

Indiana State Board of Registration - Two letters were sent with recommendations for openings.

NSPS Governor - Ideas for the PAC gift; and FEMA flood hazard determination by banks, realtors, and other non-surveyors were discussed.

GIS/LIS - Currently waiting on official establishment of State Geodetic Advisor.

New Business - There was discussion on a letter received on the awarding of the Different Drum Award.

Discussion on State law using NAD 27 as accepted coordinate system; needs to be revised and updated to NAD 83. This issue was assigned to a committee.

Discussion on court case in northern Indiana. Submitted to Ethics committee.

Letter in reference to opposition to current legislation relative to gravity sewers and fill statements on final plats.

Discussion on the Indianapolis zoning requirements for final plat and possible pursuit by Tom Dinwiddie. A motion was made and passed to officially write a letter from ISPLS to support verbal action taken.

The sanitary sewer design issue was also discussed and will be assigned to the Government Affairs committee. The concern is a restriction of a surveyor's right to practice and a law suit may be necessary. A motion was made and passed to contact Tom

Dinwiddie to update the status of the legislation.

A general discussion also covered the potential for legislation (existing in other states) which will allow survey registration boards to cover non-registered individuals to participate in surveying activities.

RECENT INDIANA LAND SURVEYOR REGISTRANTS (1994-95)

The following have passed the Indiana land surveying registration examination (and associated educational and experience requirements) during the past year and a half and are fully registered as professional land surveyors in Indiana with all the rights, privileges, and responsibilities associated therewith.

- LS9400000 Robert F. Weaver, 719 Prospect St., Elkhart, IN 46514
- LS9400001 Glenn H. Kracht, 900 W. Crestview Ct., Crown Point, IN 46307
- LS9400002 Charles A. Peoni, 315 E. Hanna Ave., Indianapolis, IN 46227
- LS9400003 Philip D. Going, 212 E. North St., Greenfield, IN 46140
- LS9400004 Wesley J. Meyers, 2002 Bittersweet Dr., Champaign, IL 61821
- LS9400005 Paul A. Thomson, 9575 W. Higgins Rd., Rosemont, IL 60018
- LS9400006 James D. Myers, 1815 N. 77th St., Terre Haute, IN 47804
- LS9400007 Gordon W. Bell, Jr., 10766 W. CR 50 N., French Lick, IN 47432
- LS9400008 David M. Pruett, 2603 Fox Harbour Dr., Indianapolis, IN 46227
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- LS9400013 Dale L. Kesler, 67191 Conrad Rd., Edwardsburg, MI 49112
- LS9400014 Robert P. Kirkley, 389 Larimar Tr., Valparaiso, IN 46383
- LS9400015 Paul V. Schwimmer, 2936 Madrono, Ann Arbor, MI 48103
- LS9400016 Ralph E. Willis, 3812 Oakview Dr., Richmond, IN 47374
- LS9500000 Harold C. Tunget, 219 E. State St., Pendleton, IN 46064
- LS9500001 Mark A. Schepers, 8851 Lesley Lane, Brownsburg, IN 46112
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- LS9500004 Mark H. Landstrom, 10324 S. Kenneth, Oak Lawn, IL 60453
- LS9500005 Russell Dillon, 616 Wheeler, Griffith, IN 46319

COUNTY RECORDER'S SURVEY RECORDATION REQUIREMENTS

by Gary R. Kent, PLS, Indianapolis, IN

In the fall of 1994, a questionnaire was sent out to all 92 Indiana county recorders. Fifty-nine responded, although four of the responses did not indicate which county they were from. This information is current as of the date of the responses; however, there is no guarantee as to the on-going accuracy of the data. Prior to recording a survey in any county -- perhaps even prior to preparing the survey drawing -- the surveyor should contact the county recorder as to their current requirements. Thirty-seven recorders felt it would be helpful if the State Board of Accounts, ISPLS, and the Recorder's Association established one set of survey recordation procedures.

A copy of the questionnaire is attached herewith.

SURVEY RECORDATION QUESTIONNAIRE

COUNTY: _____

NOTE: This questionnaire relates to recording plats of survey, not subdivision plats.

1. Does your office have specifications or limitations on the allowable size of survey to be recorded?
Yes ____ No ____
If yes, please state your requirements _____

- If you have published requirements for the recordation of survey plats, please attach a copy with your response.
2. What type of media (paper/mylar/etc.) do you require surveys be submitted on for recordation?

3. Do you require that any extra copies of the survey be submitted? If so, how many and on what type of media? _____
4. Where do you record surveys (i.e. Deed Records, Miscellaneous Records, Survey Records, etc.)?

5. Are your surveys microfilmed? _____
6. How do you read and copy surveys? _____
7. Do you have reproduction machines to copy larger sheets? _____
8. How do you index surveys (i.e. by owner, surveyor's name, section/township/range, subdivision name, etc.)? _____
9. Are your fees for survey recordation in accordance with I.C. 36-2-7-10 -- County Recorder's Fees? If not, what are they? _____
10. Are there any other offices that require a fee related to the recordation of survey plats? If so, which offices and what are the fees?

11. What are your office hours? _____
12. Is there a restriction on when you accept documents for recordation? If so, what are the associated hours? _____
13. Is there any other pertinent information that you feel would be of assistance to surveyors or other recorders planning to record surveys. _____
14. Would you consider it helpful if the Recorder's Association, the Surveyors Association and the State Board of Accounts combined resources to create one set of procedures for survey recordation? _____

Thank you very much. Please return in the self-addressed, stamped envelope to: Gary R. Kent, Schneider Engineering Corporation, 3020 North Post Road, Indianapolis, Indiana 46226

