

SURVEYOR

HOODSIEER



VOLUME 11
NUMBER 4
FALL 1984



Indiana Society of Professional Land Surveyors, Inc.

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



Jacob E. Hall
ISPLS President 1984

Also In This Issue:

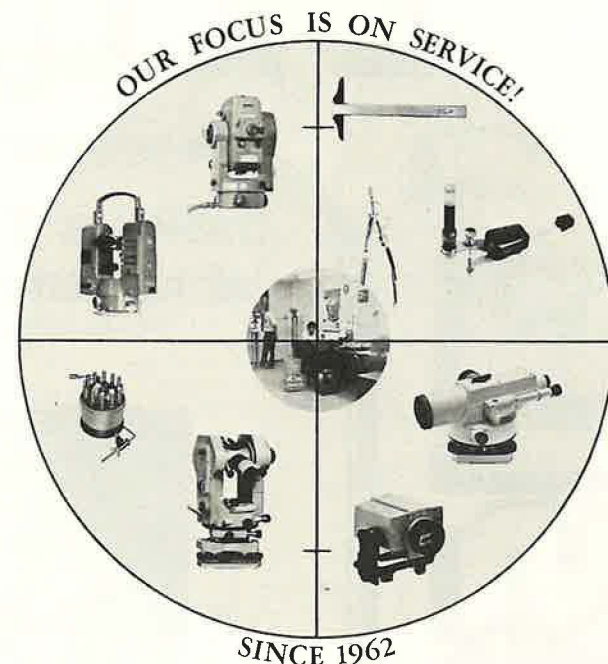
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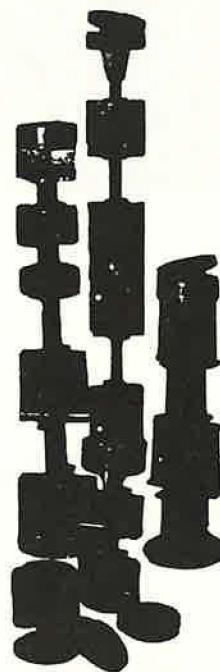


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HOOSIER SURVEYOR

VOLUME 11, NUMBER 4, FALL 1984

Committee Assignments as of March 21, 1984

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Sub - Convention 1986

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Sub - ACSM Fall 1985 Convention

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Wesley Day - Chairman

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John Gidht
Orwic Johnson

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 Marbaugh Engineering Supply Co., Inc., Indianapolis, IN.

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Gary Kent
Editor

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PRESIDENTS MESSAGE - Jacob E. Hall

It is difficult to believe that 1984 has passed so fast. As president, I know of all the unfinished work yet to be accomplished, but, I also look back with pride at the progress our society had in 1984.

We had a ten percent gain in membership this year after many years of declining members. We have turned our financial condition around and are close to our goal of having a surplus of one year's budget. We have re-established our legislative efforts and are working with the other professional societies to form a unified effort at the legislature in 1985. We have elected excellent leadership of our society with Bob Bigelow as president in 1985. Bob has prepared himself well for his term of office and I urge all of our society to help make his term of office successful. I am excited about the Fall A.C.S.M - A.S.P. Convention coming to Indianapolis the week of September 8-13, 1985.

In 1985, get involved by joining I.S.P.L.S. and A.C.S.M., serve on a committee, run for election to the board of directors, sponsor a Trig-Star program at your local high school. The future of I.S.P.L.S. is in OUR hands and I urge you to make a personal commitment to get involved in 1985.

NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS

a member organization of

American Congress on Surveying and Mapping

TRIG-STAR

(A High School Math Skill Award sponsored by NSPS)

Purpose

- 1. To promote the taking of trigonometry in high school, and to promote excellence in the mastery of trigonometry, by honoring the individual student who has demonstrated his or her superior skill among classmates at the High School level.
- 2. To acquaint the high school student of trigonometry with the use and practical application of trigonometry in the surveying profession.
- 3. To build an awareness of surveying as a profession among the mathematically skilled high school students, career guidance counselors, and high school math teachers.

How it works

A local sponsor is needed for each High School. Only one TRIG-STAR will be allowed per school per year. The local sponsor must be a NSPS Member and an Affiliate Member, and must make application to NSPS on forms provided by NSPS. A sponsorship fee of \$25.00 must be included with each application. A contest packet containing contest instructions, a test packet, an award plaque, and sample news releases will be forwarded by NSPS to the local sponsor. The local sponsor will be responsible for making all the local arrangements.

