
HOOSIER SURVEYOR

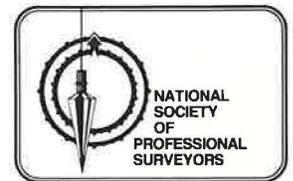


QUARTERLY PUBLICATION OF THE
INDIANA SOCIETY OF
PROFESSIONAL LAND SURVEYORS, INC.

VOLUME
14
NUMBER
2
SUMMER 1987



AFFILIATED WITH THE
AMERICAN CONGRESS ON
SURVEYING & MAPPING



In This Issue:

**PEIRCE GEODETIC MONUMENT
REX BOWMAN APPOINTED TO
REGISTRATION BOARD
INDIANA-ILLINOIS BOUNDARY
AND MORE**

CALCOMP NEC KERN TOPCON LIETZ NIKON

DAVID WHITE HEWLETT PACKARD

DAVID WHITE NIKON

LIETZ NIKON

TOPCON

KERN



When
you're ready
to buy . . .



For the BEST PRICE . . .

CALL US LAST

800-225-1945

In MA (617)864-4840

Or call for our new 168 page catalog.



HEINRICH
711 Concord Avenue
Cambridge, MA 02138

DAVID WHITE HEWLETT PACKARD

CALCOMP NEC

KERN

TOPCON

1987 Board of Directors

E. Donald Bengel - President
703 Division Road
Valparaiso, IN 46383
Home 219-465-0988
Off. 219-462-0690

John V. Schneider - President-Elect
3020 N. Post Road
Indianapolis, IN 46226
Home 317-844-7560
Off. 317-898-8282

Jerry L. Carter - Vice-President
670 Russel Lake W. Drive
Zionsville, IN 46077
Home 317-873-5044
Off. 317-842-6777

Roger Woodfill - Secretary
202 W. High Street
Lawrenceburg, IN 47025
Home 812-537-2481
Off. 812-537-2000
County Surveyors Office
812-537-1040

Jacob E. Hall - Treasurer
6020 E. Raymond Street
Indianapolis, IN 46203
Home 317-356-1163
Off. 317-253-1533

TERM EXPIRES 1987

Pat Cunningham
128 N. 3rd Street
Lafayette, IN 47901
Home 317-474-6387
Off. 317-742-6479

Gary R. Kent
3020 N. Post Road
Indianapolis, IN 46226
Home 317-844-4347
Off. 317-898-8282

Daniel I. Pusey
1738 Klondike Road
W. Lafayette, IN 47906
Home 317-463-5471
Off. 317-494-3416

Roger Woodfill
202 W. High Street
Lawrenceburg, IN 47025
Home 812-537-2481
Off. 812-537-2000

TERM EXPIRES 1988
E. Donald Bengel - President
703 Division Road
Valparaiso, IN 46383
Home 219-465-0988
Off. 219-462-0690

Byron M. Brady
55308 Jay Dee Street
Elkhart, IN 46514
Home 219-294-5108
Off. 219-293-3611

Jerry L. Carter
670 Russell Lake W. Drive
Zionsville, IN 46077
Home 317-873-5044
Off. 317-842-6777

Randolf A. Sexton
P.O. Box 695
Kendallville, IN 46755
Home 219-347-4345
Off. 219-347-4345

TERM EXPIRES 1989

John V. Schneider
3020 N. Post Road
Indianapolis, IN 46226
Home 317-844-7560
Off. 317-898-8282

Jacob E. Hall
6020 E. Raymond Street
Indianapolis, IN 46203
Home 317-356-1163
Off. 317-253-1533

Danny K. Leek
8333 Stonegate Drive
Newburgh, IN 47630
Home 812-853-9620
Off. 812-464-9585

Rollyn H. Blankenbeker
8 Cypress Drive - P.O. Box 157
Jeffersonville, IN 47131
Home 812-282-3893
Off. 812-282-4183

Peggy Archer - Office Sec.
Home 317-894-7763
Off. 317-546-0188

HOOSIER SURVEYOR
VOLUME 14, NUMBER 2, SUMMER 1987
Committee Assignments (1987)

STANDING COMMITTEES

Headquarters

Executive Committee
E. Donald Bengel - President
(219) 462-0690
John V. Schneider - President Elect
(317) 898-8282
Jerry L. Carter - Vice-President
(317) 842-6777
Roger Woodfill - Secretary
(812) 537-2000
Jacob E. Hall - Treasurer
(317) 253-1533

By-Laws

Roger Woodfill - Chairman
(812) 537-2000
Randolph Sexton
(219) 347-4345
John W. DeMais
(317) 494-3416

Governmental Affairs

Pat N. Cunningham - Chairman
(317) 742-1469
Jacob E. Hall
(317) 253-1533
John V. Schneider
(317) 898-8282
Brad R. DeReamer
(317) 898-8282

Chapters

Randolph A. Sexton - Chairman
(219) 347-4345
Joe Blevins
(317) 872-8400
John E. Beals
(317) 962-1023

Convention Coordinating

Robert B. Bigelow - Chairman
(219) 738-5250
Daniel I. Pusey
(317) 494-3416
Gary R. Kent
(317) 898-8282

Education

Arthur Haase - Chairman
(812) 885-4185
Danny K. Leek
(812) 464-9585
Jacob E. Hall
(317) 253-1533
Carl M. Anderson
(317) 873-2515

Ethics Committee

Pat N. Cunningham - Chairman
(317) 742-1469
Robert Bigelow
(219) 738-5250
John N. McNamara
(219) 284-9631
John V. Schneider
(317) 898-8282
David K. Wolf
(219) 357-3283

Finance

Jacob E. Hall - Treasurer
(317) 253-1533
John V. Schneider - Assistant Treasurer
(317) 898-8282

Public Relations

Douglas K. Herendeen - Chairman
(317) 872-4615
Hershel Manhart
(317) 787-5622

Membership

Joe M. Blevins - Chairman
(317) 872-8400
Pat N. Cunningham
(317) 742-1469
John H. Silnes
(317) 882-9301
Michael L. Crawford
(317) 872-8400

