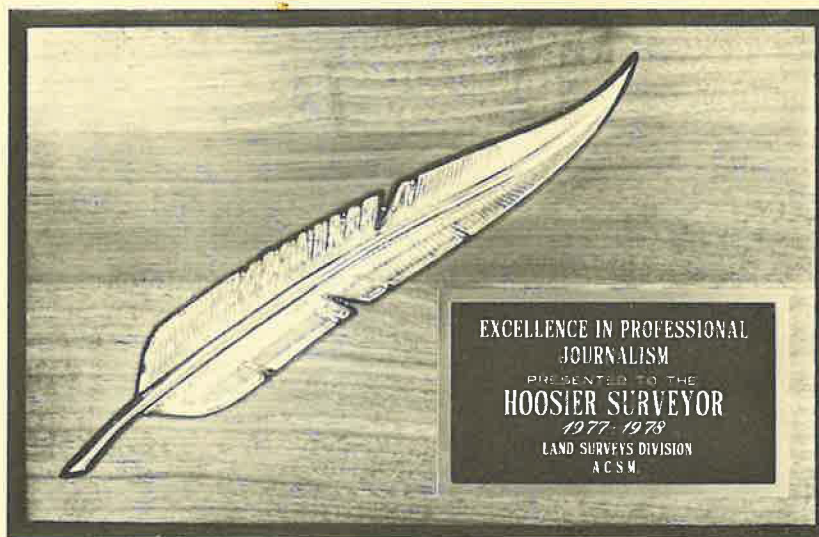
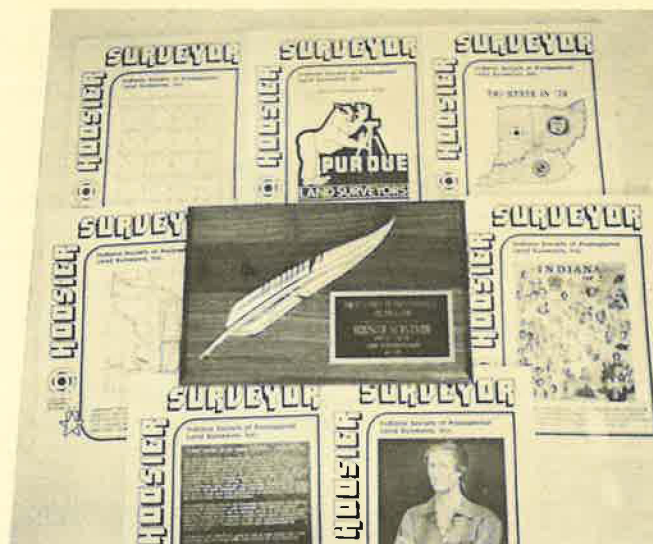


SURVEYOR

HOOSIER

Indiana Society of Professional Land Surveyors, Inc.

Affiliated with the American Congress on Surveying and Mapping



VOLUME 5
NUMBER 1
WINTER 1978



- NEW 1978 OFFICERS, DIRECTORS, AND BUDGET
- TRI-STATE CONVENTION REPORT • ACSM ANNUAL MEETING IN WASHINGTON • NEWSLETTER JOURNALISM AWARD
- McENTYRE L.S.D. CHAIRMAN • SURFACE MINING ACT

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HOOSIER SURVEYOR

VOLUME 5, NO. 1, WINTER 1978

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COVER: At the 1978 Annual Convention of the American Congress on Surveying and Mapping in Washington, D.C. in early March, the "Excellence in Professional Journalism" award of the Land Surveys Division was presented to the HOOSIER SURVEYOR.

EDITOR'S NOTE:

Deadlines for copy for various planned issues of the HOOSIER SURVEYOR are as follows:
Winter issue - January 31
Spring issue - April 30
Summer issue - July 31
Fall issue - October 31

The HOOSIER SURVEYOR is reproduced by the Printing Department of Marbaugh Engineering Supply Co., Inc., Indianapolis, Indiana.

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Editorial/Advertising offices: 3919 Meadows Drive, Suite 103, Indianapolis, IN 46205 (Telephone: 317/545-8907). Advertising rates, closing dates, circulation data on request. Contributed articles, photographs subject to space limitations.

Kenneth S. Curtis
Editor

THE PRESIDENT'S PAGE

SURVEYORS ARE CURIOUS
By Roger Woodfill

"Surveyors are a curious group" is how a free-lance writer, Mike Agin, started his news story about the recent "Tri-State in '78" land surveyors convention. And I think Mike is a friend of this surveyor. We shared the same office building for several years when he edited the Indiana page for the major Cincinnati daily. So Mike knew that I was peculiar, but until he covered the convention, he did not realize that the profession is curious, too.

Curious means strange or novel, if you please, "odd". Let us face it, we are different. Who else but a surveyor would try to blend distances measured with electronic equipment to those measured with a chain or steel tape? Or what other profession needs to know varied subjects like tree identification, mosquito repellents, management of people, and computer programming? Can a normal person decipher metes and bounds descriptions, or locate centerlines of old roads and streams? We are odd, but the difference makes land surveying a profession for the individualist.

Being curious is not bad; being curious implies an eager desire to learn. In fact, that was the definition Mike intended. He was impressed by the sincere exchange of information. The serious questions and the serious answers were unlike the social dialogue that dominates most conventions. When questions were asked, it was clear that the intention of the question was to gain knowledge. And the answers were direct with the intention of helping one another. Roaming through the crowd, Mike heard questions about office practices, E.D.M., client relations, field problems and computers. He did not understand all the questions or all the answers, but he was sure that surveyors are inquisitive.