Application for a TRIG-STAR sponsorship

Please send me a TRIG-STAR packet for the High School listed below for which I have enclosed the \$25.00 sponsorship fee. Make check payable to: ACSM-TRIGSTAR.
(Only one TRIG-STAR/school/year is allowed)

Name of High School _____

Address _____

Name of Local Sponsor _____

Street or Box No. _____

City _____ State _____ Zip _____

Phone Number _____

Send to:

TRIG-STAR
210 Little Falls Street
Falls Church, Virginia 22046-4392
Telephone 703/241-2446

SPONSOR A TRIG-STAR IN YOUR HIGH SCHOOL

ISPLS SCHOLARSHIPS – Reasons to Give

As the end of the year approaches, now is the time for ISPLS members to consider donating to the ISPLS Scholarship Fund at the University of their choice (Purdue or Vincennes).

When the facts are analyzed, it can be shown that a \$100.00 donation actually costs only about \$20.00 to give.

The 50% Indiana tax credit for donations to state universities automatically cuts your out-of-pocket expenses in half. The entire donation is then also a deductible expense on your federal tax form. If you are in the 30% tax bracket, then the \$100.00 donation breaks down as follows:

\$100 (initial donation) minus \$50 (Indiana tax credit)
minus \$30 (30% of \$100 donation- deductible expense)
equals an actual cost of \$20.

Consult with your accountant for your particular case. The Indiana tax credit is good up to a maximum credit of \$100.

Our scholarship fund at Purdue allows your donation to be designated to any of the regional campuses.

Those wishing to donate money towards the Scholarship at Vincennes should make their check out to "Vincennes University, Surveying Scholarship Fund" and send them to:

Foundation Office
Vincennes University
Vincennes, Indiana 47591

Those wishing to donate money towards the fund at Purdue should make their checks out to "Purdue University". They should also attach a letter to the check identifying 1) the ISPLS Scholarship Fund and 2) the specific Purdue campus to which they wish their funds be credited. The letter and check should be sent to:

Division of Financial Aids
ATTN: Ann Lyons
Purdue University
West Lafayette, Indiana 47906

These scholarships help some fine students through school and encourage them to become conscientious professionals.

PLEASE GIVE !!

TECUMSEH CHAPTER NEWS

The Tecumseh Chapter of ISPLS has been active over the past year. Meetings in March and September were attended by 15 persons and a May meeting saw 8 attendees. The meetings are generally held at The Oaks restaurant just north of West Lafayette on U.S. 52.

Among the topics of discussion through the year were the possible establishment of a speakers bureau, a booth at the Feast of the Hunter's Moon, work on an EDM Baseline, and the mailing of a letter to the political parties of Tippecanoe County.

The Chapter also formed a committee to assist and make suggestions to the Tippecanoe County Surveyor on the Section Corner Perpetuation Program. Among the suggestions prepared were: 1) update, inventory, and index existing records; 2) concentrate on searching for section corners which do not fall on public roads; 3) prepare a standard format or form which local surveyors could use to turn in section corner information; 4) utilize the Purdue Student Chapter of ISPLS/ACSM in searching for corners; and 5) develop a computer based data bank for section corner and land information.

Tecumseh Chapter made a strong program out of the NSPS Trig Star at six local high schools. Members of the Chapter visited all six Tippecanoe County high schools and sponsored Trig Star competitions at each.

At the September meeting the following persons were nominated to serve as officers next year: President, Wes Crawford; Vice-President Lee Bender; Secretary- Treasurer Steve Murray.

Programs this year included "Survey-Order Processing" and "Foundations of an Information Cadastre for Purdue University".

USPLS BI-CENTENNIAL BUCKLE

The Professional Land Surveyors of Colorado, Inc. is promoting the USPLS Bi-Centennial buckle that a group of Colorado cadastral surveyors is producing privately. The original ordering deadline has been extended to August 31, 1985 because of the interest. To order this attractive solid pewter, serially numbered, limited edition commemorative buckle, send \$10.00 (which includes postage) to:

Jerry Pittman
11486 West Florida Place
Lakewood, Colorado
80226

BUSINESS TRAVEL EXPENSES

Employees who account in full to their employers for company-paid travel expenses do not have to account to the IRS, and the employers do not have to report the payments they made to employees. But what about reimbursements by companies of travel expenses incurred by nonemployees— independent contractors such as lobbyists, press agents, attorneys and the like? Those payments, says the IRS in a new ruling, also need not be reported if the contractor makes a proper accounting to the paying company.