...continued Page 6

RECORDATION REQUIREMENTS

... continued from Page 5

	1	2	3	4	5	6	7	8	9	10	11	12	13
Adams	N	P,M	2(h)	PR	Y	-	N	O,T,S	Y	N	8-4:30	N	
Allen													
Bartholomew	N	-	1	-	Y	Y	N	O,STR	Y	N	8-5	8-4:30	N
Benton													
Blackford													
Boone	Y(a)	K	2(x)	SR	N	-	N	TR,SD	Y	-	8-4	N	N
Brown	N	MP	1(P)	SB	Y	-	N	O,STR,SD	Y	N	8-4	N	N
Carroll													
Cass													
Clark	N	P	N	MR	Y	MI	Y	O	Y	N	8:30-4:30	N	N
Clay													
Clinton	Y(c)	P	N	SB	Y	-	N	STR,SD,T	Y	-	D	N	E
Crawford													
Davies	Y(f)	BP	N	SM	Y	MI	N	O	Y	N	8-4	N	N
Dearborn	Y(e)	M	N	DR	N	PO	N	O	Y	PZ	8:30-4:30	N	N
Decatur													
DeKalb	Y(g)	P	N	SR	Y	MI	N	TC,O,S	Y	N	8:30-4:30	8:30-3:45	
Delaware	Y(i)	M	N	PR	Y	MI	Y	SD	Y	N	8:30-4:30	N	
DuBois	Y(k)	P	N	SR	Y	RE	Y	STR	Y	N	8:00-4:00	N	N
Elkhart	Y(dd)	M	N	MS	Y	MI	N	STR,O,S,D	Y	N	J	N(d)	N
Fayette	Y(j)	P	N	SI	Y	MI	N	STR,O	Y	N	L	N	N
Floyd	Y(dd)	X	N	MR	Y	MI		O	Y	N	8:00-4:00	N	
Fountain	N	X	N	MR	N	C	N	STR,O,S,D	A	N	B	E	
Franklin	Y(e)	P,M	N	SB	Y	MI	N	O,STR	Y	N	8:30-4:00	N	TT
Fulton													
Gibson													
Grant													
Greene	N	PL	N	MR	Y	C		O	F	N	8:00-4:00	N	N
Hamilton													

RECORDATION REQUIREMENTS

	1	2	3	4	5	6	7	8	9	10	11	12	13
ancock													
Harrison	N	P	N	SR	N		N	STR,O	Y	N	G	H	N
Hendricks	Y(k)			MR	Y		N	O,S	Y		8:00-4:00	N	
Henry													
Howard	Y(m)		1	MR,SB	Y		Y	O,S,DM	Y		8:30-4	N	
Huntington	N	X	N	MR	Y	MI	Q	O,T	Y	N	8-4:30	N	R
Jackson													
Jasper	N	NM	N	SR	U	C	N	STR,T,SD,RQ	Y	N	8-4	N	V
Jay	Y(n)	P	N	MR	Y		N	O	Y	N	8:30-4	N	N
Jefferson	Y(a)	M	1	MR	Y			S,O,T	Y	W	8-4	H	
Jennings													
Johnson	N(p)	X	2(X)	SR,MR	Y	MI	Y	STR,O	Y	N	8-4:30	N	
Knox	Y(m)	P	N	SB	Y	MI		O	Y	N	8-4	N	N
Kosciusko	N	X	N	MR	Y	MI	Y	O,S,LE	Y	N	Z	N	N
LaGrange	Y(j)	AA	N(c)	MR,SF	Y	MI	N	STR,O	Y	BB	8-4	CC	
Lake													
LaPorte	Y(e)	M,P	N	SR	Y	MI	N	STR,SD	Y	N	8-4 CST	DD	
Lawrence													
Madison													
Marion	Y(e)	M,P	N	SR	Y	MI	N	STR,O	Y	N	8-4:30	EE	
Marshall	Y(q)	M	N	DR,SR	Y	PM	Q	STR,O	Y	BB	8-4	N	I
Martin													
Miami	Y(j)	P,M	N	MR	Y	Y	N	LC,O	Y(m)			N	GG
Monroe	Y(r)	P	N	MS	N	EX	Y	STR or SD, & O	Y	N	8-4	N	I
Montgomery													
Morgan	Y(e)	P,M	N	SR	Y	MI	Y	STR or SD, & O	Y	N	J	N	RR
Newton	N	PP	HH	MR	Y		Q	O	Y	N	DD	N	
Noble	Y(aa)(p)	M	3(M)	PB	Y	MI,C	S	SD	Y	N	DD	N	KK
Ohio	Y(bb)(p)	M	N	DS	N		Y	STR,O,T	JJ	N	QQ	N	
Orange													

RECORDATION REQUIREMENTS

	1	2	3	4	5	6	7	8	9	10	11	12	13
Owen													
Parke													
Perry													
Pike	N(cc)	UU	N	SR	Y	-	C	O,STR	Y	Y(t)	8-4	N	-
Porter	Y(e)	P	1	PR	Y	MI	Q	O,STR	Y	N	8:30-4:30	N	-
Posey													
Pulaski	Y(hh)	P	N	PR	Y	MI,C	N	O	Y	N	8-4	N	VV
Putnam													
Randolph													
Ripley	Y(dd)	M	3	SR	N	-	t	O,SD	Y	PC	8-4	-	XX
Rush	N(ee)	X	N	SB	Y	-	-	O,S	(ee)	(ff)	8-4	-	-
St. Joseph	Y(gg)	P	N	MR	Y	-	N	O,T,SD	Y	N	8-4:30	N	YY
Scott													
Shelby	Y(e)(aa)	MB,OR	1(M)	SB	Y	MI	-	STR	Y	N	8-4	N	ZZ
Spencer	N	X	N	SR	N	-	N	O	\$15	N	8-4	N	-
Starke													
Steuben	N	P	N	DR,SR	Y	MI	N	O,S,SD,STR	Y	N	8-4:30	N	-
Sullivan	Y(j)	P	N	MR	Y	MI	Y	O,STR	Y	N	8-4	N	-
Switzerland													
Tippecanoe	N	P	1(P)	SR	Y	MI	Y	O,STR,SD	Y	(t)	8-4:30	N	-
Tipton													
Union	N	X	OP	MR	N	C	N	STR	Y	N	LL	N	-
Vanderburgh	N	M	N	SR	Y	-	N	O,STR,SD	Y	N	8-4:30	N	N
Vermillion													
Vigo	Y(dd)	X	N	MR,SR	Y	MI	N	(pp)	(ee)	N	8-4	N	N
Wabash	N	P,M	HH	MR	Y	-	Q	(jj)	Y	N	8-4	N	VV
Warrick													
Washington													
Wayne	N	X	N	PR	Y	MI	N	O,S,STR	Y	N	WW	N	I,MM
Wells	N	P	N	MR	Y	MI	Q	OT	Y	N	8:00-4:30	N	NN
White	Y(e)	X	N	MR,OV	YL	MI	Q	O,S,STR	Y	N	8-4	N	-
Whitely	N	X	N	SIB,TB	Y	-	-	STR,O,S,SD	Y	N	GA	N	BN

