

SURVEYOR

HOODSIEER



VOLUME 10
NUMBER 1
WINTER 1983



Indiana Society of Professional Land Surveyors, Inc.

Affiliated with the American Congress on Surveying and Mapping and
the National Society of Professional Surveyors

“Gentlemen, let us try to elevate
and honor our profession, instead
of waiting for our profession
to honor and elevate us.”

J. C. PULSE

January 15, 1889

From the President's Address at the Ninth Annual Meeting
of the Indiana Society of Civil Engineers and Surveyors,

ALSO IN THIS ISSUE:

1983 Convention Highlights,
Legislative Update
NSPS Model Policy on Branch Offices
Highlights from Board of Directors Meetings

APPLICATION FOR MEMBERSHIP

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

NAME _____ Last _____ First _____ Middle _____ AGE _____

☐ HOME ADDRESS _____ Street and Number _____ City _____ State _____ Zip _____ PHONE _____

☐ BUSINESS ADDRESS _____ Street and Number _____ City _____ State _____ Zip _____ PHONE _____

PRESENT OCCUPATION _____ Firm Name _____ Position _____

SCHOOL ATTENDING _____ Name _____ Grade _____

REGISTRATION STATUS _____ L.S., P.E., or S.I.T. Number _____ State _____

MEMBER OF AMERICAN CONGRESS ON SURVEYING AND MAPPING _____ Yes _____ No _____

MEMBER OF LOCAL CHAPTER OF I.S.P.L.S. _____ Yes _____ No _____ Chapter _____

TYPE OF MEMBERSHIP DESIRED

- ☐ MEMBER \$75.00
- ☐ JUNIOR \$45.00
- ☐ ASSOCIATE \$45.00
- ☐ STUDENT \$15.00

Check One

REFERENCES

Name _____ Address _____ Phone _____

I hereby certify the above statements are true and correct and that I will abide by the Constitution and By-Laws of the "Indiana Society of Professional Land Surveyors" and will promote and uphold its principles and objectives.

Signature _____

Date _____

MEMBERSHIP CLASSIFICATIONS

- Member:** A member of this Corporation shall be limited to Registered Land Surveyors in good standing with the Indiana State Board of Registration for Land Surveyors. A member shall be eligible to vote, hold office and to participate fully in the affairs of the Corporation.
- Junior:** A Junior Membership will be granted to those non-registered individuals who are endeavoring to make Surveying their chosen career. A Junior Member is entitled to vote and participate fully in the affairs of the Corporation but shall not be entitled to hold office.
- Associate:** An Associate Membership will be granted to anyone who is associated or affiliated with the Land Surveying profession but is not otherwise pursuing registration or any non-resident who is registered and in good standing as a Land Surveyor. An Assoc Member is not entitled to vote or hold office but will receive Newsletters and be invited to participate in meetings.
- Student:** A Student Member shall have the same eligibility requirements as those of a Junior Member, except that this class of Membership shall apply for a period of four (4) years only. A Student Member is not entitled to vote or hold office but will receive Newsletters and be invited to participate in meetings.

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HOOSIER SURVEYOR

VOLUME 10, NUMBER 1, WINTER 1983

Committee Assignments as of March 21, 1983

STANDING COMMITTEES

Headquarters - ISPLS

Executive Committee Function

Jud Rouch - President
Jake Hall - President-Elect
Robert Bigelow - Vice-President
Gary R. Kent - Secretary
Lee Bender - Treasurer

By-Laws

Robert Bigelow - Chairman
Rollyn Blankenbaker - Vice-Chairman
Byron Brady

Chapters

James Q. Morley - Chairman
Jerry Carter - Vice-Chairman
Rex Bowman
Robert Daake
Ordell Gertsmeier
Mike Feldbusch
Greg Buckel

Continuing Education

David A. Wahlstrom - Chairman
Carl Anderson - Vice-Chairman
Art Haase
Dallas Montgomery
Wes Crawford

Convention Coordinating

Robert Bigelow - Chairman
Gary R. Kent - Vice-Chairman
Dan Pusey

Sub - Convention 1984

Roger Woodfill, Roger Fine-Co-Chairmen
Larry Manning
Don Craig
Larry Pensinger

Sub - Convention 1985

John McNamara - Interim Chairman
Don Rock
Byron Brady

Sub - ACSM Convention 1985

Roger Woodfill - Chairman
C.A. Budnick - Vice-Chairman
David A. Wahlstrom
Jerry Carter
Orwic Johnson
Ron Wharry

Indiana Historical Land Marks

Nelson Prall
Walter Strahl
Phillip Thornburg
Garner Willey
Jerry Martin

Ethics

John V. Schneider - Chairman
John W. Whitlock - Vice-Chairman
David Wolf

Finance

Lee Bender - Chairman
Jake Hall - Vice-Chairman
Carl Anderson

Legislative

Pat Cunningham - Chairman
Bradley Rayl - Vice-Chairman
Dale Long
William Tanke
Luther Condre
Kent Ward
Ralph Wallem

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Pat Cunningham - Vice-Chairman
Jerry Carter
Hershel Manhart
John Silnes

Nominating

Wesley Day - Chairman
David Wolf - Vice-Chairman
Orwic Johnson

Public Relations

Ronald Wharry - Chairman
Ray Tappan - Vice-Chairman
David Smoll
Dale Grimes

Public Relations - Sub

S.W. Satellite
Ralph Wallem - Coordinator
Lee Mehling
Art Haase
S.E. Satellite
Rollyn Blankenbaker - Coordinator
Dallas Montgomery
Phil Burress
N.W. Satellite
Don Shapiro - Coordinator
Jim Gorske
Ken Gembala
N.W. Satellite
Ron Weaver - Coordinator

Publications

Alan Stanley - Chairman
Larry Manning - Vice-Chairman
Don Craig
Dan Pusey

Scholarship

Lee Bender - Chairman
James Q. Morley - Chairman South
Art Haase
Orwic Johnson
Lee Bender
Greg Eveslage
Emil Beeg - Chairman North
Dan Pusey
Donald Bengel
Greg Deeds
Lee Bender

Standards

Albert McConahay - Chairman
Wesley Day - Vice-Chairman
John E. Fisher
William Andrews
Scott Zacharias

Standards

Sub - Control Densification
David Wolf - Chairman
John McNamara - Vice-Chairman
Bill Boyer
(Ken Curtis - Advisor)

Sub - Topographic/Construction
Wesley Crawford - Chairman
Dan Woo - Vice-Chairman
David Pilz

Sub - Monumentation
Jack Irwin - Chairman
Mike Arena - Vice-Chairman
Bruce Atkinson
(Roger Durham - Advisor)

Past President's Council

Rex Bowman - Chairman

Librarian

Ken Curtis

Hoosier Surveyor Editor

Gary R. Kent

State Board of Registration

Julian "Jud" Rouch - Liaison
John W. Whitlock - Alternate

Construction Council

Jacob E. Hall - Representative
Larry Manning - Alternate

NSPS Governor

Gary R. Kent - Chairman
Pat Cunningham - Alternate

Summer Family Function

Don Bengel - Chairman
Kenton Ward
Greg Deeds
Al McConahay
Bill Andrews
Dave Pilz

AD HOC COMMITTEES

L.S. Exam

Wesley Day - Chairman
John V. Schneider - Vice-Chairman
James Dankert

Sub - L.S. Exam

George Crowder - Coordinator
Don Bengel
Robert Kelker
Steve Wood
Ron Weaver
Alan Stanley

EDITOR'S NOTE

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

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Gary Kent
Editor

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PRESIDENT'S MESSAGE: Jud Rouch

To keep within our austere budget, it requires that we operate strictly as an "all volunteer" society. That means that we all need to contribute to the work effort. Elsewhere in this issue are the committee assignments as of March 21, 1983 and the initial charges to those committees. There are still a couple of slots to fill in the committee list. Also there will need to be replacements from time to time due to illness, moves or in infrequent cases, to not being able to contribute sufficient time to make the committees work. We need additional volunteers to be on the replacement pool that will be utilized to fill committee vacancies as they arise. Please notify me if you are willing for your name to be placed in this much needed manpower pool. We all need to work together for the betterment of our profession.