(From U.S. News and World Report)

BUSINESS USE OF VEHICLES

Executives who use their business vehicles for personal use as an untaxed benefit may soon have to do some explaining to the IRS, says Runzheimer & Company. The Tax Reform Act of 1984 has made it more difficult to deduct automobile expenses for business use. It's no longer good enough merely to estimate the amount of personal vs. business use. Instead, an accurate log must be kept of all business miles, plus an accounting of the number of days the car was used for business.

Nearly 40 percent of all companies fail to keep detailed logs on personal use of cars driven on business by their employees. But they will have to do so starting in January, when new tax rules take effect.

(From U.S. News and World Report)

TITLE ABSTRACTORS LIABILITY

Real-estate title abstractors have a liability not only to the party that contracts for their services, but also to third parties who may rely on the abstract in a particular property transaction, says the Florida Supreme Court. It allows a title-insurance company to recover damages it paid because of an abstractor's alleged negligence in failing to discover a recorded judgement against a former owner of the property, and says other third parties, such as lenders and tenants, are similarly covered. Liability, however, does not extend to parties that might use the abstract in a later transaction.

(From U.S. News and World Report)

GREAT LAKES REGIONAL COUNCIL



ISPLS President Jake Hall and President-Elect Bob Bigelow attended the Great Lakes Regional Council Meeting held September 10, 1984 at the ASP-ACSM Fall Convention in San Antonio. The states of Indiana, Michigan, Ohio, Illinois, Wisconsin, Minnesota and Iowa are represented on the Council.

REGISTRATION BOARD ADOPTS RULES CHANGES

The Indiana Registration Board for Engineers and Land Surveyors made several important, far reaching changes in its regulations at its November 16th meeting.

In response to a letter from ISPLS President Jacob Hall, the Board voted unanimously that the following definition of "responsible direction and supervision" be submitted under the general provisions of the Board's regulations:

"The term Responsible Direction and Supervision means direct control and personal supervision of land surveying work."

This definition is recommended by the National Council of Engineering Examiners. The adoption of this definition represents a major step forward from last year when the Board's administrative officer offered the opinion that "there is no litmus test for Responsible Direction and Supervision...." (See pages 10-11, Volume 11, Number 2, Spring 1984, Hoosier Surveyor)

Additionally, the Board unanimously passed a motion to publish a new regulation of the Indiana Board which will state as follows:

"Effective January 1, 1989 the minimum education requirements for Professional Engineer and Land Surveyor applicants be no less than an earned bachelors degree".

In conjunction with this motion, several other resolutions were passed. One rescinded previous Board actions stating that the qualifications for PE and LS applicants without a degree be 12 years of practical work experience. Another motion was passed to make a proposal to amend the current Board Rule #2 by supplementing the education/experience guidance table used in the 1971 Registration act book.

Finally, it was unanimously approved to publish into state law the latter resolution regarding the usage of the education/experience table.

These actions were taken during a personal appearance by Deputy Indiana Attorney General Fred Bremer.

(Source: Minutes of the Board, November 16, 1984)

LIETZ INTRODUCES NEW HANDBOOK

The Lietz Company has introduced its 1985 Celestial Observation Handbook and Ephemeris. The pocket-size book contains sections on the basics of surveying astronomy, recommended procedures for observations on the Sun and Polaris, sample field notes and calculations and the use of other stars for azimuth determinations. Single copies of the booklet may be obtained from any Lietz Authorized Distributor for \$5.00.

1985 ACSM-ASP FALL CONVENTION

RACING INTO TOMORROW

CALL FOR PAPERS

The 1985 ACSM-ASP Fall Convention will be held in Indianapolis, Indiana. The program committee cordially invites proposals for papers to be presented during the meeting. Please submit proposals as soon as possible to aid the planning process and assure selected speakers an early commitment.