The third definition of curious that applies to the land surveying profession, is abstruse or hard to understand. It is rare that an attorney, realtor, or subdivider understands our problems. We are not understood by our clients or the general public. Accountants do not understand how (or why) we stay in business. Motorists



Roger Woodfill
President

do not understand digging holes in the roadway, or why we are standing in the road in the first place. Scientists think surveying is an art, but artists think it's a science.

Yes indeed, Mike was right, surveyors are "curious". This year let us accentuate the positive of the word-the desire to investigate and learn. We eliminate the negative abtruseness with a public relations effort. The Indiana Society of Professional Land Surveyor's Inc. is dedicated to these two goals-won't you help!



DATES TO REMEMBER

- April 29-30, 1978 This Land of Ours . . . A Bicentennial Symposium . . . The Acquisition and Disposition of the Public Domain. Purdue University, West Lafayette, Indiana.
- May 12-13, 1978 ISPLS Spring Seminar featuring Gurdon Wattles of California. Abe Martin Lodge in Brown Cour State Park near Nashville, Indiana.
- June 26-July 15, 1978 ISPLS Summer Traveling Workshop to ten Indiana cities featuring John McEntyre and Ken Curtis of Purdue University. Details available from state ISPLS headquarters.
- October 16-20, 1978 Fall Convention of American Congress on Surveying and Mapping, Albuquerque, New Mexico.



1978 ISPLS board of directors, front row, left to right, David Wolf, Charles Budnick, Roger Woodfill, Orwic Johnson; second row, Byron Brady, Brad DeReamer, Kenneth Curtis, John Schneider, Gene O'Brien, Ordell Gertsmeier, and Ray Tappan.

Supplementary "ARTICLES OF AFFILIATION" between the AMERICAN CONGRESS ON SURVEYING AND MAPPING (ACSM) and the

INDIANA SOCIETY OF PROFESSIONAL LAND SURVEYORS, INC.

PURPOSE:

To affiliate in mutually objective interest with the American Congress on Surveying and Mapping to advance the sciences of surveying and mapping in their several branches, in furtherance of the public welfare and in the interest of both those who use maps and surveys and those who make them: and

To recognize ACSM as spokesman and the central source of reference for its members in all such matters of national significance: and

To establish channels of communication between the individual affiliate member-societies and the ACSM for the exchange of information on laws, education, professional practices, fees or any other concern of the surveying and mapping profession.

RESPONSIBILITIES OF ACSM:

To advance the sciences of surveying and mapping in their several branches, in furtherance of the public welfare and in the interest of both those who use maps and surveys and those who make them, and to establish a central source of reference for its members.

To contribute to public education in the use of surveys, maps and charts and to encourage the prosecution of basic surveying, mapping and charting programs.

To encourage improvement of college curriculums for the teaching of all branches of surveying and mapping both in the technological sciences and the professional philosophies.

To publish a journal that will represent the professional, technical and general interest activities of surveying and mapping.

To hold national conventions that disseminate knowledge and afford the manufacturers an opportunity to display equipment and supplies which would not be economical at the local level.

To provide opportunities at each national meeting for Affiliate officers or delegated representatives to meet and discuss mutual problems with ACSM officers.

To honor the leaders of Surveying and Mapping.

To aid the Affiliates improve the technical level of their meetings and to recommend or furnish technical experts to address their meetings or panelists for critique purposes.

To give prompt attention to all problems reported by the Affiliate.

To report or announce the Annual Meetings or Conventions of the Affiliate in the ACSM Journal when submitted to the Editor.

RESPONSIBILITIES OF THE AFFILIATE:

To support the programs of ACSM on a local level.

To display the fact of ACSM affiliation on all stationery and other appropriate mediums.

To strive for Officer participation at all national meetings.

To conduct an active membership campaign at least once a year on behalf of ACSM.

To appoint or elect an ACSM membership chairman and have membership forms available at local meetings and conventions.

To establish communication with the Executive Secretary of ACSM to report the Affiliate's position on all issues, programs and problems.

To contribute articles, opinions, and papers for publication in the Journal.

To respond to requests or questionnaires of ACSM or its Divisions in a timely manner.

To submit an updated list of names and addresses of all members of the Affiliate not later than February 1 of each year.

To furnish the Executive Secretary of ACSM within 30 days after each annual election the names and addresses of the Affiliate's new officers.

TERM OF AFFILIATION:

The term of this affiliation shall be at the discretion of either party involved.

The Executive Secretary of ACSM shall review the Affiliate's membership list submitted annually to determine the eligibility for continued affiliation. If the Affiliate does not have 25 members or 10% of its membership as members of ACSM, or if the Affiliate does not meet its responsibilities as set forth in this agreement the ACSM Board of Direction shall determine if the Affiliation shall be continued. A 75% vote of the Board of Direction shall be required to cancel the affiliation.

President ACSM/Date

President-Affiliate/Date

Secretary ACSM/Date

Secretary-Affiliate/Date

INDIANA SOCIETY OF PROFESSIONAL LAND SURVEYORS, INC.

ADOPTED 1978 BUDGET

INCOME		BUDGET
I-10	Regular Members	\$11,500.00
I-11	Associate Members	650.00
I-12	Junior Members	1,400.00
I-13	Student Members	150.00
I-20	Hoosier Surveyor	1,000.00
I-30	Annual Conference	8,500.00
I-31	Manuals	2,000.00
I-32	Workshops	5,000.00
I-33	Firm Memberships	2,300.00
I-34	Sustaining Members	900.00
I-40	Interest	600.00
TOTAL INCOME		\$34,000.00

EXPENSES

P-40	Accounting Service	\$250.00
S-10	Office Expense "ISPE"	4,500.00
S-20	Telephone	1,000.00
S-30	Office Supplies	700.00
S-40	Postage	1,500.00
S-50	Secretarial (Part-time)	500.00
S-60	Sales Tax	80.00
		\$8,530.00