EDITOR'S COMMENTS Gary R. Kent

A longtime member of ISPLS has been fortunate enough to have come into possession of the proceedings from several meetings of a former professional society of surveyors and civil engineers that existed in the late 19th century in Indiana. We owe our thanks to Mr. Adrian Marks, an attorney and abstractor from Frankfort, for turning this material over to one of our members. We will run portions of this material in this and future issues of the Hoosier Surveyor.

1982-1983 SUSTAINING MEMBERS

Accu-Air Surveys, Inc. P.O. Box 63 1220 "A" Avenue Freeman Field Seymour, Indiana 47274 812/522-2300	Hickerson Instrument Company 6011 E. 34th Street Indianapolis, Indiana 46226	G. Lengemann Company 2314 N. 5th Street P.O. Box 496 Niles, Michigan 49120
Harrison Marker and Instrument Company Box 588 Anoka, Minnesota 55303 612/421-1445	Schonstedt Instrument Company 1775 Wiehle Avenue Reston, Virginia 22090	

1982-1983 Firm Members (Firm Member Professional Directory Follows)

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Columbus Surveying and Engineering Company	Plumb-Tucket & Associates
Paul I. Cripe, Inc.	Paul Primavera & Associates
John R. Donovan	Reid, Quebe, Allison, Wilcox & Associates
Fink, Roberts, and Petrie, Inc.	Jud Rouch Surveying Consultants
E. J. Hutson & Associates	Zarko Sekerez
Mid-States Engineering Company, Inc.	Alan Stanley
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O'Brien Engineering	United Consulting Engineers, Inc.
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<p>John R. Donovan 2030 Inwood Drive Fort Wayne, Indiana 46805</p>	<p>O'Brien Engineering 448 Meadow Lane Madison, Indiana 47250 812/273-4360</p>
<p>Fink, Roberts & Petrie 3307 W. 96th Street Indianapolis, Indiana 46268 317/872-8400</p>	<p>Ohio Valley Engineers, Inc. 602 MAIN STREET PETERSBURG, INDIANA 47567 812 - 354 - 8893</p>



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CIVIL ENGINEERING
LAND SURVEYING

P.O. Box 52 HUNTINGBURG, INDIANA 47542

HIGHLIGHTS FROM ISPLS BOARD OF DIRECTORS MEETINGS

November 13, 1982 - ISPLS Headquarters, East 38th Street, Indianapolis.

Attending: John Whitlock, Al McConahay, Jake Hall, Bob Bigelow,
Jud Rouch, Ray Tappan, Jim Morley, Bill Andrews,
Lee Bender, Pat Cunningham, and Gary Kent.

Not attending: Dave Wolf

- Treasurer Jake Hall presented monthly budget statement and predicted a \$9000 carryover at the fiscal year's end (includes dedicated reserve funds).
- ISPLS paid ISPE \$500 towards the purchase of a new copy machine. This allots us 14,000 photocopies without charge. The old copier was sold at a profit to the Society of \$450.
- Report on the need for a state plane coordinate workshop and use of state plane coordinates in defining the Indiana-Kentucky boundary by Dave Wahlstrom, chairman of the Education Committee. Dave will pursue the establishment of such a workshop. Education Committee, per Dave Wahlstrom's recommendation, was instructed to investigate the possibility of a microcomputer workshop for Spring 1983. Also to look into inviting Gurdon Wattles to put on a Fall workshop.
- Wes Day, chairman of the Nominating Committee, presented report listing nominees for Board of Directors election. Also presented results of election of Jake Hall as President-Elect.
- Lee Bender reported for the Scholarship Committee on the progress of the establishment of a fund at Purdue University. Jim Morley will investigate the formation of a similar fund at Vincennes University.
- Information is being gathered for investigation into the establishment of a regional campus for surveying.
- Motion made and carried naming Ken Curtis Special Honorary President Emeritus.

January 8, 1983 : ISPLS Headquarters, East 38th Street, Indianapolis.

Attending: John Whitlock, Al McConahay, Jake Hall, Bob Bigelow,
Jud Rouch, Bill Andrews, Lee Bender, Pat Cunningham,
Gary Kent, and Dave Wolf.

Not attending: Jim Morley and Ray Tappan.

- Motion made and carried donating carpeting from previous headquarters to Indianapolis-Marion County Children's Guardian Home.

(continued next page)

HIGHLIGHTS...

- Financial report presented by Treasurer Jake Hall. Financial projections are to be presented at the February 16, 1983 Board meeting.
- Scholarship money collected thus far is to be forwarded to the appropriate University. All future donations will be sent directly to the Universities by the individual donors.
- Paul Lewis of Marketpac International presented information on a group insurance policy to be made available to surveying businesses in Indiana. Asked for ISPLS endorsement of the program and outlined benefits to the society in doing so. Florida and Michigan have already endorsed the program. Al McConahay, Pat Cunningham, and Dave Wolf will investigate the proposal including correspondence with Florida and Michigan societies for a report at the February meeting.
- Motion made and passed appointing Dave Wolf to be a nominating committee of one to prepare a possible slate of candidates to fill the anticipated vacancy on the Board created by Jake Hall's ascension to President-Elect.
- Motion made and carried accepting the report of the Nominating Committee showing Pat Cunningham, Carl Anderson and Larry Manning elected to three year terms on the Board.
- Report on 1983 Annual Conference indicating that 15 booths have been sold as of January 6, 1983.
- Ethics Committee directed to draft a proposal outlining procedure in handling matters brought to its attention.
- Motion made and carried granting Owen C. Smith, Jr. Life Member status contingent upon receipt of notice of retirement.
- Motion made and carried granting Leo J. Strack Life Member status.
- Reviewed 1982 Annual Report of Northwest Chapter of ISPLS.

March 5, 1983 - ISPLS Headquarters, East 38th Street, Indianapolis

Attending: Jud Rouch, Bob Bigelow, Gary Kent, Al McConahay,
Ray Tappan, Carl Anderson, Lee Bender, Jim Morley,
Larry Manning, and John Whitlock.

Not Attending: Jake Hall and Pat Cunningham.