TOPIC AREAS

- Cartography
- Land Surveys
- Control Surveys
- Education
- Automated Cartography
- Remote Sensing
- Primary Data Acquisition
- Digital Processing and Photogrammetric Applications
- Professional Practice

PROPOSAL MUST INCLUDE:

- Title
- Author's name, address, telephone number, professional affiliation and position
- Abstract (not to exceed 200 words)
- Appropriate division for presentation

ADDITIONAL DETAILS

- Proposals must be received no later than **February 1, 1985**
- Presentation will be limited to 20 minutes
- Final paper requirements will be provided upon selection notification
- Papers must be received by **June 1, 1985**

Convention Director
Gary R. Kent

Exhibit Director
Daniel Pusey

Program Director
Jerry Carter

MAIL PROPOSALS TO:

ACSM

ASSISTANT DEPUTY DIRECTOR
FOR ACSM PROGRAM
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Charlotte, MI 48813
517-543-2191 (h)
517-373-3237

ASP

ASSISTANT DEPUTY DIRECTOR
FOR ASP PROGRAM
DR. PAUL W. MAUSEL
Dept. of Geography/Geology
Indiana State University
Terre Haute, IN 47809
812-232-6311 (o)

HYATT REGENCY

September 8-13, 1985

200TH ANNIVERSARY SYMPOSIUM

THE LAND ORDINANCE OF 1785

The Land Ordinance of 1785 established the rectangular Public Lands Surveying System (PLSS). The Bureau of Land Management (BLM), Department of the Interior, as the statutorily designated surveying agency for the public lands and other Federal lands is coordinating a national commemoration.

With tentative co-sponsorship of the American Congress on Surveying and Mapping, (ACSM), the Civil Engineering School of Purdue University and the Indiana Society of Professional Surveyors, BLM is planning an historical symposium September 10-11, 1985 in conjunction with the Fall Meeting of the ACSM in Indianapolis IN.

BLM and other co-sponsors will consider papers under the following General Headings: (1) Federal Land Policy and the Genesis of the Land Ordinance of 1785; (2) Public Land Surveying 1785-1820; (3) The Management of Public Land Surveying; and (4) Special Topics

Specific topics include: The Western Lands and the National Interest 1776-1784; New England Settlement and Surveying; Southern Settlement and Surveying; Compromise Ordinance; Southern Settlement and New England Surveying;

Establishing the Point of Beginning; Ohio: the Crucible; Maturity in Indiana;

The Office of Surveyor-General; Contract Surveyors; Federal Surveyors; Impact of the Public Land Surveying on Real Property Law; The Army Standing Guard 1785-1787; Public Lands Surveying; The First Natural Resource Inventory; Surveying Fraud; Public Land Surveying in Alaska; Export of Public Land Surveying; Public Land Surveying and High Tech.

Suggested additions or substitutions welcome. Presentations will be scheduled from 30-45 minutes. Papers will be published in the Proceedings if paper furnished in ACSM format by June 1, 1985. (One day of the registration fee is waived for authors on day of their presentations which will make a copy of Proceedings available at registration.)

Schedule:

A 500-word abstract and resume before.....**February 1, 1985***

Acceptance by.....**March 1, 1985**

Guidance for final text furnished upon acceptance.

Final Text (for publication in Proceedings).....**June 1, 1985**

For more information or suggestions contact Dr. Jerry A. O'Callaghan, Bureau of Land Management (720), Washington D.C. 20240 Phone: 202-653-2496.

*Include Author, Title, Affiliation, Address, Office and Home Phone

HIGHLIGHTS OF BOARD OF DIRECTORS MEETING

August 18, 1984: ISPLS Headquarters, Indianapolis

Attending: Jake Hall, Larry Manning, Gary Kent,
Pat Cunningham, Lee Bender,
Rollyn Blankenbeker, Bob Bigelow

Not Attending: Jud Rouch, John McNamara,
Don Bengel, Ray Tappan, Carl Anderson

Also Attending: Dan Pusey

- A finance report by President Hall showed total society cash assets of nearly \$39,000 as of August 17, 1984. Membership dues have been paid much more rapidly this year than in the past.
- The ISPLS share of profits from the 1984 Tri-State Convention will be approximately \$6,000.
- The 1987 ISPLS Convention will be at Purdue University in West Lafayette.
- 59 persons attended the Summer Picnic held on July 28th near Noblesville.
- The consensus of the Board is to exempt surveyors employed by the Indiana DOT from the proposed Continuing Education Legislation. Representative Klinker has once again agreed to sponsor the bill.
- The consensus of the Board is to try to get a senator and representative to submit legislation for a requirement of a four-year college degree in order to qualify for the LS Exam. The consensus of the Board is that this requirement should become effective ten years after enactment of the legislation.
- Membership Committee Chair Joe Blevins is currently working on the publication of a new membership roster.
- The LS Exam Committee is performing the task of writing and grading the exam not as a committee of ISPLS, but as individuals. There is no contract with the State at this time. The Committee has indicated that it may discontinue this work unless the contractual details can be worked out.
- A motion was made, seconded and carried directing that the resolution asking for a newsletter from the Registration Board be sent to said Board.