RECORDATION REQUIREMENTS

Key to Abbreviations

- (---) 18" X 24" required, however, will accept 8 1/2" by 14"
- (b) Must provide black line mylar no larger than 16" by 18" to place in Survey Book
- (bb) 16" X 19"
- (bb) 18" X 24" with 2" border
- (c) No extra copies for surveys, 5 extra copies for plats
- (cc) No size restriction, but prefer max of 11" by 17"
- (d) prefer early in the day
- (dd) 18" X 24"
- (e) 24" X 36"
- (ee) \$15 for first page and \$5/addnl pages for any over 8 1/2" by 14"; \$6 for first page and \$2/addnl pages if smaller than 8 1/2" by 14"
- (f) 16" X 22"
- (ff) Don't know
- (g) no requirement, but strongly prefer 8 1/2" X 14"
- (gg) 8 1/2" X 11"
- (h) 2 extra copies required if over 9" X 15"
- (hh) 14" X 17"
- (i) 20" X 24"
- (j) 9" X 15"
- (jj) Mortgagor-Survey; Mortgagee-Surveyor's Name
- (k) 8 1/2" X 14"
- (m) Anything over 9" X 15" is considered oversize (\$15.00 for 1st page, \$5.00 for additional pages)
- (n) [Size restriction indicated, but no required size given in response to questionnaire]
- (p) See attached page outlining county requirements
- (pp) In Misc. records, surveys are indexed by Owner and Surveyor; In Survey records, surveys are indexed by Owner and Township
- (q) 18" X 36"
- (r) Survey Book takes up to 11" X 17"; larger sheets will be filed in Plat Cabinet and indexed in Survey Book.
- s In the Assessor's Office
- t Blue print machine in Auditor's Office
- (t) Auditor requires \$1.00 fee
- (x) Any media allowed for extra copies
- A Regular size \$6.00 1st page, \$2.00 additional pages; Over size (9" X 15") \$15.00 1st page, \$5.00 additional pages
- AA Surveys must be on paper; Plats must be on mylar
- B 8:00-4:00, closed 12:00-1:00
- BB Auditor's office requires \$1.00 fee
- BN Avoid blue ink
- BP Black print on white bond
- C Copier
- CC No recordings after 3:30
- CST Central Time
- D 8:00-4:00 M-W; 8:00-12:00 Th; 8:00-6:00 F
- DD 8:00-4:00
- DM Description in Miscellaneous records
- DR Deed records
- DS Deed Index - Survey Plat Book
- E Recordings after 3:30 are put on the next day
- EE 8:00-4:15
- EX Engineering size Xerox machine
- F \$6.00 1st page, \$2.00 additional pages; \$1.00 for cross reference
- FF Survey must be legible and with all appropriate stamps (Surveyor; and Auditor, Township, Metropolitan Development when required)
- G 8:00-4:00 M,T,Th,F; 8:00-12:00 W and Sat.
- GA 8:00-4:00 M-Th; 8:00-6:00 F
- GG Township name must be shown
- H Recordings after 3:00 go on next day's business
- HH They keep "original"; bring extra copies if you want your own recorded copy
- I Legible
- J 8:00-4:00 M-Th; 8:00-5:00 F
- JJ \$15.00 per survey
- K KC 5
- KK The four required documents are one "original" mylar and 3 mylar copies
- L 8:30-4:00 M-Th; 8:30-5:00 F
- LC Card file by legal description
- LE Legal
- LL 8:00-12:00 and 1:00-4:00 M-F
- M Mylar
- M Black line mylar

RECORDATION REQUIREMENTS

Key to Abbreviations (continued)

- MI Microfilm printer/reader
- MM Any size larger than 22.5" by 15.5" must be microfilmed in multiple shots
- MR Miscellaneous records
- MP None required, but prefer mylar
- MS Indexed in Misc. Index and in individual Survey Books
- N No
- NM Not mylar
- NN Have a small set of index books where surveys are recorded under Section, Township and Range
- O Owner
- OP One extra copy would be appreciated
- OR Original
- OT Owner and cross reference under survey (not Surveyor's Name) [sic]
- OV Oversize sheets are stored in plat cabinets
- P Paper
- PB Plat Books
- PC Planning Commission requires \$15.00 for survey approval
- PL Paper = legal size
- PM Plat maker
- PO Printed from original
- PP No requirement, but prefer paper
- PR Plat records
- PZ Planning and Zoning Dept.
- Q In the Surveyor's Office
- QQ 9:00-4:00 M,T,TH,F; 9:00-12:00 Sat; closed Wed.
- R Be sure to have owner's first and last names on survey
- RE Recordak
- RQ Party requesting survey
- RR Names must be typed or printed beneath all signatures; must be dated & certified; must contain legal description and drawing; must have owner's name; must state whether improvements exist or not
- S Surveyor
- SB Survey book
- SD Subdivision name
- SF Survey file
- SI Survey records indexed in Deed index
- SIB Survey and Plat index book
- SM Survey records in Miscellaneous index
- SR Survey records
- STR Section/Township/Range
- T Township
- TB In an individual township book with Section, Township and Range or Subdivision name
- TC Tract
- TR Township/Range
- TT Believes it is helpful if survey is recorded with deed
- U Not now, but will in the future
- UU Prefer a high quality, long-lasting media be used
- V Prefer to record prior to 3:30
- VV Like good, clear copies; black and white is best
- W Auditor requires \$3.00 fee
- WW 8:30-4:30 M-Th; 8:30-5:00 F
- X Any media
- XX 1 copy for Recorder, 1 for Planning Commission, 1 for Auditor
- Y Yes
- YL Legal size or under are microfilmed
- YY Survey must show Surveyor's name, owner's name and Township
- Z 8:00-4:00 M-Th, 8:00-6:00 F
- ZZ Place owner's name and Twp/RG at top of survey

JOHNSON COUNTY RECORDER

Jacqueline E. Keller
 P.O. BOX 473
 FRANKLIN, INDIANA 46131
 PHONE 736-3718

June 26, 1989

MEMORANDUM

TO: Surveyors of Johnson County
 FROM: Johnson County Recorder
 RE: Recording of Surveys

Thank you for your patience as we have established a system for filing recorded surveys. I appreciate the time and advice many of you have given, after administrative rule 13 was signed into law. It is our hope that this system accomplishes the goals your organization is trying to reach.

Our INDEXES are set up with a page for each quarter section in the less populated townships, and a page for each quarter/quarter section in the more populated areas. Surveys will be indexed in the Grantor Book by name of land owner. In the Survey Index on those pages of the quarter or quarter/quarter sections listed in the Title Block on the Survey.