Scholarship

Lee Bender - Chairman
(317) 742-1469
Randolph A. Sexton
(219) 347-4345
Ernil P. Beeg
(219) 462-7452
Greg Deeds
(317) 472-3901

Nominations

John R. McNamara - Chairman
(219) 284-9631
Robert Bigelow
(219) 738-5250
John E. Beals
(317) 962-1023

Library

Daniel I. Pusey - Chairman
(317) 494-3416
John V. Schneider
(317) 898-8282
Gary R. Kent
(317) 898-8282
Kenneth S. Curtis
(317) 494-2165

Standards

Wesley L. Day - Chairman
(317) 632-2361
John H. Silnes
(317) 882-9301
Art Haase
(812) 885-4185
Pat N. Cunningham
(317) 742-1469

Publications

John McEntyre
(317) 463-7468
Jerry L. Carter
(317) 842-6777
John N. McNamara
(219) 284-9631
Don Craig
(317) 966-7541 Ext. 201

Hoosier Surveyor

Gary R. Kent - Editor
(317) 898-8282
Joe M. Blevins
(317) 872-8400
John R. McNamara
(219) 284-9631
John V. Schneider - Advertising
(317) 898-8282

1988 Annual Convention

Robert B. Bigelow - Chairman
(219) 738-5250
1989 Annual Convention
Douglas K. Herendeen - Chairman
(317) 872-4615

SOCIETY LIAISON

Collegiate Liaison

Robert B. Bigelow - Chairman
(219) 738-5250
John V. Schneider
(317) 898-8282
John E. Beals
(317) 882-1023
Pat N. Cunningham
(317) 742-1469

County Surveyors Assoc.

David K. Wolf - Chairman
(219) 357-3283
Roger Woodfill
(812) 537-2000
Larry Fisher
(219) 936-3489

Indiana State Board of Registration

Wesley L. Day - Chairman
(317) 632-2361
Jacob E. Hall
(317) 253-1533
John V. Schneider
(317) 898-8282
Pat N. Cunningham
(317) 742-1469

Indiana Historical Land Marks

Nelson Prall - Chairman
(812) 279-2773
Philip Thornburg
(317) 962-4715
Roger Woodfill
(812) 537-2000
Ray Hatfield
(812) 723-3301

Great Lakes Coordinating Council Delegate

Jacob E. Hall
(317) 253-1533

N.S.P.S. Governor

Gary R. Kent
(317) 898-8282
Jacob E. Hall - Alternate
(317) 253-1533

AD HOC COMMITTEES

L.S. Exam Committee

Wesley L. Day - Chairman
(317) 632-2361
John V. Schneider
(317) 898-8282
James E. Dankert
(317) 842-6777

Plat Act Study Committee

David L. Pilz - Chairman
(219) 462-1158
Richard L. Hudson
(219) 462-1158
David K. Wolf
(219) 357-3283

EDITOR'S NOTE

Deadlines for copy for various planned issues of the *HOOSIER SURVEYOR* are as follows:

Winter issue - January 31 Summer issue - July 31 Spring issue - April 30 Fall issue - October 31. The *HOOSIER SURVEYOR* is composed and reproduced by McDowell/James Printing Co., Indianapolis, IN.

The *HOOSIER SURVEYOR* is published quarterly by the *INDIANA SOCIETY OF PROFESSIONAL LAND SURVEYORS*, to inform land surveyors and related professions, 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, photographs subject to space limitations.
Gary Kent
Editor

CONTENTS

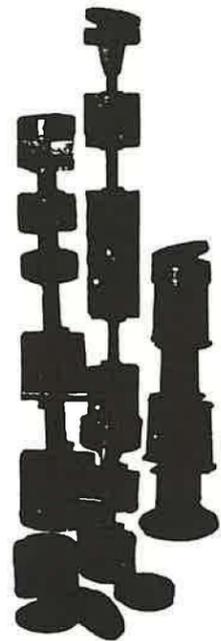
Masthead	1
Contents	2
Highlights of <i>ISPLS</i> Board Meetings	4-5
The Engineer-If (A Poem)	6
Rex Bowman Appointed to State Board of Registration	8
Indiana-Illinois Boundary Monument Recovered	9
Carl M. Anderson : 1920-1987	10
Notices and Classifieds	11
Calendar	11
<i>ISPLS</i> Member News	11
Peirce Geodetic Monument Dedicated	12-13
<i>ISPLS</i> to Meet Jointly with ASPRS Region	14
Great Lakes Regional Council to Consider Formal Ties	14
Surveying Related Legislation Passed in 1987	15
Notice of NSPS Awards	15
ACSM Announces Staff Additions	15
1987-1988 <i>ISPLS</i> Budget	16
1986-1987 <i>ISPLS</i> Sustaining Members	19
<i>ISPLS</i> Firm Members	20
<i>ISPLS</i> Application	21

Our markers are guaranteed to rust.

Harrison monuments are made of cast iron. When cast iron oxidizes it forms a tough, protective coating. Rust. Nature's paint!

Past generations have proven how effective this protection has been for preserving anything made out of cast iron. Other metals corrode, flake apart and self-destruct.

Harrison's have been designed to resist side thrusts and soil shifts —to be magnetic —to break off when struck (leaving the base in position).



But the prime element of their design is 100% cast iron which rusts, giving you the most permanent magnetic marker possible.

When you invest so much into locating a corner, why put less than the best into it? Mark it with the best: a Harrison, protected with nature's paint—rust!

HARRISON MARKER AND CO.

Box 66, Anoka, MN 55303
Telephone: (612) 421-1445



Serving You Direct In Northern Illinois, Northwest Indiana and Eastern Iowa



- Total Stations
- Optical Theodolites
- Electronic Distance Meters
- Plummets
- Lasers
- Computer Systems
- Support
- Electronic Theodolites
- Data Terminals
- Levels
- Tripods
- Gyros
- Surveying Software
- Training
- Accessories



Whatever your surveying needs and related computer requirements for Software, Hardware, or Peripherals — take advantage of Wild's unmatched reputation for quality, service and value.