CALENDAR

January 16-18, 1985	ISPLS Annual Covention, South Bend
March 10-15, 1985	ACSM-ASP Annual Convention, Wash., D.C.
September 8-13, 1985	ACSM-ASP Fall Convention, Indianapolis
January 15-18, 1986	ISPLS Annual Convention, Evansville

ANNOUNCEMENTS

We are happy to welcome Hickerson Instrument Company back as a sustaining member of ISPLS.

Former ISPLS President Jud Rouch has taken the position of Coordinator of Associate Degree Land Surveying Program at the University of Arkansas at Little Rock. We thank Jud for his work for the Society over the past few years and wish him luck.

IUPUI Professor David Wahlstrom has taken a new position at a university in Texas. We appreciate his work for ISPLS and wish him well.

Patrick Cunningham was elected President-Elect of ISPLS in the recent election. He will succeed to the Presidency in 1986 following Bob Bigelow's tenure.

The ISPLS Fall Workshop on survey measurement analysis saw 26 persons in attendance. Reports are that it was an excellent program. The workshop was held in Indianapolis on November 9-10.

ACSM "Field Notes" reports that the Federal Housing Administration's HUD/FHA Form 2457 will be reviewed and revised in early 1985. A HUD official has acknowledged that the form does not provide the information needed by the agency, is not consistent with many state laws and contains a certification which may result in serious liability exposure to the signator.

"Field Notes" also reports that the Federal Emergency Management Agency's National Flood Insurance Program flood elevation certification falls in the same category. An ad hoc committee of trade associations and professional societies involved in the program has been formed to provide input in every aspect of the flood program. ACSM or ASP members with information on problems with any aspect of the program are encouraged to contact the ACSM member of the committee Rodger Phelps (Sulfur, Louisiana 318/525-8353) or the ASP member Richard Crouse (Gaithersburg, Maryland 301/948-8550).

The Bureau of Land Management, Purdue University, and ISPLS will be co-sponsoring a symposium on the 200th anniversary of the creation of the U.S. Public Land Survey System. The symposium will be conjunction with the ACSM-ASP Fall Convention in Indianapolis the week of September 8, 1985. Look for a Call for Papers for this important program elsewhere in this issue.

Additionally, the National Aeronautics and Space Administration and the American Society of Photogrammetry will be co-sponsoring the final Landsat Image Data Quality Analyses (LIDQA) Symposium at the Fall '85 Convention.

Jud Rouch would like to thank the following companies on behalf of Purdue University for their assistance in bringing the Transit Satellite surveying system demonstration to Purdue: Morley & Associates, Inc.; Mid-States Engineering Co., Inc.; Vester & Associates, Inc.; United Consulting Engineers, Inc.; and Schneider Engineering Corp.

LEGISLATIVE UPDATE

The Consulting Engineers of Indiana is planning on introducing a bill in the Indiana Legislature which will reduce the statute of limitations for engineers and architects. According to the CEI, twenty-one states have statutory periods of between four and eight years. Indiana's current law provides for ten years from the "date of substantial completion." The proposed legislation would tighten-up the definition of "date of substantial completion" and would also reduce the number of years of the statute from ten to seven years under some circumstances and ten to five years under others. The CEI claims that the current statute creates a large burden on the design professional both legally and because of insurance premiums.

The Consulting Engineers will also be introducing a Mini-Brooks Bill which would require state and local government agencies in Indiana to select engineers, architects and surveyors based on qualifications with fees to be negotiated later. Such legislation would put Indiana in line with the federal Brooks Bill which requires the same selection procedure.

ISPLS SURVEYING LIBRARY

ISPLS Policy on Check-out of Library Books

1. Members are encouraged to use the library by visiting the ISPLS state office, in person, during regular office hours.
(M-Th, Noon-4:30pm & F, 8am-4:30pm)
2. Only ISPLS members in good standing are eligible to check-out library books for their own personal use.
3. Check-out time will be limited to four weeks, with only one extension of time and subject to requests from other members. No user shall have more than three books checked out at any one time.
4. Each check-out must be made in person or by letter request. Check-out in person requires no fee. Check-out by mail requires a *prepayment* of a standard fee of \$2.00 per book (which will pay for postage and handling). No phone orders will be accepted. When items are being returned by mail, they are to be sent by USPS or UPS and insured for \$50.00.
5. There shall be no defacing of loaned books, especially any marking or highlighting. Each item will be inspected on return for any damage and then a decision will be made on any assessment of the cost of a replacement copy.