- Motion made, seconded, and carried transferring \$1119.67 of interest income to budget line item P-10 in order to fund the payroll for the office secretary for two more months. Additional funds will need to be made available in P-10 at a later time.
- Scholarship Committee (Lee Bender, reporting) made its selection for the awarding of the Purdue scholarship in April. One recipient was named due to only about \$525 being in the fund. Had additional funds (\$1000 total) been available in the scholarship fund, two recipients would have been named.
- President Rouch has authorized the payment of \$100 from the President's Contingency Fund to Peggy for her convention expenses.
- Kent reported that H.B. 1564 has passed the House and is scheduled for hearing in the Senate Governmental Affairs Committee [see elsewhere in this issue for details on this bill].
- Jim Morley reports that a new Southwest Chapter of ISPLS is going to be formed at an organizational meeting on March 24th. The new chapter will include, but not be limited, to the cities of Evansville, Jasper, and Tell City.
- The 1984 ISPLS Convention Committee is meeting on March 5th in Cincinnati with Kentucky and Ohio representatives.

(continued next page)

HIGHLIGHTS...

- John McNamara attended Michigan's convention in February and invited the Michigan Society to join with us in a Bi-State convention in 1985 at South Bend. Although initial reaction from the Michigan Society was negative, they will be invited to discuss the idea at the ISPLS Board meeting in May at South Bend.
- A report on the Marketpac Insurance proposal is not ready and will be heard at the April meeting.
- Richard Byers was accepted as a Junior member into ISPLS.
- A motion was made, seconded, and carried stating that ISPLS will not send a letter of support to Mike Feldbusch, Warrick County Surveyor, in his suit against the Plan Commission of that county.
- A motion was made, seconded and carried naming Guy Pacey an Honorary Member of ISPLS.
- Gary Kent reports that the City of Indianapolis will be celebrating "Surveyor's Week" on March 19-23, 1983 by Mayoral Proclamation to be made on March 10th. This coincides with the dates of the National Surveyor's Week effort by ACSM. Indiana as a state celebrated "Surveyor's Week" during the week of our State convention as has been tradition for the past several years.
- Motion made, seconded and carried establishing a policy to accept one-half annual dues with new (first time) applications for membership received at headquarters after January 1st of each year.

The dates of future board meetings scheduled at this time are as follows:

April 9, 1983 : 10:00 am, Room 111 in the Civil
Engineering Building at Purdue.
May 7, 1983 : Time not set, Convention Center
in South Bend.

I.C.I.C. POLL

The Indiana Construction Industry Council is taking a poll to determine what members believe is a reasonable period of time before a bid date to impose a blackout. That is, a reasonable period of time before the date after which an architect or engineer may refuse to answer questions concerning bidding information. If you have an opinion in this matter, contact Jake Hall, our liaison with I.C.I.C.

A.C.S.M. LEGISLATIVE ACTIVITIES

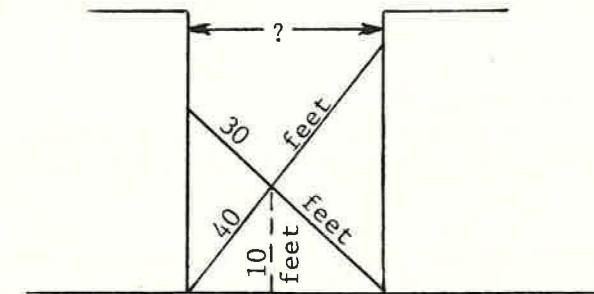
ACSM, through its Governmental Affairs Director John Palatiello, is making headway in its efforts to correct some problems in areas affecting Land Surveyors. John has received word from the Department of Labor that it will "look into" the removal of land surveying and photogrammetry from its list of apprenticeable occupations. There has been no promise to actually make the change, but the fact that it will be looked at is a major step. [from a report given at the Board of Governors Meeting on March 14th]

THE PROBLEM CORNER

[from HI's & PI's, publication of the Arkansas Association of Registered Land Surveyors, November 1982]

The Problem

Thirty and Forty foot ladders are leaned in opposite directions between two buildings. Compute the distance between these buildings if the intersection of the ladders is 10 feet above the ground.



(drawing not to scale)

The first correct answer received at headquarters will have its author recognized in the next issue.

NSPS MODEL POLICY ON BRANCH OFFICES

In order to provide for the public health, safety, and welfare, it is hereby resolved that all branch offices, as hereinafter defined, shall be under the direct responsible charge of a resident land surveyor properly licensed to practice in the State in which the branch office is located, and any other states wherein the practice of land surveying is offered from said office. This policy shall not apply to project offices, those established to provide a convenient work environment for a single, specific project. No other land surveying work shall be solicited or performed from a project office.

A branch office is defined as an office established to solicit and/or provide land surveying services at such location remote from the primary business office. A resident land surveyor is defined as a professional who maintains a branch office as his normal place of business. Said resident land surveyor may be the resident professional at only one (1) location at any given time.

The above policy is the official position of the National Society of Professional Surveyors, adopted by the Board of Directors on July 24, 1982.

LEGISLATIVE UPDATE

The following is a listing of all bills introduced into the Indiana Legislature this session that affect or might affect Land Surveyors and/or County Surveyors. A brief digest of each bill is given. This listing was compiled by the County Surveyors Association and the Association of Indiana Counties.

The name of the legislator introducing the bill and the committee to which it was referred is noted. Bills of particular importance to registered land surveyors are marked ** in the left margin.

S.B. 7 Potesta (Governmental Affairs)

Removes requirement for retainage on state and local public construction projects costing over \$100,000, which are now required to have a performance bond.

S.B. 120 Miller (Natural Resources and Environmental Affairs)

Removes authority of the Department of Natural Resources over regulated drains.

** S.B. 229 Jessup, Justice (Agriculture and Small Business)

Makes numerous changes in the drainage law such as: (1) allowing an income tax credit for personal property taxes paid for the county option cumulative drainage fund; (2) requiring use, when feasible, of U.S.G.S. data in county surveyors' plans and profiles; (3) clarifying custody of drainage files; (4) permitting registered land surveyors to do emergency drain contract work; (5) clarifying that the surveyor is not trespassing when entering private land for drainage work purposes; (6) introducing easement size flexibility along new and urban drains; (7) providing for fund transfers to the general drain improvement fund when a drain is vacated; (8) requiring railroads to pay for drain crossing work in the same manner as owners of highways pay for crossings; (9) mandating transfers of certain dead funds to the general drain improvement fund; (10) removing the statutory minimum annual maintenance assessment and letting it be fixed locally; (11) allowing less than 100% of a project to be financed from the optional cumulative drain fund; (12) raising the maximum cumulative fund levy from 5¢ to 10¢ per \$100 of assessed valuation and extending its scope to property within municipal limits; (13) allowing cumulative fund maintenance projects under \$5000 to take place without a prior public hearing; (14) ending duplicate filling of drainage documents with the surveyor and clerk; and (15) clarifying that the county treasurer puts interest earned from drainage funds back into those funds.

H.B. 1068 Mangus (County and Township)

Provides that interest earned from the investment of the various drainage-related funds is returned to those funds.

continued next page

LEGISLATIVE UPDATE (CONTINUED)

H.B. 1036 Mauzy (Natural Resources)

Establishes fees for the issuance of permits to change the shoreline or alter the bed of a freshwater lake; to dig, dredge, or clean a ditch or drain having a depth lower than a nearby public freshwater lake; to construct a channel, to build on a floodway, and to take sand or gravel from the bed of navigable waters.

H.B. 1057 Roorda, Cook (County and Township)

Provides that joint drainage boards of five or more counties in drainage basins exceeding 100,000 acres make notice of maintenance assessments by publication rather than by mailings to individual property owners.