- **Computer Systems Sales, Training and Support (Hardware & Software)**
- **Instruments and Field Support (Sales, Service and Rentals, including FREE Loaners)**
- **On-Site Demonstrations and Delivery**
- **Wild Lease Program**

Please call:

- Bennett Golden 312-798-7384
In Northern Illinois, Indiana's Lake County, and Iowa Counties of Clinton, Dubuque, Jackson & Scott

or CALL TOLL FREE 1-800-645-9190



GSA Contract No. GS00F-78082



Wild Heerbrugg Instruments, Inc. • 24 Link Drive, Rockleigh, NJ 07647

800-645-9190 • 201-767-1100

WILD
HEERBRUGG

Highlights of ISPLS Board of Director Meetings

June 11, 1987

(Members Present: Anderson, Bengel, Blankenbeker, Brady, Carter, Cunningham, Hall, Kent, Pusey, Schneider, Sexton).

After some discussion, the contract with Lobbyist Jack Ryan was not renewed.

A motion was passed calling for the Government Affairs Committee to work with the Registration Board in developing a continuing education program and the necessary legislative changes to accomplish same.

It was reported that progress is being made in the preparation of a professionally produced brochure to be used in assisting the Land Surveyor in explaining the *Indiana Survey Standards* to clients.

It was reported that Art Haase has eight VHS tapes available for use in promoting Vincennes University and its Surveying program.

A motion passed approving of making the January ISPLS Annual Meeting a joint meeting between ISPLS and the Western Great Lakes Region of ASPRS.

A motion was passed adopting a set of guidelines for ISPLS Annual Conventions. The guidelines were prepared by the Convention Coordinating Committee for use by local organizing committees.

An increase in advertising rates for the *Hoosier Surveyor* was approved.

Prior to the meeting, President Don Bengel presented a letter to Allan Updike of the State Consumer Protection Agency recommending three persons (Carl Anderson, Rex Bowman and John McNamara) as

qualified to fill the vacancy in the Board created by the resignation of David Wells.

July 11, 1987

(Members present: Bengel, Blankenbeker, Brady, Carter, Cunningham, Hall, Kent, Pusey, Sexton, Woodfill)

It was reported that the Board of Registration is moving forward on preparing a definition of "responsible charge" for its adoption.

Roger Woodfill was appointed to work with Dr. John McEntrye on an ad hoc committee the goals of which are to obtain details on the NOS program for replacing the mark maintenance program and to recommend a plan to dovetail this program into Indiana state government.

It was agreed to pay Great Lakes Regional Council delegate Jake Hall's expenses to attend the Council meeting in Grand Rapids on August 7 and 8, 1987.

It was agreed that representatives of ISPLS would make a presentation to the ACSM/ASPRS Joint Convention Planning Committee at its Fall Meeting in Reno asking for consideration in holding the Fall 1994 meeting in Indianapolis.

August 13, 1987

(Members Present: Bengel, Brady, Cunningham, Hall, Kent, Schneider, Sexton and Woodfill)

Wes Day, ISPLS/Registration Board Liaison Committee Chair, reported on a meeting he had with Fred Bremer of the Attorney General's Office and Allan Updike of the Consumer Protection Agency concerning their

(Highlights - continued)

rewrite of the Indiana Survey Standards in preparation for adoption by the Board of Registration. A consensus was reached that survey plats should be filed geographically in the County Recorders Office and that the ISPLS favors a plat act.

It was agreed to file a complaint with the State regarding the practicing of Land Surveying by an engineer in the northwest portion of the State.

Jake Hall noted proposed changes in the Registration Board Rules regulating the number of times a person could take the registration exam.

Danny Leek of Evansville was elected to fill the unexpired term on the ISPLS Board of Directors created by the untimely death of Carl Anderson.

It was reported that ISPLS Manuals No. 1 and 6 have been reprinted.

Jake Hall reported that the Great Lakes Regional Council will meet again at the ISPLS Annual Meeting in Merrillville in January.

The *Hoosier Surveyor* editor was directed to see that all county surveyors receive each future issue of the *Hoosier Surveyor*.

The Headquarters Committee was directed to negotiate a month-to-month lease for ISPLS Headquarters with 90 days notice by either party.

* * * * *

Future ISPLS Board Meetings

October 22, 1987 : 10 am at Headquarters
November 20, 1987 : 10am at Headquarters

Hoosier Surveyor Advertising Rates

Effective June 11, 1987

Ad Size	Sustaining Member	Non-Sustaining Member
Full Page	\$96.00/issue	\$120.00/issue
	\$288.00/4 issues	\$384.00/4 issues
Half Page	\$60.00/issue	\$72.00/issue
	\$180.00/4 issues	\$240.00/4 issues
Quarter Page	\$48.00/issue	\$60.00/issue
	\$144.00/4 issues	\$192.00/4 issues
Eighth Page	\$36.00/issue	\$42.00/issue
	\$108.00/4 issues	\$144.00/4 issues

Classifieds : \$6.00 per column inch

The Engineer - - - - "If" - - -

By Robert Isham Randolph M.W.S.E. With Apologies to Rudyard Kipling

If you can swing an axe or wield a brush hook or drive a stake or drag a chain all day.
If you can scribble figures in a notebook or shoot a range pole half a mile away.
If you can sight a transit or a level or move a target up or down a rod.
If you fear neither man nor devil and know yourself and trust the living God.

If you can wade a swamp or swim a river nor fear the deeps nor yet the dizzy heights.
If you can stand the cold without a shiver and take the Higgin's ink to bed o'nights.
If you can turn a thumb screw with your fingers when every digit's like a frozen thumb.
If you can work as long as daylight lingers and not complain and think your going some.

If you can sight through tropic heat's refraction or toil all day beneath a blistering sun.
If you can find a sort of satisfaction in knowing that you've got a job well done.
If you can be an eskimo and * * * * and try to be a gentleman to boot.
If you can use a "guessin" stick to figger and know a coefficient from a root.

If your calculus and descriptive are forgotten and your algebra just serves you fairly well.
If your drafting and your lettering are rotten and your Trautwine's handy by to tell.
If you can close a traverse without fudgin' or check a line of levels by a foot.
If you can set a slope stake just by judgin' and never kick a tripod with your foot.