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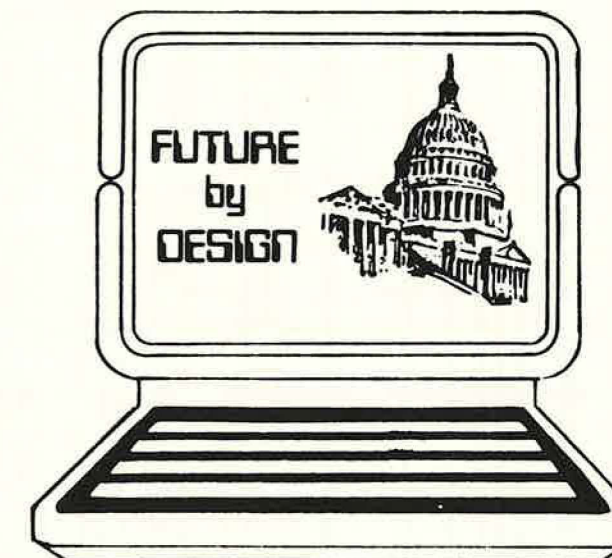
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COFPAES

13th ANNUAL FEDERAL PROGRAMS CONFERENCE

The COFPAES Federal Programs Conference promises to be the most important meeting of the year for architecture, engineering, surveying and mapping firms with an eye on the Federal Government as a client. Whether your firm is a seasoned veteran at federal contracting, or just breaking into design work for Uncle Sam, the information you'll need to be ahead of the competition will be offered nowhere else but the COFPAES conference.

The annual COFPAES Federal Programs Conference is the only session focusing exclusively on budgets and issues related to federal procurement of A/E services. It's your only opportunity to learn first hand what your firm needs to know about marketing A/E services to the Federal Government. Find out what impact the election will have on the Nation's largest A/E client. Reserve your place today.



Agency Budgets: Where Design Dollars Will Be Spent

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General Services Administration
Postal Service
NASA

Environmental Protection Agency
Veterans Administration
Transportation
Interior

Issues In Federal Procurement

A-76
Small Business Set Asides
Federal Acquisition Regulations (FAR)

Marketing To The Feds

The Short List
254/255 Preparation
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MARCH 25-27, 1985
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Committee on Federal Procurement of Architectural/Engineering Services
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Enclosed is my registration fee of \$250, made payable to "ACSM/COFPAES".

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Firm _____

Address _____

City _____ State _____ Zip _____

Mail To: COFPAES, c/o ACSM, 210 Little Falls St., Falls Church, VA 22046.

Registration fee includes all program sessions, receptions, meals and materials. For hotel reservations, call the Loews L'Enfant Plaza directly at (202) 484-1000. Mention COFPAES for special rates.

APPLICATION INSTRUCTIONS

*Please refer to NOTE at bottom of this page.

General

This is an application for concurrent memberships in the American Congress on Surveying and Mapping (ACSM) and a Member Organization. The Member Organizations of ACSM are as follows:

American Association for Geodetic Surveying (AAGS)
American Cartographic Association (ACA)
National Society of Professional Surveyors (NSPS)

How To Apply

1. Determine the highest grade of membership for which you are qualified (see back cover).
2. Determine which Member Organization you wish to join (in addition to ACSM).
3. Complete the Application for Membership.
4. Return the completed application to: ACSM
210 Little Falls Street
Falls Church, Virginia 22046
5. Enclose the appropriate payment for dues with the application. Make check or money order payable to ACSM. (For applicants in foreign countries, please draw and remit in U.S. dollars payable at a bank in the United States.)

Dues

	1984	
Member	AAGS \$65 (\$10)	NSPS \$70 (\$15)
Associate	\$50 (\$10)	\$45 (\$5)
Student	\$20	\$20

Membership dues include annual subscriptions to SURVEYING AND MAPPING \$5.00, ACSM BULLETIN \$8.00, THE AMERICAN CARTOGRAPHER \$4.00, and ACSM NEWS \$3.00. These subscriptions are part of your membership benefits and cannot be deducted from your annual dues.