H.B. 1252 Keeler (Governmental Affairs)

Gives each bidder on a Barrett Law Project the option of submitting a bid bond, instead of a certified check, to insure that the bidder will execute a contract if his bid is accepted; and clarifies that each bidder on a drainage project may elect to submit either a certified check or a bid bond with his bid.

H.B. 1222 Warner, Cook (County and Township)

Concerns county and municipal option cumulative drainage funds; permits cumulative fund (or municipal appropriations) to pay part, rather than all, of a project cost; raises the maximum cumulative fund levy from 5¢ to 50¢ per \$100 of assessed valuation; extends county's tax base to take in incorporated territory; removes the requirement of notices for maintenance projects.

H.B. 1090 Fox (Ways and Means)

Appropriates \$362,750 to the Department of Natural Resources for cleaning and snagging the channel of the north branch of the Elkhart River.

H.B. 1544 Espich (County and Township)

Provides that interest earned from the investment of the various drainage related funds is to be returned to those funds.

H.B. 1595 Mock, Gerig, Heeke, Cook (County and Township)

Same as S.B. 229

S.B. 450 Harrison (Agriculture and Small Business)

Specifies that counties may obtain loans to finance certain drainage projects. Stipulates requirements.

** S.B. 425 Niemeyer (Governmental Affairs)

Changes the method of naming the five members of a county plan commission; calls for two to be appointed by the county executive, two by the county fiscal body, and one by the circuit court judge. County surveyor's appointee, if he chooses not to serve himself, must be a surveyor instead of a "qualified deputy".

continued next page

LEGISLATIVE UPDATE (CONTINUED)

**** H.B. 1794 Fox (County and Township)**

Provides that only the county surveyor or his designee may change the location of a corner monument; anyone desiring that a monument be removed or changed must notify the county surveyor in writing before removal. [Passed committee as of 2/6/83]

**** H.B. 1564 Dillinger (County and Township) [Passed committee 2/15/83]**
Amends IC 36-2-7-10 to provide that the county recorder collect \$1 for each deed he records to be put in a county surveyor's corner perpetuation fund. Amends IC 36-2-12-11 to extend from 1985 to 1990 the time period for each county surveyor to check or reestablish the original corner markers in his county and to provide for use of the "corner fund" for marker perpetuation purposes. Amends IC 36-2-12-12 to provide that unregistered county surveyors or their employees are not trespassers while doing corner work and maintaining the legal survey record book. Amends IC 36-2-12-15 to increase from \$2 to \$4 the county surveyor compensation for drain miles described and certified; and to require compensation for each corner reference he is required to make, in the amount of \$2 for unregistered and \$4 for registered county surveyors.

S.B. 372 Townsend, Jessup (Agriculture and Small Business)

Amends IC 36-9-28 to permit counties through their drainage boards to participate in the same levee, sewer, or drain projects that municipalities may now do by landowner assessment; adds constructing or improving dams to the permissible kinds of projects; removes the requirement that the municipal general fund pay for project management and maintenance and instead requires property owners to pay this cost.

H.B. 1330 Cook, Roorda (?)

Amends IC 6-7-1-29.1 to specify that money appropriated to the department of natural resources from the cigarette tax fund for flood control may be used for land treatment and sediment control projects. Also appropriates \$12,000 for a Bruce Lake Sediment Control Basin.

H.B. 1111 Mullendore (County and Township)

Permits county drainage board to use its own work force for drainage projects costing less than \$15,000, subject to the requirements of the general public works law.

H.B. 1498 Espich (County and Township)

Same as S.B. 372.

H.B. 1531 Cook, Roorda (Ways and Means)

Appropriates \$400,000 to the Department of Natural Resources for flood control purposes of the Kankakee River Basin Commission.

**** H.B. 1391 Hession (Governmental Affairs)**

Amends the state law with regard to subdivisions so that a professional engineer is not named as one of the persons allowed to certify plats.

FOR THE RECORD- NEWS ABOUT OUR MEMBERS

Roger Woodfill, former President of ISPLS, has been elected to the office of Vice-President of the National Society of Professional Surveyors. Traditionally, the vice-president is elected the following year to the office of president.

Kenneth S. Curtis was named "Special Honorary President Emeritus" of ISPLS at the awards luncheon in Champaign. This award has been conferred on at least two other outstanding members of the society in past years. Professor Curtis received an attractive plaque with the award.

Roger Woodfill was awarded the prestigious "Bridge" award at the same awards luncheon. He joins John Schneider and Ken Curtis as recipients of this award.

Guy Pacey, longtime member of ISPLS (1955-1980), has been named an Honorary Member of ISPLS by action of the Board of Directors on March 5th.

We would like to welcome Richard Byers into the society as a Junior Member.

Many thanks to John Whitlock for his services as President during this difficult time in the society's history.

CALENDER

July 30, 1983: Family Get-together at Fort Ouietanon in West Lafayette.

September 18-23, 1983: ACSM-ASP Technical Meeting in Salt Lake City, Utah.

October 7-8, 1983: ISPLS Fall Workshop, Indianapolis (Airport Hilton). Gurdon Wattles, widely read, highly respected Land Surveying authority.

February 17-19, 1984 Tri-State Convention in Cincinnati at the Marriot Hotel.

ANNOUNCEMENTS

Standards Committee chairman Al McConahay asks that any member having an interest in or suggestions regarding the formation of surveying standards contact him in writing (see the Roster Issue for his address).

The proceedings of the 31st Annual Convention just held at Champaign are available through ISPLS Headquarters for \$5.00. Many of the papers presented at the meeting are published in booklet form.

31st ANNUAL CONVENTION HIGHLIGHTS

The 31st Annual Convention of the Indiana Society of Professional Land Surveyors was held in conjunction with Illinois' annual affair on February 16-18, 1983 at Champaign, Illinois. The meeting was well attended, all things considered, with approximately 400 persons showing up. Nearly one hundred ladies participated in the ladies' program, which according to reports, was an excellent program.

The technical sessions and concurrent workshops were very well attended due to an excellent selection of topics and speakers. Ken Curtis and the program committee are to be commended for the high quality of this year's program.

The awards luncheon came off well, despite the fact that the ladies inadvertently scheduled their own separate meal. The "Bridge" was awarded by President John Whitlock to Roger Woodfill for his years of dedicated service to the society. Ken Curtis was named "Special Honorary President Emeritus" in a surprise presentation.

The banquet on Friday night was attended by well over 300 persons. A number of extremely nice door prizes were contributed by some of the exhibitors, providing for the evening's excitement. Those who wanted to enjoy dancing to "Medicare 7, 8 or 9", a lively group of "seniors".

If you missed the convention this year, talk to some who attended and you'll find that you'll wish you had.

The proceedings of the convention are available in an attractive booklet through headquarters for five dollars. This booklet contains many of the papers presented and has some excellent material in it.

The annual business meeting was attended by 40 persons. The highlights of that meeting follow:

- Meeting called to order by President Whitlock at 3:45pm.
- Minutes of 1982 meeting were read and approved.
- By-Law amendments were presented by By-Laws Committee chairman Al McConahay for ratification by the membership. Motion was made, seconded and the motion carried.
- James Donahue made a request for support of the ACSM PAC Committee.
- Gary Kent reported on several bills pending in the state legislature. [see details elsewhere in this issue]
- Larry Manning reported on the efforts involved in the printing of the new roster.
- Roger Woodfill asks that ACSM-NSPS members carefully study the proposed ASCM-ASP merger before voting.
- Jud Rouch presented his committee chairmen and vice-chairmen assignments for 1983. [see details elsewhere in this issue]
- The 1984 convention will be a "Tri-State" affair to be held Feb. 17-19, 1984 in Cincinnati.
- Meeting adjourned 4:30pm.