If you can run a line where you are told and make it stay somewhere upon the map.
If you can read your notes when they get cold and you know that contours mustn't ever lap.
If you can line a truss or tap a rivet or make a surly foreman come across.
If you can take an order as well as give it and not have secret pity for the boss.

If you can climb a stool and not feel lowly nor have your head turned by a swivel chair.
If you can reach your judgments slowly and make your rulings always just and fair.
If you can give yourself and all that's in you and make the others give their own best too.
If you can handle men of brawn and sinew and like the men and make 'em like you too.

If you can't boast a college education or, if you've got a sheep-skin, can forget.
If you get a living wage for compensation and give a little more than what you get.
If you can meet with triumph and disaster and treat them without favor nor with fear.
You'll be a man and your own master, but what is more, you'll be an ENGINEER.

(Editor's Note: The following poem was sent to me by Howard Phelps' nephew, a relative of mine. Mr. Phelps, a Land Surveyor (Reg. No. 666) and Engineer of Cedar County, Iowa who died in 1977, had copied it from the January 1929 issue of Rock Island Magazine. After reading the poem, one wonders if Land Surveying is a branch of engineering or engineering is a branch of Land Surveying?! Portions have been edited to meet today's social standards. GRK)

SERIES E – the new electronic line from Carl Zeiss.

Total Stations with advanced electronics



Zeiss Elta 4 – a state-of-the-art Total Station with high-performance programs and three-second accuracy – at an extremely affordable price.

Zeiss Elta 3 – a Total Station with two-axis compensator, one to two-second accuracy, selectable measuring programs, interface for data collection. The instrument for the most demanding surveyor.

Zeiss Series E – modern surveying instruments where the flexibility and ease of operation made possible by advanced electronics are combined with the reliability and attractive pricing of conventional instruments.

ZEISS
West Germany
THE
SERIES
E

For details, contact your nearest authorized Zeiss dealer or Carl Zeiss, Inc. One Zeiss Drive Thornwood, NY 10594 (914) 681-7367

Rex Bowman Appointed to Indiana State Board of Registration

Former ISPLS President Rex Bowman has been appointed to the Indiana State Board of Registration for Professional Engineers and Land Surveyors by Governor Robert Orr. He will fill the vacancy created by the recent resignation of David Wells.

Rex was one of several ISPLS members recommended by the Indiana Society of Professional Land Surveyors in response to a letter from the State requesting names of persons qualified to fill the position.

Rex resides in Lafayette and is a Professional Land Surveyor and Engineer on the staff of the Purdue University physical plant in West Lafayette. He was president of ISPLS in 1972 and remains active in the Society.

His appointment is coming at a time of renewed cooperation and coordination between ISPLS and the Registration Board. Already as a result of several past meetings the ISPLS Government Affairs Committee has met with members of the Board in order to map out common long-term goals in the areas of legislation and administrative rules to further the protection of the public health and welfare in surveying matters. Efforts are currently concentrated in the areas of standards, a definition of direct supervision and responsible charge and changes in the application form to assist the Board in better analyzing an applicant's experience.

Board Adopts New Exam

Other Registration Board developments include Board adoption of the new portion of the NCEE exam (Public Domain, Part II A). This change leaves only 1 hour for testing on the specifics of surveying in Indiana. ISPLS vociferously opposed this change for several reasons. First

of all, it is believed that the although the NCEE multiple choice exam may sufficiently test what an applicant knows about surveying, it is entirely insufficient in determining if an applicant has the faculties to actually perform a land survey or write a land description. Additionally, it is felt that surveying in Indiana (and any other state for that matter) cannot be properly addressed in a 1 hour exam.

New Rules Limit Number of Times Applicants May Take Exam

In other Registration Board news, the Board is seeking comments on an administrative rules change prior to its November 19-20 meeting in Indianapolis.

The new rules provide that an applicant must pass all four portions of the exam within a four year period. If not all portions are passed in the four years allotted, the applicant will have to reapply and retake all four portions in the next four year cycle. An exception is that any portions of the exam passed prior to 1988 will be credited to the applicant until the end of 1990. If the applicant has not passed the remainder of the exam by that time, all portions of the exam will have to be retaken.

For those interested in the future of our profession in Indiana, new Land Surveying registrants will be honored in a formal certificate presentation on November 20, 1987 at 3:00 pm in the House Chambers in the Statehouse.

Indiana-Illinois Boundary Monument Recovered

(Excerpted From the Illinois Surveyor)

Robert Colvin, an associate of Francis Associates of Paris, Illinois had his curiosity peaked last year when a newspaper article written by a County Historian told of a stone marker set in 1821 to mark the line between Indiana and Illinois.

An act passed by the Sixth General Assembly of the State of Illinois authorized Guy W. Smith to place "a hewn stone, of at least five feet in length and fifteen inches in diameter" on the line dividing the states as it "last leaves the River Wabash."

Colvin visited the site in December 1986 and found the monument with the help of Emory Elliot, the operator of a fishing shack near Darwin's Ferry. The moss covered stone had a 3 by 12 inch chip out of one side and had "E.G. 1939. Nov.4." carved into one side. "The river has moved 150 to 200 feet south since 1821 when it would have been 24 feet from the

monument" said Colvin. Two smaller reference markers set in 1928 were still visible, though nearly covered with soil.

Dale Francis, L.S. has over the last several years written Governor Thompson and the President of the Indiana County Surveyors Association in an attempt to organize the re-establishment and remonumentation of the Indiana-Illinois line. He has also worked with the Illinois Department of Mines and Minerals and the Department of Reclamation in order to help prevent the obliteration of the State Line in strip mined areas.

Francis proposes that the surveying be done using State Plane Coordinates so the positions will be retained without the problems of disappearing monuments or changing river courses over the next 166 years.

LIETZ
TOPCON
WILD

why SEILER is your best source for on-site INSTRUMENTS and SUPPLIES STATE OF THE ART EQUIPMENT

At Seiler we offer a broad selection of top quality equipment, competitively priced.