G-10	Hoosier Surveyor	\$4,000.00
G-30	President's Contingency	200.00
G-50	ACSM Delegate	1,000.00
G-60	ACSM Committee	500.00
G-70	Travel, PR, Legislative	2,500.00
G-90	Insurance	300.00
G-110	Annual Conference	6,500.00
G-111	Workshops	4,000.00
G-112	Manuals	2,000.00
		\$21,000.00

C-60	Awards	100.00
C-80	Committee Expenses	300.00
C-81	Membership Development	1,000.00
C-82	Scholarship Fund	1,040.00
C-83	Safety Deposit Box	10.00
C-84	Newsletter Editor	1,000.00
C-85	Accumulative Fund "A"	100.00
MS-10	Misc. State Expense	920.00
		\$4,470.00

TOTAL EXPENSES	\$34,000.00
----------------	-------------

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What kind of person would walk to work because he forgets he has a car in the garage? The proverbial absent-minded professor might, but certainly not the average American. Most people can't get through the day without a set of wheels.

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The Society has approved I. C. System, Inc., as a collection service to collect dollars -- not dust. And the company won't let you walk to work! They do everything possible to make sure you get the most out of your investment. Members who enroll get information telling how to use the service for best results. Every sixty days they get up-to-date reports on each account they've submitted. Those who fail to use the service get special letters reminding them that I. C. is ready and anxious to handle their delinquent accounts.

Besides all that, I. C. System makes it easy for members to contact them. They have a toll-free WATS numbers that puts you in direct contact with the company's National Information Center whenever a question arises. There, a specially trained staff of customer service people have information on every account in service at their fingertips. What's more, they listen to you because you are the one in control. You make all decisions regarding partial payments, adjustments or forgiving a debt entirely.

I. C. System is the kind of collection service you can't afford to neglect. Last year they collected an all time record of \$22.6 million for the members of close to 1,000 business and professional associations all across the United States. To learn more about what they can do for you, contact the Society office today.

LAND SURVEYORS ARE ENCOURAGED TO WRITE TO
THEIR SENATORS AND REPRESENTATIVES
ABOUT THE MINING ACT

SENATE

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363 Russell Senate Office Building
Washington, D.C. 20510
(Telephone — 1-202-224-5623)
(Telephone — toll free 1-800-382-HELP)

SEN. RICHARD LUGAR (R)
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Public Law 95-87, "Surface Mining Control and Reclamation Act of 1977"

To: Officers of ACSM Sections and Affiliates
From: John G. McEntyre, Chairman LSD, ACSM
Date: March 13, 1978

Public Law 95-87, signed by President Carter on August 3, 1977, reserves to the professional engineer (or geologist) functions which some state laws have authorized for accomplishment by land surveyors.

This situation was brought to the attention of ACSM. The Board of the Congress passed a resolution requesting amendments to sections of this act. A copy of the adopted resolution is enclosed. It will be noted that the effect of the amendment for the various sections is to change the required direction and supervision from a professional engineer to "Those professionals registered, tested, and licensed to perform such services in the state or states where the permit is being applied." In other words the state rather than the federal government is establishing the appropriate regulations. If the act remains as passed registered land surveyors who were qualified to supervise and certify many classes of work in their individual states will be disqualified by a federal law.

I request that you urge your membership to contact their congressman urging that this act be amended as set forth in the resolution. It would undoubtedly be effective to publicize this situation in your newsletter. We must continually be alert to such situations and actively pursue corrective action; better yet we should prevent such laws from being passed. In this instance however we must campaign for corrective action.

ACSM Headquarters is active in Washington, D.C. to correct this situation. Your support at the local level is required for success in this effort.

RESOLUTION ON MINING AND RECLAMATION

(Adopted by Board of Directors of American Congress on Surveying and Mapping on March 3, 1978)

Whereas, Public Law 95-87, Cited as the "Surface Mining Control and Reclamation Act of 1977," was signed by President Carter on August 3, 1977; and

Whereas, the act reserves to the professional engineer (or geologist) functions which some state laws have authorized for accomplishment by land surveyors; and

Whereas, the land surveyors with assistance from experts in related fields such as engineering and geology are considered as qualified professionals in preparing surface mining and reclamation maps and plans;

Therefore Be It Resolved That Public Law 95-87 ENACTED August 3, 1977 (91 Stat. 445) Be Amended As Follows:

SECTION 507 (b)(14): Cross-section maps or plans of the land to be affected including the actual area to be mined, prepared by or under the direction of and Certified by THOSE PROFESSIONALS REGISTERED, TESTED, AND LICENSED TO PERFORM SUCH SERVICES IN THE STATE OR STATES WHERE THE PERMIT IS BEING APPLIED,

SECTION 515 (b)(10)(B)(ii) Constructing any siltation structures pursuant to Sub-paragraph (B) (i) of this subsection prior to commencement of Surface Coal mining operations, such structures to be certified by THOSE PROFESSIONALS REGISTERED, TESTED, AND LICENSED TO PERFORM SUCH SERVICES IN THE STATE OR STATES WHERE THE PERMIT IS BEING APPLIED to be constructed as designed and as approved in the reclamation plan;

SECTION 515 (b)(22)(H): Design of the spoil disposal area is certified by THOSE PROFESSIONALS REGISTERED, TESTED AND LICENSED TO PERFORM SUCH SERVICES IN THE STATE OR STATES WHERE THE PERMIT IS BEING APPLIED in conformance with professional standards; and . . .