Our FILE has been set into place and we now have a separate filing system for surveys. There is a file drawer for each (Twp-Range). One drawer for all surveys up to 42" in length.

I am attaching a list of the things we will be looking for at the time of recording. I hope this will serve as a reference during preparation of the surveys. Please distribute this throughout your firm to all surveyors.

Your knowledge and perspective as civil engineers have helped to create this system, it is our hope that it establishes a useable data base, benefiting both professionals and the general public.

Fees will be charged as per our regular fee schedule, set by state statute (information of same on reference page). If you have any questions please feel free to call our office.

Sincerely,
 Jacqueline E. Keller
 Johnson County Recorder

JOHNSON COUNTY RECORDER

Jacqueline E. Keller
 P.O. BOX 473
 FRANKLIN, INDIANA 46131
 PHONE 736-3718

PREPARATION

1. Any size up to 42" width will be acceptable
2. Title Block (in top left corner)
3. Prepared for _____ (to be verified at Auditor's Office on day recorded)
4. Record owner _____
5. Location notation (by 1/4 or 1/2 section) [this will specify as to where it should be indexed in the survey register, it may be indexed more than once but the copy of survey will be filed in the township/range listed first] (This applies to Subdivision Divided Parcels also)
6. Description of land
7. Drawing
8. Date of Survey (in lower right corner)
9. Name of Surveyor, signature, and Surveyor seal (lower right)

RECORDING

1. Please bring original and two copies to record. If you wish a copy for your customer, to be time stamped, please bring another) 1 copy for Auditor
 2. Stop at Auditor's Office to verify current owner at time of recording (while verifying in transfer book, they will note N.S. for future reference, and change any area amount the survey may indicate)
 3. After recordation we will make a copy for filming and one for our flat file.
 4. You will take your original with you as well as any copies for your customer, etc.
- NOTE: The location of Title Block, Date, and Surveyor's signature/seal will be important on those documents that have to be filmed in sections. The first frame will contain the title and the last will contain the signature (since we film from upper left to lower right, on large documents).

FEES

Document not exceeding 9" x 15" \$ 5.00
 Each Additional Page, not exceeding 9" x 15" 1.50
 Document exceeding 9" x 15" 10.00
 Each Additional Page, exceeding 9" x 15" 3.00
 Each Cross reference of a recorded document 1.00

CORRECTIVE SURVEYS

1. Will be recorded in survey record
2. Same fees apply
3. Must note reference to original recorded survey being corrected

Received for Record this 10 day of January, 1992
 at 11:46 o'clock AM, and recorded in M151 Record No. 12
 Page 130
 Recorder Ohio County, Ind.

52257

OHIO COUNTY INDIANA
 ORDINANCE 1991-12-1

WHEREAS real estate is being divided or sub-divided in Ohio County without benefit of a survey, and

WHEREAS under Indiana law including I.C. 36-2-19-1 et seq the County is authorized to require recordation of a survey under appropriate circumstances.

IT IS THEREFORE RESOLVED AND ORDAINED BY THE BOARD OF COMMISSIONERS OF THE COUNTY OF OHIO, STATE OF INDIANA, AS FOLLOWS:

SECTION I. Land Surveyor and survey shall have the meanings set out in I.C. 36-2-19-1 et seq.

SECTION II. Whenever a new tax parcel is created by reason of a transfer or subdivision of real estate in Ohio County, Indiana, then prior to the recordation of the deed for said parcel of real estate, a survey shall be furnished to the Auditor and recorded in the Office of the Recorder of Ohio County, Indiana, as required by I.C. 36-2-19-4, and copies provided to the Ohio County Auditor and Surveyor. A survey shall not be required for lots in a subdivision for which a final plat has been recorded. A survey will be required for the re-subdivision of a platted lot.

SECTION III. Before the survey is submitted for recording, the applicant must first obtain the approval of the Ohio County Plan Commission and the same must be endorsed on the plat over the signature of an authorized official of said Plan Commission.

SECTION IV. A survey required by this ordinance shall be submitted on 18" X 24" Mylar with 2" Border and shall state the following:

- A. Survey shall state whether or not the survey is of all or part of the Sellers land.
- B. Survey shall include the names of all the adjoining owners.
- C. Survey shall include Flood information.
- D. Survey shall include Owners' Certificate.
- E. Survey shall include any variances and easements on property.
- F. Survey shall include Surveyor's Certificate and Notary Certificate.

SECTION V. The fee for recording and filing the survey shall be \$15.00 which fee shall be collected by the County Recorder.

SECTION VI. This ordinance shall be in full force and effect after its passage and publication as required by law.

ADOPTED, this 16th day of December, 1991.