The amounts in parentheses (if any) are the portion of total dues allocated to the Member Organization. If you choose and are qualified to be a member of more than one Member Organization, add the amounts in parentheses for each additional organization. For example, if you become a Member of NSPS only, your total dues are \$70. If you become a Member of both NSPS and AAGS, your total dues are \$80. *Please see NOTE at bottom of

Actions By ACSM

Your application will be processed upon receipt by ACSM. Within about three weeks you will receive a welcoming letter, a decal, and a membership card. You will start receiving all publications in about six weeks. You will also receive any past publications issued during the current year prior to your becoming a member.

NOTE: IF YOU ARE TAKING ADVANTAGE OF THE SPECIAL 6-MONTH INTRODUCTORY MEMBERSHIP OFFER, please remit only half the amount of dues shown in the Dues Schedule box. The Introductory Offer expires September 30, 1984.

APPLICATION FOR MEMBERSHIP

Criteria for membership in Member Organizations of ACSM

American Association for Geodetic Surveying (AAGS)
American Cartographic Association (ACA)
National Society of Professional Surveyors (NSPS)

Member

Any person who has attained the required qualifications in surveying, mapping and related fields as specified below:

AAGS Bachelor's or higher degree in a discipline related to geodetic surveying, or professional grade competence in a discipline related to geodetic surveying with eight years experience. Up to four years of relevant education may be substituted for experience.

ACA Bachelor's or higher degree in a field of study which would qualify the person for a professional position in cartography or related fields, or four years of active professional experience in cartography or related fields.

NSPS a) Any person licensed to practice the profession of surveying, according to state or provincial statutes; or
b) a GS-1373 employee classified as a Land Surveyor or Supervisory Land Surveyor; or
c) an academician holding a Bachelor's or higher degree and the rank of assistant professor or higher and teaching in an ABET or CAB accredited or a state land surveying registration board approved surveying program; or
d) a practicing surveyor or surveying teacher who has attained a minimum of six years experience in responsible charge of surveying activities or four years of education and two years of experience may submit credentials for consideration.

Associate Member

Any person with an interest in surveying, mapping and related fields, not eligible to be a Member as defined above but meeting the criteria stated below:

AAGS/ACA any person with an interest in geodetic surveying/cartography who is not eligible to be a Member.

NSPS any person who by employment is actively engaged in a program leading to a career in the profession of surveying.

Student Member

Any person pursuing a course of study as a graduate or undergraduate student on a full-time basis (as defined by the academic institution) leading to a career in geodetic surveying (AAGS), cartography (ACA), or surveying (NSPS).

APPLICATION FOR MEMBERSHIP

Name: _____
(Mr., Mrs., etc.) (first) (middle initial) (last)

Address: _____
(street and number) _____
(city) _____ (state) _____ (zip or country) _____

Education: (years completed) High School _____ College _____ Highest Degree _____

Experience: (years) Professional _____ Pre-Professional _____ Technical _____ Date of birth: _____

Occupation: _____

☐ Private Business: _____
(if licensed, give type, state and number)

☐ Government: _____
(position classification)

☐ Education: _____
(position title)

☐ Other (specify): _____

If in Government, Education or Other, but also licensed, give type, state and number: _____

Read criteria on the reverse side, then check membership applied for:

(check only one) (you may check more than one, but see instructions)

☐ Member ☐ American Association for Geodetic Surveying

☐ Associate ☐ American Cartographic Association

☐ Student* ☐ National Society of Professional Surveyors

* Applications for Student membership should have the following certificate completed:
I certify the applicant is a full-time student.

Faculty Member Signature _____ Date _____ Educational Institution _____






Date _____ Signature of Applicant _____

1983 - 1984 SUSTAINING MEMBERS

Accu-Air Surveys, Inc. Marbaugh Engineering Schonstedt Instrument Company Hickerson Instrument Company
P.O. Box 63 Supply Co., Inc. 1775 Wiehle Avenue 6011 E. 34th Street
1220 "A" Avenue 121 W. North St. Reston, Virginia Indianapolis, Indiana
Freeman Field Indianapolis, Indiana 22090 46218
Seymour, Indiana 47274 46204
812/522-2300

Harrison Marker and G. Lengemann Company SURV - Kap Kara Co., Inc.
Instrument Company 2314 N. 5th Street A Division of Allied 4400 Riverside Ave.
Box 588 P.O. Box 496 Manufacturing Co., Inc. Lyons, Illinois 60534
Anoka, Minnesota 55303 Niles, Michigan 49120 P.O. Box 27367
612/421-1445 Tucson, Arizona 85726