SECTION 515 (c)(3)(B)(VII): Designed by THOSE PROFESSIONALS REGISTERED, TESTED, AND LICENSED TO PERFORM SUCH SERVICES IN THE STATE OR STATES WHERE THE PERMIT IS BEING APPLIED in conformance with professional standards established to assure the stability, drainage, and configuration necessary for the intended use of the site;

SECTION 515 (e)(3)(B): Is designed and Certified by THOSE PROFESSIONALS REGISTERED, TESTED, AND LICENSED TO PERFORM SUCH SERVICES IN THE STATE OR STATES WHERE THE PERMIT IS BEING APPLIED in conformance with professional standards established to assure the stability, drainage, and configuration necessary for the intended use of the site; and . . .

*Words deleted refer to engineers. Words to be added are in CAPS (THOSE PROFESSIONALS).

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The following are sustaining members of the Indiana Society of Professional Land Surveyors. The Society appreciates their continued participation and encourages your support of these firms.

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DELEGATE REPORT 1978 ACSM SPRING CONVENTION WASHINGTON, D.C. by Byron M. Brady 1978 Delegate from ISPLS

This being the first general membership meeting of the LSD operating under its new by-laws, there was some confusion in the beginning. It was pointed out that any member of a Participating Organization of LSD is eligible to vote, present motions from the floor and in all ways participate in the meeting. The reason for designating a delegate from each Participating Organization is for the flow of information and communications between the State and National levels.

- I. Secretary Lew Boyd reported on reponse (to date) to the invitation from Robt. L. Carperter, Chairman of COSA (under old by-laws) to all ACSM Sections and Affiliates to become a LSD Participating Organization and take part in the affairs of LSD:

29 Affiliate Societies (including Indiana) responded affirmatively (62%)
0 Affiliate Societies responded negatively
7 Sections responded affirmatively (33%)
0 Sections responded negatively

Mr. Boyd said that a second invitation would be mailed to those who have not responded with follow-up telephone calls until all former Sections and Affiliates have responded.

- II. Ed Brownell, Immediate past Chairman of LSD installed the following new officers:

John G. McEntyre, Chairman School of Civil Engineering Purdue University West Lafayette, Indiana 47907 (317) 494-1486	James G. Donahue, Vice-Chairman 20 South Second Street Geneva, Illinois 60134
Lewis C. Boyd, Secretary-Treasurer P.O. Box 129 Newton, Kansas 67114 (316) 283-7232	
AREA DIRECTORS:	
Area 1 Director George F. Butts (1979) Chittenden, VT 05737	Area 2 Director Jack M. Hill (1980) McGaughy, Marshall & McMillan 229 W. Bute Street Norfolk, VA 23510 (804) 623-1641 (804) 423-4862
Area 3 Director Eugene W. Stoner (1979) 2312 Wilton Drive Ft. Lauderdale, FL 33305	Area 4 Director Paul B. Lapham (1980) 310 W. Wheaton Clare, MI 48617
Area 5 Director Timothy Ryan (1979) 12831 Sycamore Grandview, MO 64030	Area 6 Director Stan Skousen (1980) 5975 Pinewood Lane Missoula, MT 59801
Area 7 Director J. C. Dalton (1979) 2567 Titan Way Castro Valley, CA 94546	

- III. Walter G. Robillard, Outgoing Past President, commended Donald E. Schultz (Ohio) for his time and effort in behalf of the preparation of the new By-Laws of LSD.

Delegate Report (con't)

- IV. Jim Donahue presented brief summary of reports received fromthe Sections and Affiliates regarding their activities of the past year.
- V. Floyd R. Stiles (West Virginia) spoke at length on the necessity of the land surveyors to contact their Congressmen and Senators in behalf of the proposed ammendment to the "Surface Mining Control and Reclamation Act of 1977" (Public Law 95-87). You will recall from the fall 1977 report that this Act was passed stipulating that a professional engineer or professional geologist must sign the required surveys. This puts it in direct conflict with many State Laws (including Indiana) where such surveys must be signed by a registered land surveyor. The purpose of the ammendment is to remove portions which prohibit land surveyors from performing certain surveying and mapping functions which they are now authorized to perform.
- VI. Donald E. Bender (California) presented 4 items for action: Because numerous California Land Surveyor Association (CLSA) Board Members have expressed alarm at the lack of prior warning and availability of forms which would permit the land surveyors to participate to the fullest extent possible in the 1977 United States Census of Architectural, Engineering and Land Surveying service establishments, also due to concern relative to questions asked on the form. Resolution passed that LSD contact . . . agency noted . . . urging improvement of form so that land surveyors could participate to fullest extent the following was moved, seconded, discussed and passed:

LSD immediately initiate liaison with the United States Department of Commerce, Office of Federal Statistical Policy and Standards for the purpose of insuring that the 1977 and 1982 census of land surveying establishments will report to the fullest extent possible the scope and vitality of the land surveying profession.
- The apparent absence of input into the COFPAES Federal Programs Conference in March 1978 is viewed with concern by CLSA. Because the revision of standard forms 245 and 255 is scheduled for discussion, the following was moved, seconded, discussed and passed:

LSD represent the interests of the land surveying profession by sending one or more delegates to present our position at the sixth national conference on federal programs involving architectural and consulting engineering services. (Accomplished Mr. George Bushby Va-Md area was appointed the representative from ACSM to attend)
- Because of a Recommended Position Paper authored by the County Engineers Association of California and taking the following position:

"County Engineers Association of California does hereby adopt the position that land surveying has been, is, and should continue to be an important and fully authorized part of the practice of civil engineering."
- The following was moved, seconded, discussed and passed:

LSD use its best efforts in liaison with ASCE and others to bring about a mutually agreeable statement that land surveying is a distinct and separate profession.
- CLSA feels that recent publications by the federal government, ie. the Dictionary of Occupational Titles (D.O.T.) and the Standard Occupational Classification Manual (S.O.C.) in addition to publications soon to be released, must be examined by the land surveying profession. The following was moved, seconded, discussed and passed:

"Providing the existing committee of ACSM has not taken action within 45 days, LSD immediately thereafter initiate liaison with United States governmental agencies that define and classify the scope of professional services rendered to the public on a fee basis by land surveyors."
- VII. Carl Hammarstrom (Georgia) reported that the Georgia Society is working with the University of Florida and the Southern Regional Educational Board to support the BS degree program in Land Surveying there. The University of Florida is investi-gating the possibility of dropping the out-of-state tuition charge for students from the Southeastern States.
- VIII. The delegate from the Northern California Section reported that a New Historical Society has been established in their state for the purpose of preserving and displaying items relating to the evolution of land surveying. They also plan to make up a roster of deceased and retired land surveyors of their State in the hopes of turning up old field notes, etc.
- IX. Massachusetts reported that they are cracking down on the illegal practice of land surveying by engineers in their state. When such practice is reported, notice is sent to the offending engineer, who must then appear before the Board of Registration (for Engineers) where he is advised to cease and desist on threat of rescinding his engineer's license.
- X. David Krabil (Missouri) reported that the public relations committee of their State Society provided a display exhibit, which is set up at County Fairs to help tell the story of land surveying to the public.
- XI. Stanley J. Skousen (Montana) indicated that the big problem facing surveyors in Montana at the present time is trying to keep current on the proliferating administrative rules governing surveys and surveyors' activities. He urged the LSD to press the ACSM Board to respond to the resolution presented at Little Rock, regarding strong representation of the land surveying profession in legislation at the national level.
- XII. Glen Smith (Oklahoma) reported that due to a recent congressional appropriation in the amount of \$270,000.00, the field notes and plats of surveys from the original public land surveys of their state will be deposited in the Oklahoma Libraries Archives and Records Division. Some 90,000 sheets are involved.

XIII. The representative from Iowa reported that continuing education and re-certification legislation has been passed into law in that state. The Registration Board is to set up requirements for CEU's. At this point he indicated it would take 10 points per year averaged over 5 years to maintain a land surveyors license in Iowa.

XIV. Harold Charlier (Wisconsin) reported that his State Society recently completed a state wide survey on fees and salaries in the land surveying profession. He indicated the results of this survey would be forthcoming in a few weeks.

The meetings that I have attempted to outline above took place on Tuesday morning February 28 and Thursday afternoon March 2. The LSD Board met in the interim but I do not have a report on that meeting. I arrived at Washington Monday evening February 27 and returned home immediately following the LSD general membership meeting on Thursday. I feel that much good comes out of ISPLS being a Participating Organization of LSD even though the wheels of progress regarding legislation, etc. that would enhance our profession seem (at times) to grind exceedingly slow.

Respectfully submitted,

Byron M. Brady, RLS
Delegate to LSD

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PHOTOSTORY COVERAGE OF ACSM-ASP ANNUAL CONVENTION IN WASHINGTON

MARCH 1978



CHANGE OF GUARD
Ellsworth V. Stanley of Barrington, Rhode Island (left) outgoing president of the American Congress on Surveying and Mapping, pins the president's pin on Jon M. Leverenz, incoming president, who is employed by Rand McNally and Co., Chicago, Illinois.



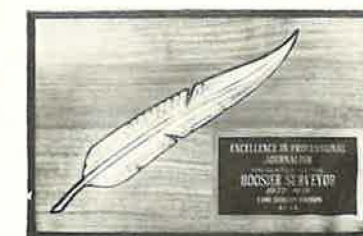
LAND SURVEYING LEADER
Prof. John G. McEntyre of Purdue University was elected to the chairmanship of the Land Surveys Division of ACSM. Of the approximately 7700 members of ACSM, about 6500 are members of the LSD division. This accomplishment of Prof. McEntyre, a past president of ISPLS, is well deserved. Indiana can be proud of the leadership he is providing!



1978 ACSM BOARD OF DIRECTORS
The Board of Directors of ACSM is composed of the officers, elected directors, and the division chairmen. All areas of the surveying and mapping profession are represented on the board. The three divisions are Land Surveys, Control Surveys, and Cartography. Other particularly strong committees are Instruments, Metric System, and Marine Surveying and Mapping.



NEWSLETTER AWARD
Prof. Kenneth Curtis, left, of Purdue University, editor of the HOOSIER SURVEYOR receives the Land Surveys Division 1978 award for "excellence in professional journalism" on behalf of the surveyors of Indiana. Previous states so recognized have been Florida and Ohio. John McEntyre, chairman of the LSD division presented the plaque but emphasized that he had no vote in the committee's decision.



LIFE MEMBERSHIP CERTIFICATE
Prof. Kenneth Curtis, right of Purdue University receives a life membership certificate from Bob Herndon, executive director of the American Congress on Surveying and Mapping. Curtis attained this membership status because of a provision in the constitution citing 30 years membership as one method of achieving it. It is obvious he joined at a very early age!

**TRI-STATE IN '78
CONVENTION COVERAGE**
by MICHAEL AGIN

"If land surveyors have one common fault, it's an inability to accept one another. We tend to look at each other as competitors, rather than feeling there is a fellow surveyor with common problems," stated John V. Schneider, president of the Indiana Society of Professional Land Surveyors, in opening remarks at the Tri-State '78 Surveyors' Convention.

"If this convention offers one thing," Schneider added, "it is the ability to get together, meet together and pull together in one body to try and accomplish common goals."

About 540 persons, including surveyors, wives and guests, attended the Tri-State Surveyors' Convention. The three-day convention, the first time the three state's professional surveyors had come together, was held February 16-17 at the Drawbridge Inn in northern Kentucky. Despite the frigid weather, John L. McMichael, president of the Kentucky section of the American Congress on Surveying and Mapping (ACSM), greeted the northern neighbors from Indiana and Ohio with bright words, "Welcome to the sunny south!"