Stop by or give us a call today.

SEILER INSTRUMENT

170 E. Kirkham Avenue • St. Louis, MO 63119 • Phone (314) 968-2282
1-800-654-6894 (Outside of Missouri)
950-0777-632-3338 (Nationwide and Missouri)

● WELL-EQUIPPED SERVICE DEPARTMENT
Your equipment is an investment, and we can help you take care of it. Our service department is staffed with highly-trained technicians who can tackle almost any repair or service problem you may have.

● ONE-STOP HEADQUARTERS
We're also your one-stop headquarters for sales, service, rentals and supplies used in the construction industry. At Seiler we're committed to quality and customer satisfaction.

Carl M. Anderson : 1920-1987

Carl M. Anderson, former Boone County Surveyor and longtime ISPLS member, died unexpectedly in Lebanon on July 4th at the age of 67.

He and his wife Kay, who survives him, were residents of Lebanon since 1948. They owned and operated Anderson Concrete Products Co. until 1961 and since 1954 owned Anderson and Associates a private surveying and engineering firm at 222 East Main in Lebanon.

Carl served four terms on the ISPLS Board of Directors and was extremely active in the surveying profession. He was instrumental - along with Wes Day - in the writing of the Indiana Survey Standards adopted by the ISPLS membership in 1986. He and Wes traveled the state in 1986 and 1987 explaining and supporting the new Standards.

Carl was first elected Boone County Surveyor in 1960 and was re-elected, serving three terms until 1972. He was also a former City Engineer and had served on the Boone County Planning Commission and Drainage Board.

Active and interested in a variety of areas, Carl was a member and Past Master of Boone Lodge No. 9 F. & A.M. and was a member of the Scottish Rite and Murat Shrine of Indianapolis. He also belonged to the Irvington Dance Club and the Riviera Club in Indianapolis.

Carl was a candidate for President-Elect of ISPLS in 1986 and was a Board Member at the time of his death. He had pressed the ISPLS cause before the State Board of Registration numerous times, particularly in support of the adoption of the Survey Standards. His expertise in computers and



programming was put to the test at the 1985 ACSM-ASPRS Convention when the local committee called on him to program and run the convention accounting and registration. Carl responded by custom developing the necessary software on his own time and found a vendor to loan tens of thousands of dollars worth of equipment for use at the convention.

He and Kay have always been welcome fixtures at the annual ISPLS conventions and ISPLS Board members were usually sent home from monthly meetings with a bit of his humor.

In addition to Kay, he is survived by his son Kenneth, daughter Karen and eight grandchildren.

The Indiana Society of Professional Land Surveyors will sorely miss his dedication and untiring efforts in seeking the betterment of the Land Surveying profession.

ISPLS Member News

* * * * *

Completed Careers

John M. Maudlin, an ISPLS Charter Member, passed away recently at his home in Salem. Mr. Maudlin was born in 1920 in Washington County, Indiana and was an army veteran of World War II. He was past commander of the Salem VFW and was vice president of the Salem-Washington County Senior Citizens. He is survived by his wife Manilla, son David and daughter Freda.

* * * * *

Calendar

- October 4-9, 1987**
ASPRS-ACSM-WFPLS 1987
Fall Convention
Reno, Nevada
- January 13-16, 1988**
ISPLS-WGLRASPRS
Joint Convention
Merrillville, Indiana
- March 13-18, 1988**
ACSM-ASPRS
Annual Convention
St. Louis, Missouri
- January 25-28, 1989**
ISPLS Convention
Indianapolis

* * * * *

Notices

The recently printed ISPLS *promotional brochures* are still 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.

Classifieds

* * * * *

Business Opportunity

Would like to discuss merger, sharing arrangement or possible partnership with interested Registered Professional Land Surveyor (and Engineer).

Recent widow and son need assistance to continue 30 year established firm in good location and with excellent potential.

Contact Ken or Kay at Anderson & Associates, P.O. Box 585, Lebanon, Indiana 46052. Phone 317/873-2515 or 482-5141.

**Interested In
Joining Your National
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

Peirce Geodetic Monument Dedicated

On June 30, 1987 at ceremonies on the campus of IUPUI in Indianapolis, a new first-order geodetic monument was dedicated in honor of noted 19th century mathematician and philosopher Charles Sanders Peirce. The establishment of the monument is only one part of the *Peirce Edition Project* established in 1976 and funded by the *National Endowment for the Humanities* and the *National Science Foundation*. The project involves preparation of *Writings of Charles S. Peirce: A Chronological Edition* - the publication of some 90,000 papers in thirty volumes of Peirce's writings.

The June ceremonies included addresses by Rear Admiral Wesley V. Hull, Director of the Office of Charting and Geodetic Services of NGS, John Krauss, Deputy Mayor of the City of Indianapolis, Gerald L. Bepko, Vice President of IUPUI, J. Curtis Mack II, Assistant Secretary of Commerce, William A. Stanley, Chief of Program Support in the Office of Legislative Affairs of NOAA and Christian J.W. Kloesel, Director of the *Peirce Edition Project*.

Although the ISPLS had offered its services in assisting in the placement of the monument, the work was performed by the National Geodetic Survey under the direction of Ron Ramsey, the former NGS mark maintenance representative for Indiana [the mark maintenance program has been discontinued for lack of funding]. Mr. Ramsey supervised the placement of the granite marker and ran a first order level circuit in from a USC & GS monument at the Statehouse. Current plans call for NGS to establish first order horizontal control on the monument using satellite global positioning next spring.

The monument is made of polished dark gray granite and is 14 inches in diameter standing 3.6 feet above grade in a courtyard area south of the library on the IUPUI campus. Attached to its side is a bronze plaque dedicating the monument to Peirce.

Peirce a Pioneer in Many Fields

In addition to his many writings, Charles Peirce worked for the US Coast Survey from 1861 to 1891 and was the first director of the *U.S. Office of Weights and Measures* - known today as the *National Bureau of Standards*. Peirce devised one of the early mathematical models of the earth in order to minimize the effect of curvature in map making. He also developed the Quincunical Projection of the earth which was used in establishing early international air routes.