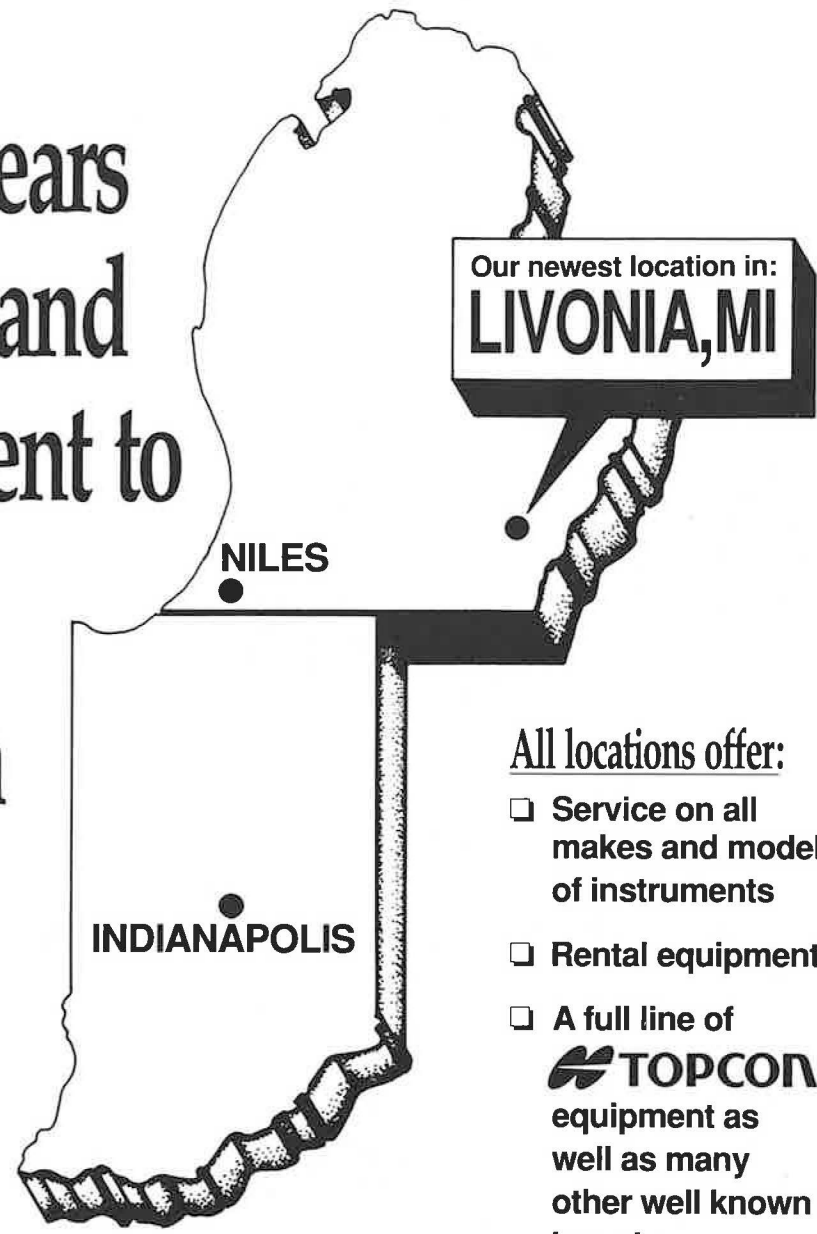
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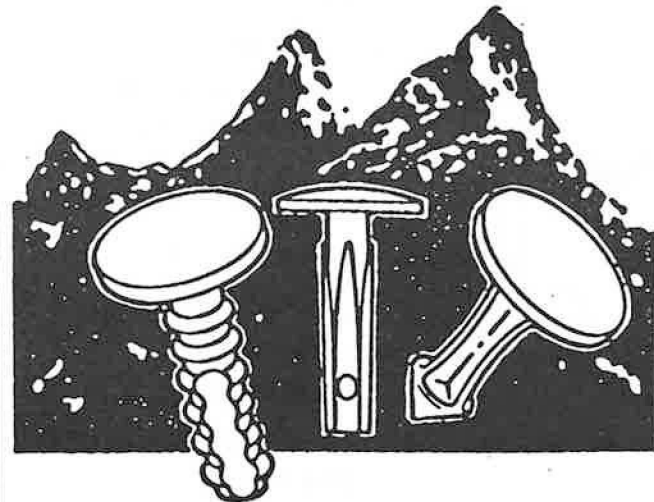
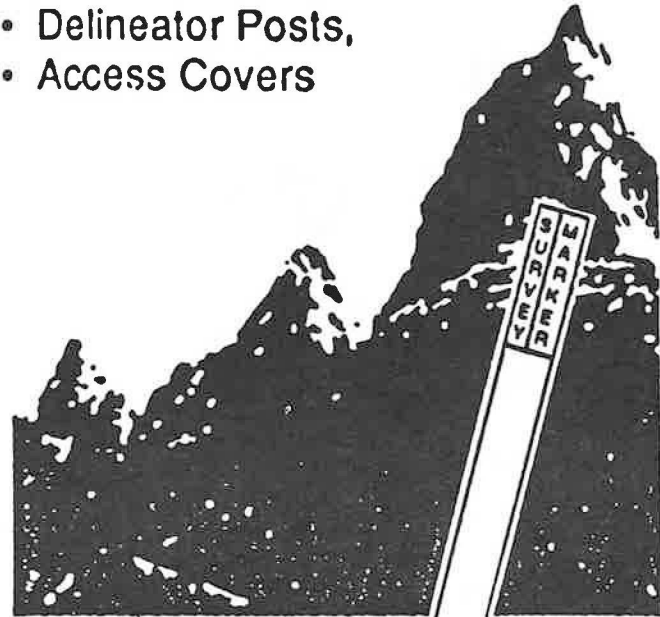
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NSPS GOVERNOR'S REPORT

by E.R. Gray, III, PLS, Columbus, Indiana

The Spring ACSM/ASPRS Annual Convention and Exposition was held in Charlotte, North Carolina; sponsoring Associations included the American Congress on Surveying and Mapping (ACSM), 8,500 members and the American Society of Photogrammetry and Remote Sensing (ASPRS), 8,000 members.

The workshops and technical sessions covered more than 300 topics, such as; Dealing with Wetlands, Practical Analysis and Adjustment of Survey Measurements, Highway and Utility Route Surveying, Chain Throwing, Land Surveying Math, Construction Surveying, Introduction to GIS, ALTA/ACSM Surveys, GIS Case Studies, Surveying History and Land Records to name just a few. Over 90 vendors displayed their products and services in the exhibit area.

Charlotte is one of America's fastest growing metro regions with 430,000 people in the city limits and 1,231,000 in the metro area. Charlotte is the center of the nation's 5th largest urban region. About 250 years ago, Scottish/Irish settlers were following a pair of old Catawba Indian trading routes. Where the paths crossed, the settlers stopped and that's where Charlotte began. In 1799 a 17-pound gold nugget was found near Charlotte.

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

I attended the following business meetings:

Saturday, February 25

Great Lakes Regional Council
NSPS Board of Governors

Sunday, February 26

NSPS Board of Governors
Joint Technical Advisory Committee to FEMA
ACSM/NSPS Pac Auction

Monday, February 27

Surveyors Historical Society

Tuesday, February 28

NSPS Board of Directors

Thursday, March 2

ACSM Board of Direction

The following briefly describes some of the topics and issues discussed:

Report from the Canadian Council of Land Surveyors (CCLS)

A project of collecting various samples of contract forms along with reasons why surveyors should be using written forms was undertaken by CCLS. This has resulted in a 48 page manual, in magazine format. The manual is available from the CCLS Ottawa Office, Ph. 1-613-228-8519.

A public relations project to help enhance the image of the land surveyor and the profession within the consumer community is under way.

CCLS has an active professional liability insurance committee. The committee will be investigating a self funding plan.

Joint Government Affairs Committee (JGAC)

Elimination of USGS--A clear signal was sent to the Republican leadership in the House when Rep. John Kasich (R-OH) took over as chair of the Budget Committee. Kasich indicated that he would move forward with budget reductions and program eliminations similar to those outlined in previous Republican alternative budgets for 1994 and 1995. Elimination of the USGS was included in those budgets. To educate members about the value of USGS programs, specifically the National Mapping Program, ACSM sent letters to every member of the House, Natural Resources and House Budget Committees. JGAC also informed our membership of a the potential problem through our "Grassroots Alert." JGAC lobbied these committee members and Robert W. Foster, ACSM past president testified at the House Energy and Mineral Resources Subcommittee oversight hearing in support of the USGS on February 23. ACSM will also testify before the House Interior Appropriations Subcommittee on March 20th.