The weather was cold outside, but inside the Drawbridge Inn, the surveyors were warming up to a varied selection of workshops, a large exhibits hall and entertainment. Everywhere surveyors were getting together, listening to workshop instructors, learning about new ideas in their profession and talking to each other--mostly about their work. Surveyors here were a serious and curious group. Even when the members were dining together, "shop talk" dominated. Topics ranged from problems encountered with different record keeping systems and enforcement, and to use of computers in their profession.

Workshops gave the surveyors more to talk about and think about. Four workshop sessions were held during the three days. During each session, the surveyor could choose a workshop from four main categories: business, personal development, professional and technical.

Consider the three-day agenda for the business sessions. On Thursday, the first topic was "Problems Encountered in Starting a Business." Prof. Wayne S. Overmyer, from the University of Cincinnati, sobered his audience of more than 200 surveyors with the hard economic facts of being their own boss. Several studious surveyors furiously took notes.

"You must really carefully evaluate how much you're going to collect," Prof. Overmyer pointed out when he began discussing one major problem for surveyors--money.

"I'm quite sure you're seasonal in your work," he continued. "The key is, when is this cash going to come in. If you know when your money will be there, you can stave off creditors. And if you meet those obligations, you establish credibility. And that's extremely, extremely important!"

The dynamic Overmyer discussed details of budgeting, and also compared the three main types of business organizations: the sole proprietorship, partnership and professional corporation. Overmyer's display of information probably earned him a following, because he spoke at other crowded business workshops entitled "Record Keeping" and "Tax Reporting Problems."

Equally intriguing were the personal development workshops. The topics included "Controlling Worry," "Motivation of Employees," and "Influencing Business People." These workshops involved speakers from the Dale Carnegie Courses in Cincinnati, Ohio, and Louisville, Kentucky.

These speakers emphasized the positive side of the personal encounters surveyors face each day. In "Influencing Business People," speaker Ed Grooms noted, "We all like compliments." He advised the group that they shouldn't try to tear down the confidence of the people they meet. Advocating the positive approach, Grooms said, "Although a mistake may be made, there were probably many actions leading up to that mistake that were right." He went to the blackboard and wrote several simple math problems, like $2+2=4$, $3+3=6$, $5+3=8$, then $5+5=9$. Of course, the audience reacted to his mistake, but as Grooms pointed out, he didn't get applause for the math problems that were right.

The technical workshops began with an impressive photographic slide show by William H. Chapman, from the U.S. Geological Survey. Speaking on the "Evolution of Survey Instruments," Chapman informed the audience on various surveying instruments and transportations while entertaining them with dazzling pictures from mountain tops, canyons and the Antarctica.

Showing an old black-and-white slide shot of a young man sitting under a large umbrella, Chapman said that was him while sitting on the lip of the Grand Canyon. Chapman said he grew up fast on that assignment. He recalled his boss would tell him to go across the canyon to find his rod, but first advised him to grab his lunch and the LARGE canteen. So Chapman would crawl down the lip of the canyon toward the general direction of a tree ("Which I never found," he added). Chapman recalled when he was in the canyon bottoms, he would hear a "Nooooo. . ." echoing down to him and he would know he had to reverse his direction. Then when he was going the right way, there would be a long "Yessss..."

"I would finally get back about 6 p.m.," Chapman said, "And that was going like hell."

Chapman's performance was followed by other technical workshops entitled "Technical Aspects of EDM," and a panel discussion on "Improving Land Records."

Many surveyors also participated in the Professional sessions. Panel discussions were held on "Relations with State Boards of Registration," "Surveying Education in the Tri-State Area," and "Problems of Liability, Advertising, Ethics, etc."

TRI-STATE IN '78 CONVENTION COVERAGE (con't)

Outside the workshops, the surveyors drifted into the exhibit hall featuring 33 exhibitors at 36 spaces, each brimming with the latest technology in surveying equipment. The age of electronics is settling in comfortably as partners with surveyors. Pocket calculators, once a rarity, are as basic a tool as a pencil for modern surveyors. EDM, the electronic measuring tool, is becoming more and more the standard equipment, and several exhibitors were on hand with their own models. A two-way radio exhibit attracted much interest and may have won over some surveyors to use walkie-talkies and base radios.

But the greatest stir seemed reserved for computers. These electronic wizards may be the next technological advance to move into the offices of the smaller surveying firms. "The cost of a computer is getting down to the price of what used to be paid for calculators," observed Ellsworth V. Stanley, president of the American Congress on Surveying and Mapping (ACSM). Stanley's east coast firm already owns computers, and he credits them with taking him "out of one of the biggest binds I've ever been in." It's no wonder. On display at the convention were computers that not only calculated surveying or business accounting problems, but also drew maps.

While the men held their daily sessions, some of their wives were enjoying their own program. Joan Minges, of Harrison, Ohio, and Julie Schultz, of Cincinnati, Ohio, co-ordinated the women's program. An opening day luncheon was scheduled at 11:15 a.m. Thursday at the Riverview Room, the revolving restaurant on the 18th floor atop Quality Inn overlooking the Ohio River. Unfortunately, Mrs. Minges learned, someone at the Inn neglected to tell the ladies the 18th floor restaurant was closed until 11:30 a.m. and elevators would only go to the 17th floor until then. Some of the ladies were riding up and down the elevator for 15 minutes trying to discover the right floor to get off.

An impressive spring fashion show and champagne breakfast the next day entertained the women at Shillito's Department Store in downtown Cincinnati. As a convention gift, silver charms in the shape of surveyor's transit were presented to each of the ladies. Finally, on Saturday, a Ladies Breakfast featured an informative lesson on home landscaping. The slide program called "Out in Peggy's Garden" was presented by Mrs. Neal MacNeale.