31st Annual Convention Acknowledgements

Once again we would like to recognize those companies that support our Society through participation as exhibitors at the annual convention:

Engineers & Surveyors Service Company
G. Lengemann Company, Inc.
Keuffel & Esser Company
Hickerson Instrument Company, Inc.
Kara Company, Inc.
Seiler Instrument and Manufacturing Co., Inc.
F.D.C. Drafting Aides Corp.
Schonstedt Instrument Company
Ellerbush
V.S.A. Computers

Marbaugh Engineering Supply Co.
Advanced Drainage Systems
Abrams Aerial Survey Corp.
Kucera & Assoc. Inc.
Accu-Air Surveys Inc.
Insurance Designer-
Ins. Spec. Inc.
Danner & Assoc.
National Surveying
Instruments Inc.

In addition, we would like to thank those companies that donated the numerous very nice gifts which were given as door prizes at the banquet. Particular thanks goes to Kara Company for the beautiful antique surveying instrument and Accu-Air for the \$750 worth of aerial mapping.



Roger Woodfill is presented "The Bridge" by outgoing President John Whitlock.



Ken Curtis was named "Special Honorary President Emeritus" for his many years of dedicated service.



John Whitlock is presented the Past-President's Award by incoming President Jud Rouch.



New ISPLS President Jud Rouch addresses banquet attendees.

1983 ISPLS COMMITTEE CHARGES from ISPLS President Jud Rouch

As President of this Society, I charge all committees as follows:

- (1) To review and take action as directed on matters referred to them by the president.
- (2) To make timely written reports of committee activities to the Board of Directors via the president. Said written reports are to be submitted within 10 days following each committee meeting, with a minimum of one report per quarter.
- (3) To prepare and submit the committee annual report by December 31, 1983.

In addition, the following committees are initially specifically charged as follows:

Bylaws Committee

- (1) To study any bylaw change proposals from the membership and to make recommendation to the Board of Directors for any needed revisions.

Chapters

- (1) To monitor the activities of each existing chapter and encourage those not functioning on a regular basis to do so.
- (2) To make monthly oral reports to the Board of Directors and to forward written summaries of said reports to the Hoosier Surveyor Editor.
- (3) To provide each chapter with a report of Board of Director actions by means of the chapters committee representative receiving Board minutes and reporting on same to his chapter.
- (4) To actively encourage and assist those members living in areas of the state not represented by chapters to form same.

Continuing Education

- (1) To plan and conduct Spring and Fall workshops.
- (2) To recommend to the Board of Directors any further workshops that the committee feels would be useful.
- (3) To provide a list of possible future workshops for the following year's committee to consider.

Convention Coordination

- (1) To advise the individual convention sub-committees and to monitor convention budgets and preparation schedules to ensure responsible and timely progress.
- (2) To report said progress to the Board of Directors.

Convention Sub-committees

- (1) To plan and conduct the various assigned conventions, making timely and frequent reports to the Board of Directors via the convention coordination committee.
- (2) To obtain Board approval of all budgets before committing the Society to convention expenses.

1983 Committee Charges ... *continued*

Ethics Committee

- (1) To make recommendations to the Board of Directors on ethical matters per Society Bylaws.

Finance Committee

- (1) To prepare annual budget recommendations for the Board of Directors.
- (2) To monitor Society expenditures to ensure budget compliance.
- (3) To make monthly financial reports to the Board of Directors.
- (4) To prepare the Society annual financial report utilizing such accounting services as may be required when authorized by the Board of Directors.

L.S. Exam Nucleus Committee

- (1) To prepare exam questions for submittal to the Registration Board appointed exam preparer.
- (2) To coordinate and advise the L.S. exam satellite committee.
- (3) To study exam format and make any desired recommendations for change to the exam preparer.

L.S. Exam Satellite Committee

- (1) To prepare suggested exam questions for the L.S. exam nucleus committee.
- (2) To ensure strict confidentiality of said questions.

Legislative Committee

- (1) To monitor state legislature activities that affect surveyors and report same to the Board of Directors.
- (2) To make recommendations to the Board of Directors on needed legislation and to forward to the state legislature that proposed legislation approved by the Board of Directors.

Membership Committee

- (1) To advise the Board of Directors on programs to increase membership and to follow up on those programs approved by the Board.
- (2) To process membership applications as required by Society bylaws.
- (3) To maintain a current membership list.

Nomination/Tally Committee

- (1) To conduct those activities required by the Society bylaws.

Public Relations Nucleus Committee

- (1) To endeavor to complete the slide presentation project by the end of summer.
- (2) To advise the Board of Directors on programs to enhance the Society's public image and to follow up on those programs approved by the Board.
- (3) To make monthly written reports to the Board of Directors and to the Hoosier Surveyor Editor on promotional activities being conducted by the regional satellite committees.

(Public Relations Nucleus Committee-continued)

- (4) To act as a regional satellite public relations committee for the central portion of the state.

Public Relations Regional Satellite Committees

- (1) To schedule presentations on the role of the Surveyor to local service clubs, high school science or vocational clubs, and similar types of organizations.
(2) To report to the Public Relations Nucleus Committee on promotional activities scheduled and conducted.

Publications Committee

- (1) To review the demand or necessity for revisions or reprinting of existing ISPLS manuals and to follow up on those approved by the Board of Directors.
(2) To investigate the need for preparation and printing of new manuals and make recommendations to the Board of Directors on same.

Standards Nucleus Committee

- (1) To review standards as established by other states as well as those presented by this Society on August 10, 1979.
(2) To prepare suggested standards for boundary/land surveys.
(3) To provide advice and coordination to the satellite standards committees in the preparation of their assigned areas of standards.
(4) To integrate the individual area standards recommendations into a comprehensive standards proposal in time for consideration for membership ratification at the next annual meeting.

Standards Satellite Committees

- (1) To prepare standards recommendations for the assigned area and to submit same to the standards nucleus committee by the end of September.

Scholarship Committee

- (1) To investigate the feasibility of creating a scholarship for qualified incoming freshmen into the 4 year L.S. degree program and to make recommendations to the Board of Directors on same.
(2) To conduct a campaign to educate the membership on the advantages of the new scholarship donation procedures.

County Surveyors Committee

- (1) To provide a liaison between ISPLS and the County Surveyors Association.
(2) To investigate possible statutory or regulatory changes needed to enhance and improve the function and efficiency of the Office of County Surveyor in Indiana and to report to the Board of Directors on same.

[Note: Committee assignments are listed on Page 1 of this issue!]

JOIN PLAT ... SERVE THE PROFESSION

For too many years the surveying and mapping profession was limited to the role of spectator when it came to the game of politics and legislation. An important contest was under way in the United States Congress and while we sat on the sidelines, others were running up the score — at our expense.

The setbacks were numerous. The Brooks Bill passed without the clarification needed to eliminate any doubt about the application of that law to surveying and mapping services; the Surface Mining Act was enacted with a last-minute change that placed surveyors in a subordinate role that failed to recognize the professional's ability to provide services traditionally reserved for him by state law; and federal land survey procedures inconsistent with accepted state law and current state-of-the-art accuracy have been allowed to continue without reform. The line up goes on, but the bottom line is the need for the profession to move off the sidelines and onto the playing field.