In each case, ACSM has offered cost-saving alternatives to abolishing the USGS. JGAC believes that total elimination is not in the public interest. JGAC has indicated to Congress that the USGS National Mapping Program is essential for management, coordination, standards development and quality control of our nation's spatial data.

Bureau of Land Management/NSPS Meeting in Charlotte

BLM requested input from NSPS in designing a resolution on BLM "Roles and Responsibilities". To accomplish this objective, JGAC arranged a resolution for NSPS Board approval. The purpose is to jointly define BLM roles and responsibilities, and when approved by BLM management, NSPS representatives would come to Washington for a workshop with BLM to devise ways to implement the resolution.

Railroad Abandonment

To date the ACSM petition to the ICC remains unanswered despite numerous efforts by ACSM. The ICC General Counsel indicated in January that a decision would be forthcoming by February. As an aside, this year both the Administration and the Republicans plan to abolish the ICC. This may further delay response, as ICC responsibilities would be transferred to the Department of Transportation.

FEMA Technical Mapping Advisory Council

In February ACSM responded to a request from James Lee Witt, Director of the Federal Emergency Management Agency (FEMA) for a nominee to serve on the FEMA Technical Mapping Advisory Committee. The Technical Mapping Advisory Council was initially advocated by ACSM in the recently enacted Flood Insurance Reform legislation (P.L. 103-325).

ACSM nominated Wendy Lathrop to serve on the Council since she has chaired the ACSM Advisory Task Force to FEMA over the

...continued Page 16

NSPS GOVERNORS REPORT

... continued from Page 15

past three years and has expertise in working with flood insurance rate maps.

Bonnie S. Atwell Memorial Fund

The Bonnie S. Atwell Memorial Fund was established in memory of Bonnie S. Atwell, (1948-1994). Bonnie suffered a cerebral hemorrhage on November 5, 1993. She died of complications following the initial illness on August 14, 1994. She was the wife and constant companion of former NSPS director, David A. Atwell. She was a strong supporter of the surveying profession and had traveled extensively with her husband to surveyors meetings around the nation. She left many friends among surveyors and surveyor's spouses across the country.

The object of the fund is to provide some assistance with medical expenses to those within the surveying profession who may be facing financial ruin from medical expenses due to an illness or injury.

The family of Bonnie S. Atwell provided a principal sum of \$20,000.00 to establish the fund. The family hopes to see the principal sum grow by the addition of contributions from others after the initial funding and from ungranted income produced by the fund.

ALTA/ACSM Land Title Surveys

The minimum standard detail requirements for the ALTA/ACSM Land Title Surveys is being reviewed. Revisions are anticipated in the near future.

NSPS Board of Governors (BOG) Elections

Bob Prescott was re-elected as the Chairman.

Thomas Brooks was re-elected as Secretary.

Key Governor Award

James Cristea, NSPS Governor from Arizona, was presented with the Key Governor Award.

Action from NSPS BOG Communications

Motion: Now be it resolved that the NSPS Board of Governors move that the publication staff at ACSM headquarters: Prepare a quarterly feature article concerning ACSM/NSPS affairs for publication in affiliate newsletters. The length of the article be no longer than 1200 words. The articles be prepared no less than every three months. That an appropriate title for the feature be used routinely in order to establish an identity to the feature for affiliate members. Suggested titles include "ACSM/NSPS News" and ACSM/NSPS Letter to Affiliates" this feature be mailed to the Governor for consideration in their publications.

Motion Passed

Regional Conferences

Motion: The NSPS Board of Governors move that the NSPS Program Committee study implementation for ACSM/NSPS affiliate or regional conferences. The anticipated deadline on this item is the Spring 1997 ACSM/NSPS Convention.

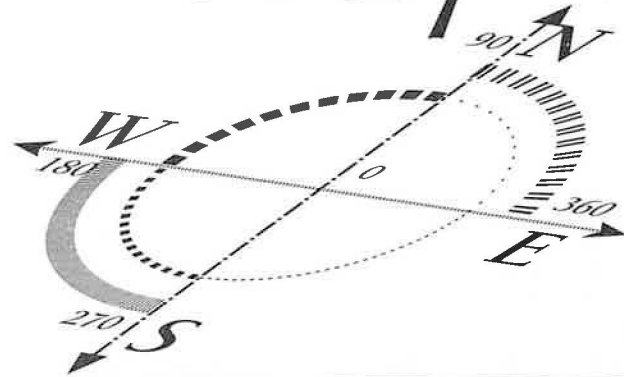
Motion Passed

NSPS Structure

Motion: That the NSPS Board of Governors move that the NSPS Board of Director's direct the NSPS Membership Commit-

...continued Page 17

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NSPS GOVERNORS REPORT

...continued from Page 16

tee to prepare a brochure, handout, pamphlet, or other such promotional media delineating an organization chart of ACSM and its M.O.'s.

Motion Passed

Joint Membership

Motion: That the NSPS Board of Governors move that the ACSM Membership Committee study a joint national, state, and local chapter membership dues structure. A report on this issue will be prepared by the Fall 1996 ACSM/NSPS Convention for review by the ACSM Board of Directors.

Motion Passed

Convention Booth

Motion: The NSPS Board of Governors move that each affiliate state organization of ACSM/NSPS through the affiliate's NSPS Governor provide complimentary booth space, at the affiliates' conventions, to ACSM/NSPS in order to market the benefits of ACSM/NSPS to the affiliate membership. Be it further resolved that ACSM/NSPS headquarters staff provide membership applications, ordering forms for ACSM publications, complimentary issues of the most current ACSM Bulletin, and any other appropriate promotional material as requested.

Motion Passed

Bureau of Land Management

Motion: That the NSPS Board of Directors ask the ACSM Board of Direction to support continued Federal funding for the important functions of the Public Land Survey Systems of the Bureau of Land Management.

Motion Passed

FEMA Certificate

Motion: That flood zone determination should be provided by an individual that is licensed in the state in which the flood zone determination is requested. That the guarantee is subject to the platted and recorded location of the property relating to its position determined on the published Federal Rate Insurance Map. Also, that the Joint Technical Advisory Committee to FEMA, the J.G.A.C. and other relative ACSM/NSPS committees and boards address these concerns and take appropriate action.