Peirce was a pioneering scientist in astronomy, gravimetry, metrology, cartography and geodesy, but in addition to his scientific studies, he is credited with founding pragmatism, a philosophical movement and with making significant contributions in the areas of logic and psychology. He also wrote dictionaries and mathematically analyzed how to win at tic-tac-toe.

The surveying profession in Indiana was represented by ISPLS President-Elect John V. Schneider and Board Member Gary Kent who were recognized at the ceremonies.

PEIRCE GEODETIC MONUMENT DEDICATION

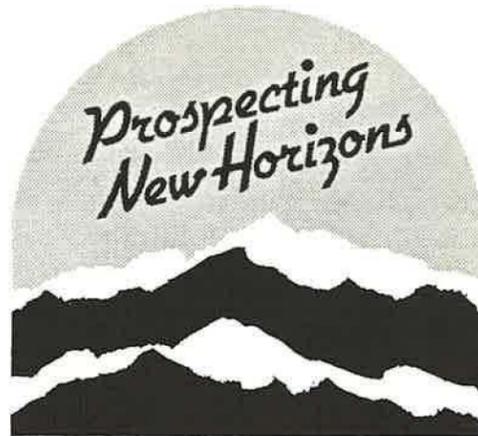


ISPLS Annual Meeting to be a Joint Meeting with ASPRS Region

The ISPLS Annual Convention to be held January 13-16, 1988 in Merrillville will for the first time be held jointly with a meeting of the Western Great Lakes Region of the American Society for Photogrammetry and Remote Sensing.

ISPLS was contacted by representatives of the Region several months ago with the suggestion of a joint meeting. The ISPLS Board and the Convention Committee headed by Bob Bigelow seized the idea as one of mutual benefit to both groups and plans have subsequently proceeded. At this time it is hoped there will even be a joint session for all attendees.

Watch for the Preliminary Program!!



ASPRS • ACSM • WFPLS
1987 FALL CONVENTION

*Reno, Nevada
October 4-9*

Great Lakes Regional Council Considering Formal Affiliation

Members of the Great Lakes Regional Council, an informal group of representatives of the western great lakes states met August 8th in Grand Rapids, Michigan to consider By-Laws for the formation of an Association of the state surveying societies similar in makeup to the Western Federation.

The meeting was attended by the interested state society presidents, NSPS Governors and Great Lakes delegates. Indiana was represented by ISPLS President Don Bengel and Delegate Jacob Hall. ISPLS Board Secretary Roger Woodfill was also present in his capacity as an NSPS Area Director. States represented in addition to Indiana were Iowa, Michigan, Illinois, Minnesota and Wisconsin.

A vote on formal affiliation is set for the Fall ACSM-ASPRS Meeting in Reno in October.

In addition to By-Laws, the agenda included discussion on regional surveying education, technician certification, licensure reciprocity, continuing education, State Surveyor authority, land data systems and the office of county surveyor.

Supporters of the affiliation effort cite better communication between state societies and joint efforts in tackling common problems among the benefits.

Land/Surveying-Related Legislation Passed in Indiana's 1987 Session

P.L. 384

Provides that if a railroad right of way in an unincorporated area is abandoned and no deed exists granting the easement, the right of way vests in the adjoining property owner provided an affidavit is filed with the railroad company. If the railroad no longer exists or fails to deliver a quitclaim deed in 180 days the adjoining property owner may record the affidavit to establish title. Directs the Indiana DNR, when notified of a proposed abandonment, to encourage state or local acquisition of the right of way for recreational use.

P.L. 127

Increases from \$5,000 to \$25,000 the estimated cost of a county drainage project that the drainage board may contract for without following standard bid procedures. Requires the board to mail notices to at least three persons believed to be interested in the work.

Notice of Awards

The National Society of Professional Surveyors is sponsoring four awards to be given for excellence in the surveying profession this year. These awards will be presented at the Spring ACSM-ASPRS Convention in St. Louis. For more information on the awards and how to make nominations, contact the appropriate chair. The awards are:

Surveying Excellence Award

Chair: Kelly Olin
925 Mission Way
Sacramento, CA 95819

Survey Project of the Year

Chair: M.Louis Shafer
520 Loretto Drive
Roseville, CA 95678

Student Project of the Year

Chair: Edward Zimmerman
1828 Hungry Hollow Rd.
Lincoln, CA 95648

Excellence in Professional Journalism

Chair: Kenneth S. Curtis
2204 Happy Hollow Rd.
W. Lafayette, IN 47906

ACSM Announces Staff Additions

The American Congress on Surveying and Mapping has announced the addition of new Joint Government Affairs and Communications Directors to its staff headquartered in Falls Church, Virginia.

Nancy L. Parke will direct the ACSM/ASPRS joint government affairs program, replacing John Palatiello who resigned his position earlier this year. Parke has 12 years of experience on Capitol Hill and has represented two corporate relations firms, the LTV Corporation and Lone Star Industries. For the last two years, she has held the position of assistant director of government relations for the Associated Builders and Contractors in Washington, D.C. She has a B.A. in political science from George Washington University.

Joan E. Martin will be responsible for the ACSM communications and public relations activities. She was previously communications director at the National Association of Plumbing-Heating-Cooling Contractors (NAPHCC) where she managed the association's communications budget, mail marketing, publishing activities and press relations. Martin has a B.A. in English from George Washington University.