Your national organization, the American Congress on Surveying and Mapping, has fielded a team to represent you. A full-time Government Affairs Director has been on the job for almost a year, working with Congress and federal agencies on the issues affecting the profession. An active Legislative Affairs Committee has provided testimony to Congressional committees and comments

to numerous federal panels on problems that affect you. A voluntary political action committee has been formed to help elect candidates who support the profession's goals. Now your help is needed.

You've heard the old expression "you can't follow the game without a program." That is certainly true when it comes to the game of politics and legislation. That is why ACSM, the national voice of the surveying and mapping profession, has formed PLAT — the Political and Legislative Alert Team. PLAT is the surveying and mapping profession's "program" of players for the game that is played every day in the halls of Congress.

If you know your Congressman or U.S. Senator as a constituent, relative, friend, business associate, or as a supporter of his election campaign, your national professional society wants to know who you are.

PLAT will not take much of your time, but it will be a great help to your job and your profession. The way PLAT works is simple; when an important issue affecting the profession comes before Congress, ACSM will notify you so that you can contact the Congressman or Senator you know and advise him of the profession's views. Please join PLAT today by completing the form printed below and sending it to ACSM.

POLITICAL and LEGISLATIVE ALERT TEAM (PLAT)

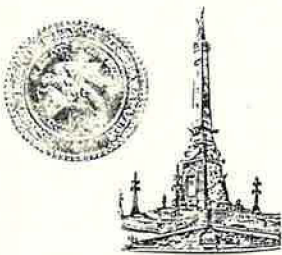
Name of Senator _____
Name of Congressman _____
Your Name _____ (Congressional District)
Your Address _____
Your Phone _____ (Street) (City) (State) (Zip)
Basis of Your Relationship with This Legislator (Please check all appropriate lines)
____ Constituent _____ Social
____ Family _____ Political Campaign Involvement
____ Personal Friendship _____ Service Club or Similar
____ Business or Professional _____ Other (Specify) _____
Comment on length and degree of association and your estimate of legislator's understanding of surveying problems, or your acquaintance with legislator's staff _____

Return to: John Palatiello, ACSM Government Affairs Director, 210 Little Falls Street, Falls Church, Va. 22046

SURVEYOR'S WEEK IN INDIANAPOLIS AND INDIANA

In keeping with the efforts of ACSM to have Congress and the President declare March 13-19, 1983 "National Surveyor's Week", Indianapolis Mayor William H. Hudnut declared that week "National Surveyor's Week" in Indianapolis on March 10, 1983. Representing the Surveying Profession at the ceremony were Jack Irwin (Marion County Surveyor), Jake Hall (ISPLS President Elect), Dave Wahlstrom (President CIC-ISPLS) and Gary Kent (Secretary ISPLS).

Governor Robert Orr declared the week of February 14, 1983 to be "Surveyor's Week" in Indiana on January 27, 1983. This is in keeping with Society tradition of having the week of our Annual Convention used to honor the profession.



CITY OF INDIANAPOLIS

WILLIAM H. HUDNUT, III
MAYOR

PROCLAMATION

"NATIONAL SURVEYORS WEEK"

MARCH 13-19, 1983

WHEREAS: Land surveying is a precise science of establishing boundaries between pieces of private and public property, finding exact directions, and measuring distances on the face of the earth; and

WHEREAS: Several of our nation's most famous forefathers were land surveyors, including: George Washington, Thomas Jefferson, James Polk, Henry David Thoreau and Abraham Lincoln; and

WHEREAS: The City of Indianapolis was designed and layed out by a land surveyor; and

WHEREAS: Land surveyors continue to play an integral part in the growth and prosperity of our City's private and public property:

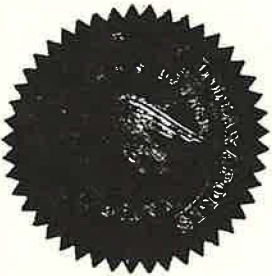
NOW, THEREFORE, I, William H. Hudnut, III, Mayor of the City of Indianapolis, do hereby proclaim March 13-19, 1983, as

"NATIONAL SURVEYORS WEEK"

in Indianapolis, and call upon all citizens to recognize the professional services that Land Surveyors of Indiana provide our State and local communities, and to acknowledge the important role land surveyors play in the development of America.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the City of Indianapolis to be affixed this 10th day of March, 1983.

William H. Hudnut III
WILLIAM H. HUDNUT, III, MAYOR



STATE OF INDIANA

EXECUTIVE DEPARTMENT
INDIANAPOLIS

PROCLAMATION

Executive Order

TO ALL TO WHOM THESE PRESENTS MAY COME, GREETING:

WHEREAS, the Indiana Society of Professional Land Surveyors will hold their Thirty-first Annual Convention in joint session with the Illinois Registered Land Surveyors Association on February 16 - 19, 1983, at the Ramada Inn in Champaign, Illinois; and

WHEREAS, the need for a survey of land has been important to civilization for many centuries; for according to the Old Testament, the first survey of that small country which has held a large place in history, the area known to us as "The Holy Land" was ordered by the Israelite commander and successor to Moses, Joshua; and

WHEREAS, historically, the citizens of Indiana have recognized the value of calculations of the land surveyor to the orderly development and growth of our Hoosier state and to their importance to our property tax based system and the Constitution (Art. 6, Sec. 2) provides for the office of County Surveyor; and

WHEREAS, by upholding high ethical and technical standards, surveyors have demonstrated appreciation for the citizens' trust, and have independently and largely without public assistance, sought to improve and update their profession; and

WHEREAS, one recent example of cooperative effort between state government and surveyors is the work that was done in the 1981 establishment of the boundary line between the Commonwealth of Kentucky and the State of Indiana;

NOW, THEREFORE, I, Robert D. Orr, Governor of the State of Indiana, do hereby proclaim the week of February 14, 1983, as

SURVEYORS' WEEK

in the State of Indiana, and urge all citizens to recognize and honor the importance of the role of the surveyor to our state and nation.



BY THE GOVERNOR

Edwin J. Simcox
Edwin J. Simcox
Secretary of State

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed, the great seal of the State of Indiana, at the Capitol, in the city of Indianapolis, this 27th day of January, 1983.

Robert D. Orr
ROBERT D. ORR
Governor of Indiana

PROCEEDINGS

OF THE

INDIANA SOCIETY

OF

CIVIL ENGINEERS AND SURVEYORS

OF THE

STATE OF INDIANA

AT ITS

NINTH ANNUAL MEETING,

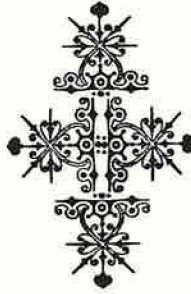
HELD AT

INDIANAPOLIS, JAN. 15, 16 AND 17, 1889.

TOGETHER WITH

The Constitution, By-Laws and other Valuable Matter.

WILSON, HUMPHREYS & CO.
PRINTERS, BINDERS AND STATIONERS,
LOGANSPORT, IND.



OFFICERS FOR 1889.