Motion Passed

Congressional Contacts

Motion: The Board of Governors recommended to the Board of Directors that a list be compiled, based on input from the ACSM membership, of the individuals that have contacts within the congressional community, with the list being updated annually.

Motion Passed

Railroad Abandonment Funding

Motion: That a \$2,500.00 contingency fund be budgeted by NSPS, Inc. to fund attorney fees, copies and other necessary expenses in which to address the railroad abandonment issue before the I.C.C. and/or any other agency to which the issue might be delegated.

Motion Passed

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

SURVEYORS HISTORICAL SOCIETY NEWS

Tippecanoe Battlefield Museum

Battleground, Indiana

April 1, 1995



The newly refurbished exhibit hall of the Tippecanoe Battlefield Museum at Battleground, Indiana was opened to the public on April 1-2, 1995. It contains an expanded section on the Northwest Ordinance and surveying techniques.



Ronald Bolser of the Old Northwest Surveying Company from Danville, Illinois was on hand to display and demonstrate his antique surveying instruments.

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VOLUNTARY PROFESSIONAL DEVELOPMENT - ROUND 2

by: Anthony M. Gregory, Chair, ISPLS Education Committee

Later this year, all members of ISPLS who are Registered Land Surveyors in Indiana will receive an application for the Voluntary Professional Development Program. This will be the second time that surveyors in Indiana will be able to be recognized for activities which lead to their development as professionals.

ISPLS instituted this bi-annual program at the January, 1992 convention. Participants earn credit in the form of Professional Development Hours (PDH) in the areas of Surveying Practice, Professional Development, Education, and Community Service. A participant who successfully obtains thirty (30) PDH or more within the preceding two-year period will be recognized as a "DISTINGUISHED SURVEYOR".

This is still the only active program directly involving land surveyors in Indiana. There has been much discussion over the past year or so regarding the implementation of a Mandatory Continuing Education Program by the State Board of Registration for Land Surveyors in Indiana. As of this date, this program has not been put into effect, however, since so much discussion has taken place about the proposed program, it is evident that confusion exists among surveyors regarding the difference between the programs. Therefore, it was felt that some explanation of the differences between the existing voluntary professional development program and the proposed mandatory continuing education program might be helpful.

First of all, professional development and continuing education are not the same thing. Continuing education primarily involves efforts to educate, and includes the attendance of courses, seminars, and workshops. Professional development, on the other hand, includes continuing education efforts as well as efforts in other professional development activities. For example, a registrant would receive credit for attendance of a seminar under both programs. However, a registrant would receive credit for active practice as a land surveyor under the professional development program, but not under the continuing education program. Another example is attendance at conventions. Under ISPLS's Voluntary Professional Development Program, attendance at a convention of at least two days earns 2 PDH. Under a Continuing Education Program, attendees would receive varying degrees of credit depending on how many (and which) individual workshops or presentations were attended at the convention. Therefore, a surveyor who is participating in ISPLS's Voluntary Professional Development Program could claim only two PDH for the January, 1995 Convention in Merrillville. (It should be noted here that PDH values were listed for each eligible session for the benefit of surveyors who were registered in states with mandatory continuing education program.) It is necessary that surveyors carefully review the voluntary program application form so that proper credit is applied for.

In closing, it is hoped that the interest in this second round of Voluntary Professional Development Program is better than the first round. Out of 284 registered surveyors who are members of ISPLS,

only 33 applied, and 25 were recognized as a "DISTINGUISHED SURVEYOR" at the January, 1994 Convention in Louisville. Many surveyors are attending workshops and conventions, and many are eligible for this recognition. In addition, mandatory continuing education will become a reality in Indiana sometime in the not-too-distant future, and participation in this program is a good way for the surveyors to begin tracking their individual activities.

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**COUNTY SURVEYORS ASSOCIATION
ROAD SCHOOL MEETING
MARCH 1, 1995, PURDUE UNIVERSITY CAMPUS**



New County Surveyors Association (C.S.A.) officers for 1995-97 elected at the Purdue Road School in March are, left to right, Kent Ward (Hamilton County), secretary-treasurer; Jeffery French (Ripley County), vice-president (south); David Smoll (Hancock County), vice-president (central); Jay Poe (Huntington County), vice-president (north); and Greg Deeds (Miami County), president.



Jeff Souder (Washington County Surveyor), left, president of C.S.A., presents Kent Ward (Hamilton County Surveyor), the President's Award in recognition of his many contributions to the Association through the years including that of being past president and current legislative committee chairman. He also has completed 85% of his county's corner perpetuation program.



An informal committee meeting of the National Association of County Surveyors (NACS), an affiliate of the National Association of Counties (NACo), was held at the Purdue Road School in March. Attending were, left to right, Blake Doriot (Elkhart County); George VanTil (Lake County); Kent Ward (Hamilton County); Patrick Manship (Madison County); and Jack Irwin (Marion County). Indiana surveyors are taking a prominent role in the national organization, as Manship is president; VanTil is 1st vice-president; Irwin is secretary-treasurer; and Doriot is a board member.

TOP IOSHA CITATIONS 1994

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

I have just received my summary of 1994 IOSHA citations. There aren't any real surprises, but there are additions to the list and repeats of previous "hit list" items. In this issue we will discuss some of the citations that could effect surveying operations.

Hazard Communications continues to be a predominant citation on all of the summaries. The Haz-Com standard is broken down into several different citations:

- HAZ-COM - No written program
- HAZ-COM - Employee information & training
- HAZ-COM - Program had incomplete list of chemicals
- HAZ-COM - No MSDS for each hazardous chemical
- HAZ-COM - Employer did not maintain MSDS sheets
- HAZ-COM - Chemical containers not marked with identity
- HAZ-COM - Chemical containers did not have warning labels

All of the above items were on the top 25 cited standards. Four of the HAZ-COM standards made the top 10 citations.

No Safety/Health Program continues to cost employers throughout the state. This is such a basic item that I hope none of you get caught for this violation.

Failure to instruct employees in the recognition of hazards. (Training on the Safety Program) Yes, you may not only get a citation for not having a Written Safety Program, but they can also cite you for not Training Your Employees on the Program!

The "General Duty Clause" is a catch all for any safety hazard that doesn't have a specific section in the regulations. What this boils down to is that the employer is responsible for the safety and well being of all employees during the time they are working; regardless of the presence of an applicable standard. (This item averaged out at \$1,800 per citation, but there are some that were considerably higher than \$1,800.)