* * * * *

1987-1988 ISPLS BUDGET
(As adopted June 11, 1987)

INCOME

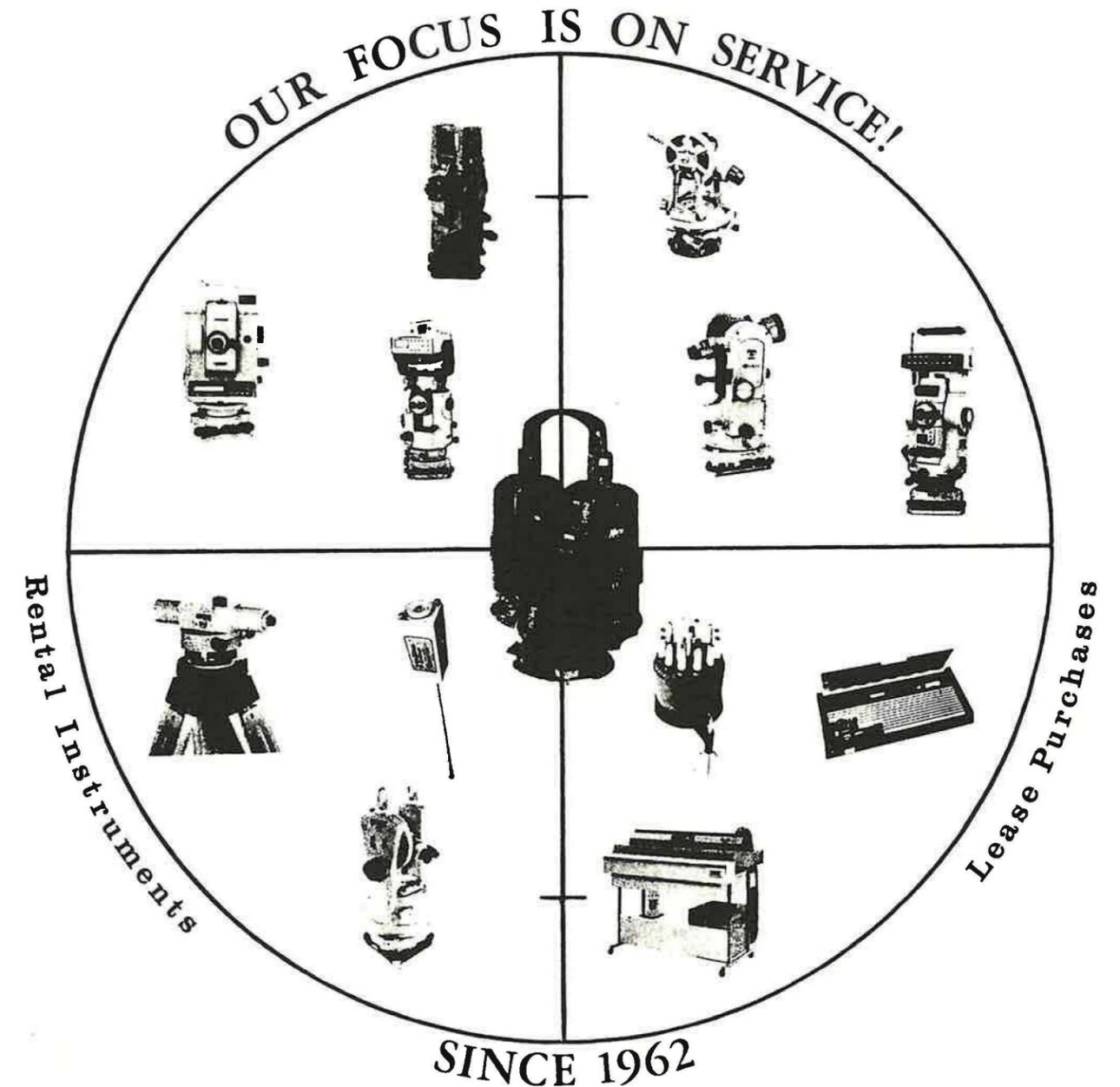
I-10	Membership-Regular	\$25,000.00
I-11	Membership-Associate	\$500.00
I-12	Membership-Junior	\$3,500.00
I-13	Membership-Student	\$250.00
I-14	Membership-Firm	\$3,000.00
I-15	Membership-Sustaining	\$1,500.00
I-20	Advertising	\$1,200.00
I-30	Annual Convention	\$3,000.00
I-31	Manual Sales	\$1,500.00
I-32	Workshops	\$1,000.00
I-33	Book Sales	\$300.00
I-40	Interest	\$4,400.00
I-50	Scholarship	\$200.00
I-52	Miscellaneous Income	\$100.00
Total		\$45,450.00

EXPENSES

S-10	Office Rent	\$3,540.00
S-20	Telephone	\$1,500.00
S-30	Office Supplies	\$700.00
S-40	Postage	\$1,200.00
S-50	Office Equipment	\$100.00
S-60	Sales Tax	\$100.00
S-70	Equip. Repair & Maint.	\$200.00
S-80	Accounting Service	\$900.00
S-85	Legal Services	\$1,500.00
S-90	Insurance	\$1,200.00
S-100	Library	\$100.00
G-10	Hoosier Surveyor	\$4,600.00
G-20	Misc. Printing	\$200.00
G-30	President's Contingency	\$250.00
G-50	NSPS Governor	\$1,600.00
G-70	Government Affairs	\$5,000.00
G-71	Public Relations	\$2,112.00
G-80	Historic Landmarks	\$100.00
G-90	Scholarship	\$200.00
G-110	Annual Convention	\$500.00
G-111	Workshops	\$500.00
G-112	Manuals	\$400.00
C-10	Misc. Expense	\$500.00
C-60	Awards	\$200.00
C-80	Committee Expenses	\$500.00
C-81	Membership Development	\$200.00
P-10	Gross Payroll	\$15,288.00
P-20	FICA	\$1,100.00
P-30	State Unemployment	\$30.00
P-40	Workman's Comp	\$210.00
P-50	Medical Insurance	\$860.00
P-60	Federal Unemployment	\$60.00
Total		\$45,450.00

G. Lengemann Company, Inc.

Surveying Equipment and Drafting Supplies
Complete Service Department



2314 N. 5th Street • Post Office Box 496 • Niles, Michigan 49120

1-616-684-2116

Toll Free - Mich. Wats 1-800-632-3923, U.S. Wats 1-800-253-5954

ISPLS SUSTAINING MEMBERS
1986-1987

Accu-Air Surveys, Inc.
PO Box 63, 1220 "A" Ave., Freeman Field
Seymour, Indiana 47274