J. C. PULSE, President Greensburg, Ind.
E. B. VAWTER, Vice President LaFayette, Ind.
J. R. BROWN, Recording Secretary Frankfort, Ind.
G. M. CHENEY, Corresponding Secretary Logansport, Ind.
R. I. MORRISON, Treasurer Knightstown, Ind.

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J. C. PULSE. GEO. M. CHENEY. W. A. OSMER.
R. H. WALLS. JACOB NORRIS.

LEGISLATIVE COMMITTEE.

W. M. WHITTEN. W. A. OSMER. H. B. FATOUT.

COMMITTEE ON DRAINAGE.

CRAVEN SMITH. JOSEPH RUGGS. N. W. GILBERT.

COMMITTEE ON ENGINEERING AND SURVEYING.

CALVIN CARTER. J. F. O'BRIEN. F. KNIGHT.

COMMITTEE ON PUBLIC HIGHWAYS AND BRIDGES.

W. S. FRIES. M. H. DOWNEY. E. B. VAWTER.

COMMITTEE ON INSTRUMENTS, BLANKS AND RECORDS.

R. A. HOWARD. THOS. FINLEY. W. W. CLOUGHTON.

COMMITTEE ON STATISTICS.

G. M. CHENEY. H. S. BORTNER. A. K. WARREN.

COMMITTEE ON NATIONAL PUBLIC WORKS.

R. I. MORRISON. W. A. OSMER. L. S. ALTER.

COMMITTEE ON PRINTING.

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COMMITTEE ON KANKAKEE DRAINAGE.

L. S. ALTER. WM. M. WHITTEN. W. A. OSMER.

COMMITTEE ON NATURAL GAS.

W. A. OSMER. W. S. FRIES. J. L. ROMACK.

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ADVERTISEMENTS

ATTENTION is called to the Advertisements in succeeding pages. The Firms, Establishments and Individuals represented are first-class and reliable, and Members of the Association when purchasing Surveying or Engineering Instruments, Draughting Materials, Drawing Papers, Canoes, Outfits and Supplies Generally, are specially requested to deal with those who take advantage of the pages of the Association Reports as an Advertising Medium.

EXECUTIVE COMMITTEE.

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CONSTITUTION

ARTICLE I.

THIS organization shall be known as the INDIANA SOCIETY OF CIVIL ENGINEERS AND SURVEYORS.

ARTICLE II.

Its objects shall be the encouragement of professional improvement, and good fellowship among its members, by annual meetings for the presentation and discussion of papers on such subjects as may be of interest to its members, and the collection of books, maps, and all other articles of value to the engineering profession.

ARTICLE III.

SECTION 1. Any practical Surveyor or Civil Engineer in good standing, may become a member of this Society upon recommendation of the Executive Committee, and the payment of an initiation fee of \$3, and signing the Constitution and By-Laws.

SEC. 2. Any one interested in engineering improvement or scientific study, may be elected an associate member by complying with Section 1 of this article, and shall be entitled to all the privileges of members, except holding office and serving on committees.

ARTICLE IV.

SECTION 1. The officers of this Society shall consist of a President, Vice President, Recording Secretary

4 PROCEEDINGS OF INDIANA SOCIETY

Corresponding Secretary, Treasurer, and an Executive Committee of five members, two of whom shall be the President and Corresponding Secretary, *ex-officio*. They shall hold office for one year, or until their successors are elected, as hereinafter provided.

SEC. 2. They shall be elected by ballot on the last day of each annual meeting, and their term of office shall begin immediately after the presentation of the annual reports of the Secretaries and Treasurer, at the beginning of the next annual meeting.

SEC. 3. The President, Vice President, Secretaries and Treasurer shall perform the duties usually pertaining to their several offices, and whatever books, papers or any other property belonging to the Society, they may have at the close of their official term, shall be delivered to their successors in office. The Recording Secretary may also be elected Treasurer.

SEC. 4. The Executive Committee shall audit the accounts of the Secretary and Treasurer, shall have a general care of the affairs of the Society, shall arrange the programme of exercises for each annual meeting, and announce the same on the last day of the annual meeting preceding the one at which such exercises are to be held.

SEC. 5. During each annual meeting the President shall appoint the following standing committees of three members each, whose duty it shall be during the year to collate such facts, figures, information or experiments of interest in their respective departments as may be brought to their notice, and make at least one formal report to the Society at the annual meeting following their appointment, viz.:

- Committee on Legislation.
- Committee on Drainage.
- Committee on Engineering and Surveying.
- Committee on Public Highways and Bridges.
- Committee on Instruments, Blanks and Records.

CIVIL ENGINEERS AND SURVEYORS. 5

Committee on Statistics, of which the Corresponding Secretary shall be chairman, *ex-officio*.

SEC. 6. During each annual meeting the President shall appoint a committee of three, entitled, "Committee on National Public Works," whose duty it shall be, when requested to do so, to meet and act with similar committees from other societies similar to our own.

ARTICLE V.

THE Recording Secretary and two other members, to be appointed by the President at the beginning of each annual meeting, shall be a committee to compile and publish the annual report of the transactions of the Society. They shall include in this report all items in the proceedings of general interest; papers read before the Society (carefully revising when necessary), and such other matter as may seem to them advisable.

ARTICLE VI.

THIS Constitution may be amended at any annual meeting, by a two-thirds vote of the members present, but shall never be amended so as to be confined to the exclusive use and needs of any one branch of engineering.

BY-LAWS.

SECTION 1. The annual meetings of this Society shall be in Indianapolis, Indiana, beginning on the third Tuesday of January, at 2 o'clock P. M.

SEC. 2. The Executive Committee shall provide a room for the meeting, and the Corresponding Secretary

shall give twenty days' notice of said meeting to the members of the Society.

Sec. 3. Ten members shall constitute a quorum for the transaction of business.

Sec. 4. Each member shall pay an annual membership fee of two dollars and fifty cents.

Sec. 5. The Treasurer shall pay only such bills as are approved by the Executive Committee.

Sec. 6. The President shall have power to call an extra session when required by Executive Committee.

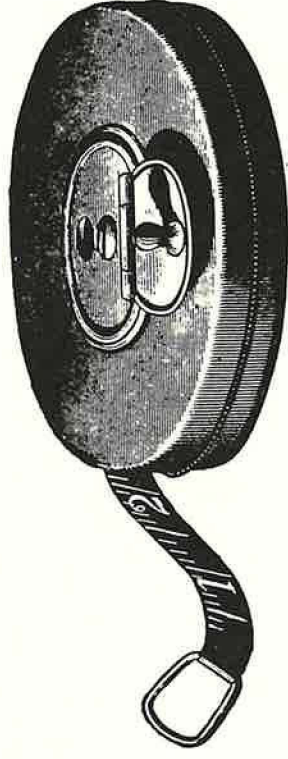
Sec. 7. A record of all donations to the Society, whether in money, books, maps, models or other articles, shall be entered by the Recording Secretary in a book provided for that purpose.

Sec. 8. The order of business shall be as follows:

1. Call to order.
2. Roll call.
3. Report of Recording Secretary.
4. Report of Corresponding Secretary.
5. Report of Treasurer.
6. New officers assume their duties.
7. Address by President.
8. Reports of committees.
9. Unfinished business.
10. New business.
11. Papers and discussions.
12. Election of new members.
13. Election of officers and miscellaneous business.
14. Programme.
15. Reading of minutes.
16. Adjournment.