Hard Hats Not Worn Where Required continues to cost contractors, and subs, their hard earned bottom line dollars. This is again so basic that I hope none of you get caught.

No First Aid Supplies is an item that can be solved for very little money. Small First Aid Kits can cost as little as \$15.00 - \$18.00 and will probably have the basic supplies. Be aware of the discount house home units. They may be lacking some of the required contents.

Safety Gas Cans is almost a guaranteed citation if you don't meet the OSHA criteria. Many of you carry extra fuel cans in your vehicles. Don't get caught on this one!

Log 200 form Not Provided or Maintained also made the list. Those of you who have under 10 employees are still exempt from this regulation, but that could change in the very near future. Even if you are exempt it isn't a bad idea to keep the log for your own use to help track injuries and maybe prove your safety record if you ever get into trouble with IOSHA.

Workplace not Evaluated for Permit Required Confined Spaces is new to the summary lists. This was one of the top items in the Industrial Hygiene Summary.

OSHA Notice not Posted in a Conspicuous Place is the last

citation we will discuss. This is so basic that it amazes me so many employers are in violation. The average cost was almost \$400.00!!! (The poster is free.)

Hopefully this will help you in your compliance efforts. Since the above listed items are cited so frequently, you can probably bet on getting a citation if a violation on one of these is found during an audit.

Note: The new OSHA Regulation books are now out. The most recent versions have a blue cover.

**BRYAN FOUST JOINS
MSE CORPORATION AS
SURVEY MANAGER**

Bryan Foust has joined MSE Corporation as the firm's Survey Manager. His responsibilities will include overseeing the technical and administrative functions of MSE's Survey Department, certifying all plats of survey, training staff, and coordinating workflow. MSE Corporation is now in its 35th year of providing conventional and GPS surveying services to utilities, state, local, and federal government agencies, and the private sector around the world.

Foust is a Registered Land Surveyor (RLS) and has over 20 years experience in the surveying industry. Most recently, Foust owned his own surveying firm in Lafayette, Indiana. He is also captain of the Stockwell, Indiana Volunteer Fire Department and carries certifications as a Haz-Mat technician, DOT First Responder, and First Class Firefighter.

**PURDUE SCHOLARSHIP
THANK YOU**

March 22, 1995

To All Members;

I was pleased to be informed that the ISPLS Scholarship Committee will recommend that I receive the John G. McEntyre Endowment Scholarship. Thank you for your involvement and contributions to the land surveying profession through active membership in ISPLS. You set a great example to young members and students like myself. I look forward to committing myself, much as you have, to the land surveying profession.

Thank you again.

Sincerely
Bradley P. Ott

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Edward D. Giacoletti, (Member) 1552 N. Wellington Avenue, Indianapolis, IN 46219, Phone Res: (317) 359-8722
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Timothy Warner, (Member) 8839 Classic Circle, Indianapolis, IN 46217
Michael T. Winstead, (Student) 1610 Meadow West Dr., Evansville, IN 48812, Phone Res: (812) 428-6268

CALENDAR

May 18, 1995
 Indiana Board of Registration Meeting & Certificate Presentation
May 19, 1995
 Indiana State Board of Registration Meeting
June 6-7, 1995
 Surveying Automation '95, Georgia World Congress Center, Atlanta, Georgia.
June 10, 1995
 ISPLS Seminar, Co-Sponsor Initial Point Chapter, Topic: "Tree Identification", Clark State Forest, Henryville, IN, Speaker: Frank Ballintyn, PLS
July 20, 1995
 St. Joseph Valley Chapter Meeting
July 21, 1995
 ISPLS Seminar, Co-Sponsor Initial Point Chapter, Topic: Route Surveys in Indiana, New Albany, IN, Speaker: Gary Kent
October 13, 1995
 ISPLS Fall Seminar, Co-Sponsor Hoosier Hills Chapter, McCormick's Creek State Park
October 26, 1995
 St. Joseph Valley Chapter Meeting
November 13-17, 1995
 ACSM/ASPRS Fall Meeting and GIS/LIS '95 Annual Conference and Exposition, Nashville Convention Center, Nashville, TN.
January 17, 18, 19, 1996
 ISPLS Annual Convention, Holiday Inn Airport, Indianapolis

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P.O.B.'S SURVEYING AUTOMATION '95 TECHNOLOGY CONFERENCE ANNOUNCED

P.O.B. Magazine, under new ownership of Business News Publishing Company, announces its 10th annual technology conference, Surveying Automation '95, on June 6 and 7, 1995 at the Georgia World Congress Center in Atlanta, Georgia.

This year's conference, held in conjunction with A/E/C SYSTEMS '95, features a convenient, information packed, two day format and a slate of knowledgeable speakers. Land surveyors, civil engineers, and mapping professionals will gain valuable insight into the many aspects of surveying automation, from collecting data in the field through integrating data into a GIS.

Automation in the Field is the theme for the five one-hour sessions on Tuesday, June 6. These sessions and speakers include: Data Collectors by Robert M. Pasley, PE, Automated Engineering & Surveying Systems; Robotic Total Stations by Paul Hahn, Geotronics of North America; Hand-held GPS Project Applications, James P. Reilly, Geodetic Enterprises, Inc.; GPS Project Applications by Steve Kersey, Trimble Navigation; and Preparing for Digital Ortho Projects by Alan W. Roth, MS.

Automation in the Office, on Wednesday, June 7, features Greg Malkin of Technical Software, Inc., presenting CAD Overview for Surveyors; Charles McNoldy, PE, LS, discussing GIS for Surveyors; George B. Korte, PE, Intergraph Corporation, sharing his expertise in the area of CAD/GIS System Integration; and Kent Neal McMillan, RPLS, Kent McMillan Land Surveyor, describing the usefulness of Least Squares - A Modern Quality-Control Tool. In addition, a panel of experienced end-users will close out the conference by sharing "real world" success stories in automating key aspects of their surveying operations.

P.O.B.'s committed to giving superior service for Surveying Automation '95 by providing: a flexible registrant substitution policy (substitutions are permitted at any time); a price break for two-day registrations and for additional registrants from the same firm; and a money-back tuition guarantee. Also, all attendees receive handout materials and free admission to A/E/C SYSTEMS '95 exhibits.

For more information on Surveying Automation '95, call 800-342-5718. To register, contact Business News Publishing Company, Seminar Division, P.O. Box 2600, Troy, MI 48007; 800-860-0980, fax: 810-362-0317.

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