Harrison Marker and Instrument Company
Box 66
Anoka, Minnesota 55303

Kara Company, Inc.
4400 Riverside Ave.
Lyons, Illinois 60534

Hickerson Instrument Co., Inc.
6011 E. 34th Street
Indianapolis, Indiana 46226

G.Lengeman Company
2314 N. 5th Street PO Box 496
Niles, Michigan 49120

Marbaugh Engineering Supply Co., Inc.
121 W. North Street
Indianapolis, Indiana 46204

Schonstedt Instrument Company
1775 Wiehle Ave.
Reston, Virginia 22090

Ellerbusch Instrument Company
4509 Vine Street
Cincinnati, Ohio 45217

Allied Manufacturing Co., Inc.
SURV/KAP
P.O. Box 27367
Tucson, Arizona 85726

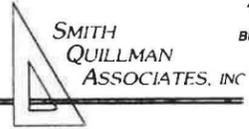
Wild Heerbrug Instruments, Inc.
~~PO Drawer 24~~ *Link Dr*
~~465 Smith Street~~ *Rockleigh, NJ 07647*
~~Flamingdale, New York 11735~~

National Surveying Instruments Inc.
4050 West Parker Avenue
Chicago, Illinois 60639

Instrument Sales and Service of Indiana
6338 E. 75th Street Suite 114
Indianapolis, Indiana 46250

THANK YOU FOR
YOUR CONTINUED SUPPORT !!

Firm Members

 <p>WEI ENGINEERS INC. ALLAN H. WEIHE, P.E., L.S. PRESIDENT 10505 N. College Indianapolis, In 46280 (317) 846-6611 VOORHEES C. (JIM) DALTON Res. Telephone: 898-5097 CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS</p>	 <p>MAJ CIVIL/SURVEYING, INC. Merrill A. Jones, A.I.A., P.E., L.S. President 435 East Main Street, Suite H P.O. Box 69 Greenwood, Indiana 46142 (317) 888-4486</p>	 <p>4625 Morningside Dr Post Office Box 155 Bloomington, IN 47402 (812) 336-6536 Civil Engineering, Land Surveying, Landscape Architecture</p>
 <p>CARL M. ANDERSON, P.E. Phons (317) 482-5141 873-2515 Specialists In Site Engineering</p>	 <p>James E. Dankert, PE., L.S. Partner</p>	 <p>ORDELL L. GERTSMEIER Reg. Pro. Engr., Ind. 9511 Ind. Pro. Land Surv., 9970 158 NAPOLEON VALPARAISO IN 46383 219 462 1158</p>
 <p>SCHNEIDER ENGINEERING CORPORATION Civil Engineering - Land Surveying JOHN V. SCHNEIDER, P.E.L.S. PRESIDENT 3020 N. Post Road P.O. Box 26068 Indianapolis, Indiana 46226-0068 OFFICE: 317-898-8282</p>	<p>JOHN R. DONOVAN, P. E. CIVIL ENGR. & LAND SURVEYOR OFF: 424-7418 RES: 483-3313 2030 INWOOD DRIVE EXECUTIVE PARK FORT WAYNE, IND 46815</p>	
	<p>Fink, Roberts & Patrie 3307 W. 96th Street Indianapolis, Indiana 46268 317/872-8400</p>	 <p>Mid States Engineering, Inc. Sol C. Miller, PE., L.S. President 941 North Meridian Street Indianapolis, Indiana 46204 317-634-6235</p>
 <p>William Arden Jr., L.S. Vice President</p>	<p>Paul Primavera & Associates P.O. Box 123 Corydon, Indiana 47112 812/738-4540</p>	<p>317-653-5603 317-653-6710 Alan Stanley & Associates, Inc. ENGINEERING AND SURVEYING 15½ S. Indiana Street Greencastle, Indiana 46135 ALAN STANLEY President</p>
<p>Brady Land Surveying 55308 Jay Dee Street Elkhart, Indiana 46514 219/293-3611</p>	<p>Site Line Inc. 610 W. Main Street Greenwood, Indiana 46142 John Silnes, L.S. (317) 882-9301</p>	<p>Land Surveyors Consulting Engineers United Surveying, Inc. 5255 N. Tacoma Ave., Suite 4 Indianapolis, IN 46220 DANIEL R. WOO, Pres. Registered Land Surveyor Bus.: 317/253-4996 Res.: 317/894-8172</p>
 <p>REID QUEBE, ALLISON WILCOX & ASSOCIATES, INC. 4740 KINGSWAY DRIVE • SUITE 500 • INDIANAPOLIS, IN 46205 317-255-6060</p>	 <p>JACOB E. HALL Professional Engineer Land Surveyor 5332 N. Temple / Indianapolis, Ind 46220 Bus: (317) 253-1533 Res: (317) 356-1163</p>	<p>VESTER & ASSOCIATES, INC. SURVEYING & SUBDIVISION DESIGN PATRICK N. CUNNINGHAM, R.L.S. PRESIDENT TELEPHONE (317) 742-6479 128 NORTH 3RD STREET LAFAYETTE INDIANA 47901</p>

THE HOOSIER SURVEYOR

Indiana Society of Professional Land Surveyors, Inc.
5355 E. 38th Street, Suite 209
Indianapolis, IN 46218

Bulk Rate
U. S. Postage
PAID
Indianapolis, Ind.
Permit No. 4056



AUDIO-VISUAL
SALES/RENTALS

DRAFTING
SUPPLIES AND
EQUIPMENT

ENGINEERING
EQUIPMENT



MARBAUGH ENGINEERING SUPPLY CO., INC.

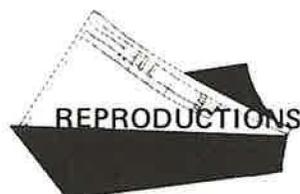
121 West North Street, Indianapolis, Indiana 46204

Phone: 632-4322

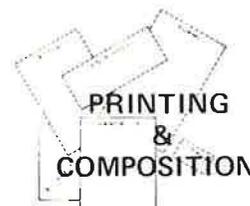
MARBAUGH . . . A NAME YOU CAN DEPEND ON.



BLUELINES
&
BLUEPRINTS



REPRODUCTIONS



PRINTING
&
COMPOSITION