Sec. 9. The Parliamentary authority for this Society shall be Cushing's Manual.

Sec. 10. The By-Laws may be amended at any annual meeting by a two-thirds vote of the members present.




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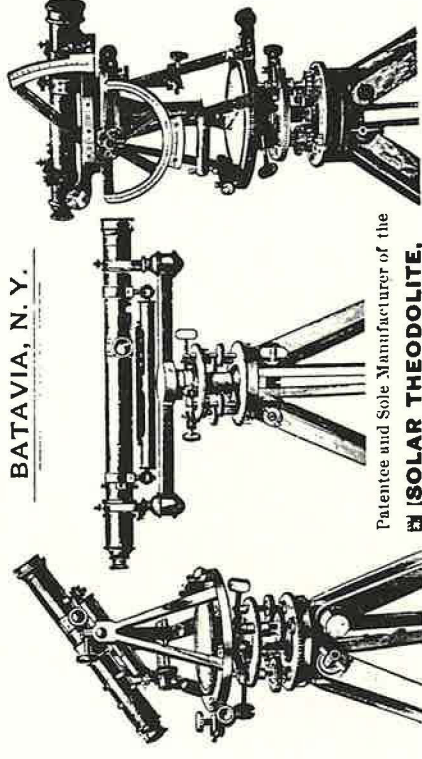
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found in any state or country, and in which is located one of the best and most productive gas belts in the world, where can be found some of the most prosperous and thriving manufacturing cities and towns.

Countries like the southern and eastern portions of the United States, that became partially developed before the services of competent and professional Surveyors were brought into use, have been and are still more or less involved in legal controversies, from which the learned and highest courts in the land could not extricate them; and numbers of worthy, honest and unsuspecting citizens have been thus involved in long and tedious litigation, which resulted in their ultimate ruin.

Land is steadily becoming more valuable, and the demand for more proficient work in surveying is and will steadily increase, as the country develops with internal improvements. In the settlement and development of a new country, the Surveyor's services are almost indispensable. The laying out of farms, towns, cities and devising of plans for their improvement, and the construction of roads, railways and bridges, all should be in the hands of skillful Surveyors and Engineers; and, in order to come up to that standard, we organized our society to give each other the advantage of our experience in the different counties of our State.

I am indebted to my friend from Wabash for a new and original idea which I wish to develop, and through which we may become more learned and proficient in the various details of our work, and that is this: It is quite out of the question for the field practitioner to become a specialist in all departments of surveying and engineering. I think there is a large field for investigation and cultivation in which, through our organization, we can gain many an important lesson and much useful information. Let every member select one special branch of our profession, and through his special investigation master the subject.

The subjects of water supply, drainage, sewerage, street construction, and many more that are pertinent to our calling, when taken up and pursued as specialties, can, with some degree of accuracy and less embarrassment, be presented to the Association. Often ideas thrown out by one are caught up and remodeled by another, and carried into effect by some one else.

Gentlemen, let us try to elevate and honor our profession, instead of waiting for our profession to honor and elevate us.

The principle of the wooden and wooden-trestle bridge was conceived and brought to light by an Italian in the sixteenth cen-

PRESIDENT'S ADDRESS.

Gentlemen, and Members of the State Association of Surveyors and Civil Engineers of Indiana:

With the remembrance of an indulgent Providence, who has guided us thus far and permitted us to assemble again at our annual meeting, do we hail each other's greeting.

After wandering to and fro over our respective counties, we gather together from these domains as members of one important profession to meet with each other in the annual meeting of our brotherhood, reminding us that one more cycle of usefulness and honor has been added to our history, and that one less remains for us to appropriate to our chosen duties. We have not within the radius of the territorial limit of our State, such a vast territory in extent as some of our sister associations, but one very important in its natural and mineral resources, and whose climate for developing the thrift and energy of its inhabitants is perhaps unsurpassed in any nation or clime; and to these, probably, as much as any other cause, we owe so much to the rapid development of our State, when we consider that the vast belt or valley of the central part of this State was, comparatively, but a few years ago, almost uninhabited, save here and there a hut built upon an elevation or mound, or upon pike poles—stilts as they were called—in the swamps where the gnats and mosquitoes reigned with universal sway, and the squally inhabitants chilled, as they said, "thirteen months out of every year."

The tide of enterprise carries with it the ever energetic and progressive genius, and foremost among these forerunners who shall in future years found permanent homes, is the Surveyor or Engineer, who is always found in the van of all such enterprises and improvements; and following in his wake, the traveler now meets, while passing through what was once called the "God forsaken country," some of the finest and most fertile lands to be

tury, but it remained for American genius, fully 200 years later, to develop and bring to life and reduce to practical utility these principles so early discovered and brought to light.

The first wooden bridge given to the world was by two Pennsylvania carpenters, known as the Burr truss; but as railroads developed, the necessity of a more rapid construction necessitated a different design for bridging, which would equalize and provide for the shrinkage of timber by seasoning. This led to the invention of the Howe truss, but owing to their liability to destruction by fire, were superseded in time by iron, which, after a series of improvements, have given us such examples of perfection as Capt. Eads' compound arch steel bridge at St. Louis, Pope's cantilever, and John A. Roebling's suspension bridges at Niagara, Cincinnati and Brooklyn.

The advance in excavation for sub-structure is as marked and progressive as that of the super-structure.

We have many brilliant men in the profession, men possessing original thought and abundant resources, whose experience have taught them many things that would be useful to us, if in some way we could be able to possess ourselves of some of their knowledge. This might appear to some to be unfair, for it would enable us to compete with them on almost equal grounds.

Let us see: Suppose you discover some new and original plan carrying out a work which you find quite valuable to yourself, what should you do? die and let that discovery perish with you, or give it to the world in some permanent way for the use of future generations, and thereby leaving behind a monument that may endure forever.

When my friend from Cass and a few others determined to organize this Association, there was, I believe, but one similar organization in the States, and our design was to "promote the interest and raise the standard of the profession." Now we find an organization for similar purposes in almost all the States. If we unite, we will succeed and reap the benefits, not so much with the idea that such a course would remunerate us, but content ourselves to know that whatever sacrifice we may make in perfecting the work already begun in this Association will not be lost.

We praise and admire the man who is willing to make sacrifices in order that others as well as himself may reap the benefits, while we condemn the mercenary principle that a man will do nothing for his country, profession or any cause whatever, until

after he has determined whether or not it will repay him in dollars and cents.

Gentlemen, the entire field is open before us, and all we have to do is to determine, individually, to do something, then go to work to accomplish that purpose.

Let us proceed at once to organize and work systematically, and success is assured.

And now, gentlemen, allow me to thank you for the honor you have conferred by selecting me to preside over this Association. I shall ever hold in grateful remembrance this act of kindness and confidence as a token of your respect and esteem.

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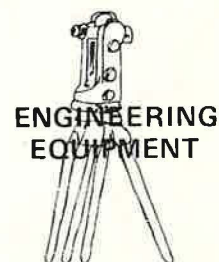
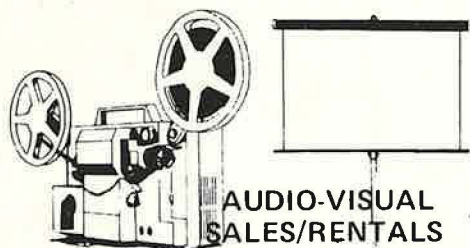
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