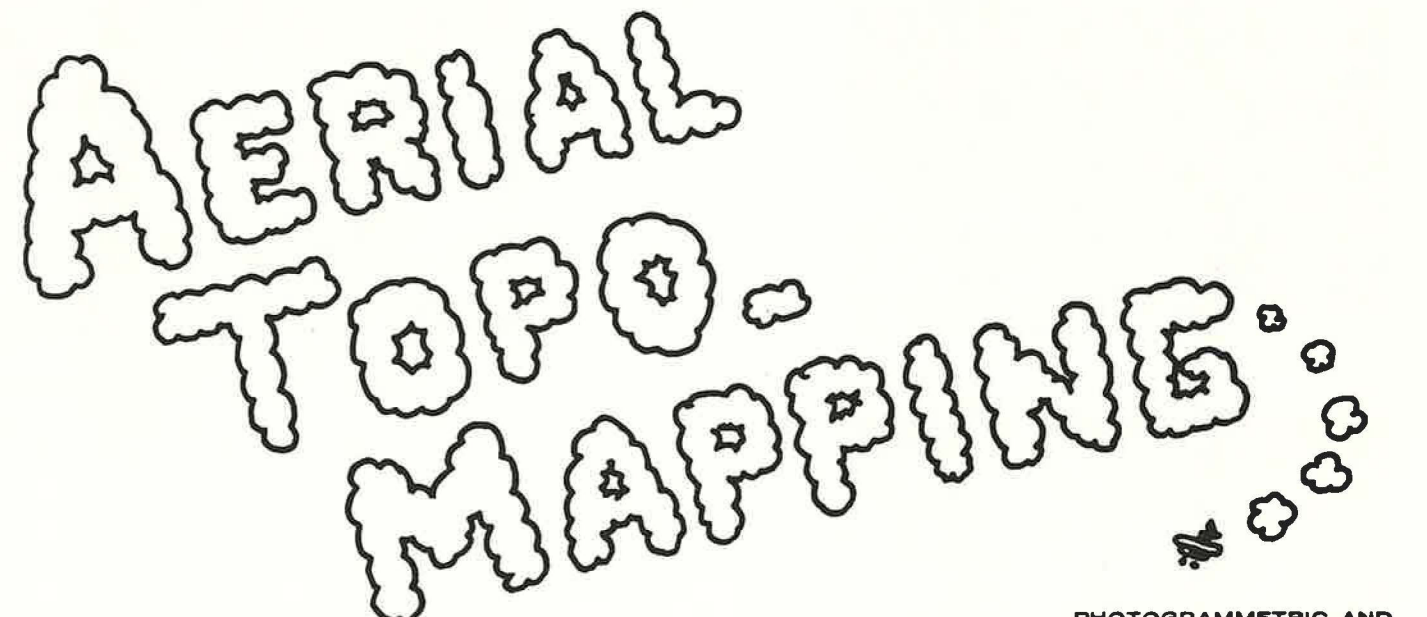
Business sessions for each state's professional association were held and new officers were installed by Ellsworth V. Stanley, ACSM president.

Luncheon speakers and nightly entertainment rounded out the convention activities. Keynote speaker Leo M. Krulitz, the Solicitor of the U.S. Department of the Interior, opened his remarks on the controversial Alaskan lands, and noted he wished surveyors had been consulted when these lands were transferred to the federal government. "The problems from that," Krulitz said, "keep our crew of lawyers busy and will for the next several years." Krulitz then outlined the nation's coal policy and energy problems as they relate to lands owned by the government.

The surveyors were entertained by German Folk Dancers and a German Polka Band during Bavarian Night. Variety entertainment from an Indiana family singing group, a Kentucky blue-grass group and an Ohio Men's choir filled Friday night's after-dinner show.

"From the comments I have heard, I think we've had a successful meeting," said Donald Schultz, general convention chairman, at a final gathering on the last day. In another hour, the surveyors who came together would be leaving separately, but yet with a little more understanding of each other. "We made a lot of new friends," concluded Mrs. Minges while making final preparations before leaving. And from Stanley, the ACSM president, walking the red carpeted hallways for the last time, "I think it's been an exceptional convention."

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PHOTO COVERAGE OF TRI-STATE CONVENTION

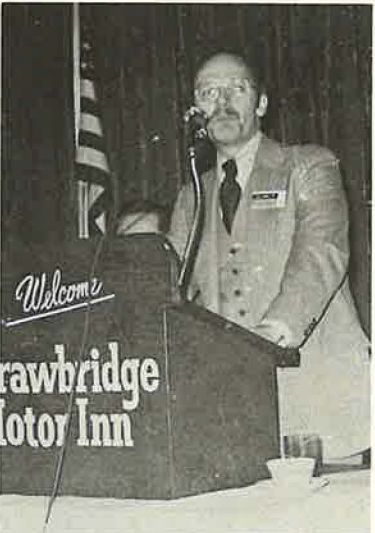
1. Surveyors welcome
2. Briefcases and convention packets distributed at registration desk . . . women from the northern Kentucky convention bureau assisted
3. Opening session brings surveyors together
4. Workshops caused talk . . . Prof. Wayne S. Overmyer explains the economic facts in starting a business
5. Looking over exhibits are James Vanden Bosch (left), and Kenneth Griffiths, both of Ohio
6. Here's to the convention . . . special mugs given away at Bavarian Night
7. Dancing to the music
8. Keynote speaker Leo M. Krulitz said surveyors should have been consulted during Alaskan lands transfer
9. New and old presidents of the ISPLS
10. New ISPLS president, Roger Woodfill (left), receives Kentucky colonel award from Sen. Joseph W. Prather, president pro-tem of the Kentucky senate
11. Computers excite surveyors
12. New officers of the ISPLS were installed by Ellsworth Stanley, A.C.S.M. Pres.
13. Five kids and a goat--a singing group from Indiana delights crowd
14. Enjoying the entertainment
15. "We made a lot of new friends" --Joan Minges, co-chairman of the Ladies program
16. Last chance at each state's booth
17. Indiana's booth manned by pretty Karen Mollaun
18. - 23. Bavarian dinner and dancing.