1983 - 1984 Firm Members

 ORDELL L. GERTSMEIER Reg. Pro. Eng., Ind. 9511 Ind. Pro. Land Surv., 9970 PELLER - TANCK - GERTSMEIER - REINERT, INC. 158 NAPOLEON VALPARAISO, IND. 46383 219/462-1158 HOBART, IND. 219/942-0060	 James E. Dankert, PE, L.S. Partner 7172 Graham Road/Indianapolis, Indiana 46250/(317) 842-6777 Land Development Engineers (Land Surveyors Architects, Planners)	THIS SPACE AVAILABLE TO NEW FIRM MEMBERS
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Mid-States Engineering Co., Inc. 107 N. Pennsylvania Ave., Suite 703 Indianapolis, Indiana 46204 317/634-6235	Paul Primavera & Associates P.O. Box 123 Corydon, Indiana 47112 812/738-4540	ALAN STANLEY & ASSOCIATES, INC. ENGINEERING AND SURVEYING 1548 S. INDIANA STREET GREENCASTLE, INDIANA 46035 ALAN STANLEY PRESIDENT
Brady Land Surveying 55308 Jay Dee Street Elkhart, Indiana 46514 219/293-3611	Reid, Quebe, Allison, Wilcox 3901 Industrial Blvd. Indianapolis, Indiana 46254 317/293-7272	WILLIAM S. TANKE IND. REGISTERED LAND SURVEYOR NO. 8570 LAND SURVEYS, SUBDIVISIONS 14 WASHINGTON STREET OFFICE 219 464-2838 RES 219 482-3842 VALPARAISO, INDIANA 46383
columbus surveying & engineering ORWIC A. JOHNSON, PE-L.S. p.o. box 1171, columbus, indiana 47201 ph (812) 372-0996	 United Consulting Engineers, Inc. 5332 N. Temple / Indianapolis, Ind. 46220 JACOB E. HALL Professional Engineer Land Surveyor Bus. (317) 253-1533 Res. (317) 356-1163	VESTER & ASSOCIATES, INC. SURVEYING & SUBDIVISION DESIGN PATRICK N. CUNNINGHAM, R.L.S. PRESIDENT TELEPHONE (317) 742-6479 128 NORTH 3RD STREET LAFAYETTE INDIANA 47901

ISPLS 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 \$90.00
☐ JUNIOR \$50.00
☐ ASSOCIATE \$50.00
☐ STUDENT \$10.00

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.

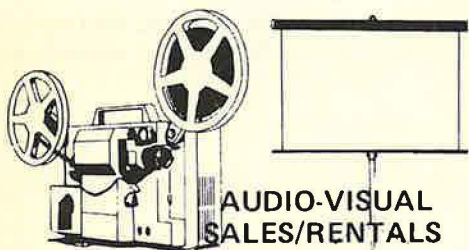
Associate: An Associate Membership will be granted to anyone who is associated or affiliated with the Land Surveying profession but is not otherwise pursuing registration or any non-resident who is registered and in good standing as a Land Surveyor. An Associate Member is not entitled to vote or hold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

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

THE HOOSIER SURVEYOR

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

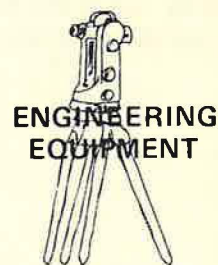
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Permit No. 4056



AUDIO-VISUAL
SALES/RENTALS



DRAFTING
SUPPLIES AND
EQUIPMENT



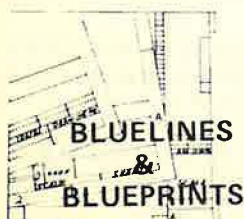
ENGINEERING
EQUIPMENT

MARBAUGH ENGINEERING SUPPLY CO., INC.

121 West North Street, Indianapolis, Indiana 46204

Phone: 632-4322

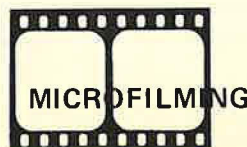
MARBAUGH... A NAME YOU CAN DEPEND ON.



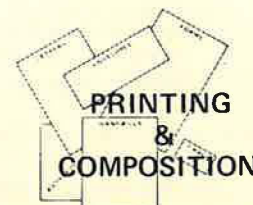
BLUELINES
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