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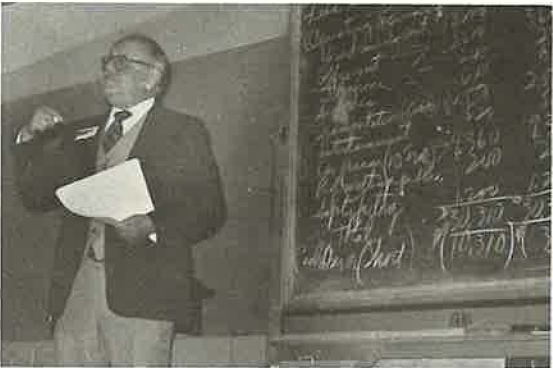
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EDITOR'S NOTE:

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TWO-DAY SPRING SEMINAR WITH GURDON WATTLES

The Indiana Society of Professional Land Surveyors, Inc. is sponsoring a two-day seminar featuring GURDON WATTLES who is traveling from California especially for this program. The dates are Friday and Saturday, May 12 - 13, 1978 and the place is the Abe Martin Lodge located in the Brown County State Park near Nashville, Indiana. Wattles is well known by all land surveyors and is the author of Writing Legal Descriptions and Surveying Drafting. Information concerning registration and lodging has been mailed separately, but is available from state ISPLS headquarters. Phone 317/545-8907.



15

MARKS TO PENN STATE UNIVERSITY

Professor G. Warren Marks of Purdue's School of Civil Engineering has resigned in order to accept an associate professorship at the Penn State University in charge of their surveying courses. Dr. Marks, who has degrees from Cornell and Illinois, has been in charge of Purdue's basic surveying course and the courses in surveying computations and photogrammetry for land surveyors for the past six years. Hoosier land surveyors wish him well in his new venture.

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The School of Civil Engineering, Purdue University, West Lafayette, Indiana, invites applications for tenure-track faculty position in the area of surveying and mapping at the assistant or associate professor level. Applicants should have a strong interest in teaching at the undergraduate level in a four-year professional land surveying curriculum, with special emphasis in such subjects as surveying computations, data adjustment, computer programming, photogrammetry, airphoto interpretation, and other basic surveying topics. The position also involves some graduate level teaching and the successful candidate would be expected to develop some externally funded research. A high level of teaching ability and scholarship is required. Preferential consideration will be given to candidates holding the Ph.D. with some teaching, research and/or surveying experience, and professional land surveyor registration. In order to receive full consideration, applications must be received prior to June 15, 1978. The starting date is August 21, 1978. Send resume to Head, School of Civil Engineering, Purdue University, West Lafayette, Indiana, 47907. An equal opportunity/affirmative action employer.

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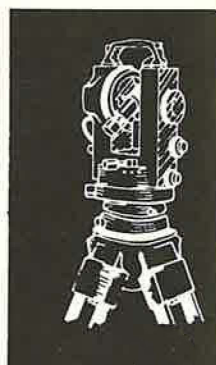


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SURVEYING THE MULTI-STATE CONVENTION

by MICHAEL AGIN

For the first time in surveying history, the professional surveying associations of three mid-west states held a joint convention. Indiana, Kentucky and Ohio surveyors met together on February 16-18 at a northern Kentucky convention/hotel.

"I've been urging states for the past six or seven years to consolidate into joint meetings," said Ellsworth V. Stanley, president of the American Congress on Surveying and Mapping (ACSM). "We can make a much stronger profession."

Stanley was among the 540 surveyors, wives and guests who attended the Tri-State '78 Surveyors' Convention. Arranging a three-state meeting is a difficult accomplishment, as the members of the steering committee know. Heading up the steering committee to co-ordinate the thousands of work details were Roger Woodfill, newly installed president of the Indiana Society of Professional Land Surveyors (ISPLS); Earl Paul, representative for the Kentucky section/ACSM; and Donald Schultz, general convention chairman and representative for the Professional Land Surveyors of Ohio, Inc. (PLSO). Many other persons were needed to help with the convention arrangements.

"We began planning in February of 1977," noted Woodfill, "and it is now March of 1978 and we're still wrapping up details."

One of the big details was finding a keynote speaker, Woodfill explained. After many letters and phone calls to the department of the Interior, Solicitor Leo M. Krulitz agreed to attend and speak to the group. Woodfill pointed out a large convention has a better chance to attract high government officials or well-known persons as keynote speakers.

But a myriad of lesser details must be handled. Silver charms in the shape of a surveyor's transit were unique gifts planned for the wives who attended, and there were special mugs and briefcases which also needed ordered. Even a special dispensation was sought from religious authorities to clear the way for some surveyors to eat the meat at the Friday banquet supper. Then arrangements also had to be made for workshop instructors, exhibitors, hotel and convention rooms, area-wide publicity, and advanced registration information to the members of each state's professional surveyors' associations.

All this advanced planning would lead to the first-time tri-state convention and fulfill its main purpose. "A convention like this will provide a basis for changes in each state," stated convention chairman Schultz, "because you make more people aware of the problems of the profession. In our three areas we have basically the same problems. And when you make people aware of these problems, they can see ways to upgrade their profession in each state."

What are some of the problems facing surveyors today?

"We've got to communicate," answered ACSM president, Ellsworth Stanley. "Communication is one of the biggest problems."

Stanley indicated the joint session of the three mid-west states was accomplishing a lot toward communication among surveyors. "The delegates are able to contribute to the others," Stanley said. He explained that a surveyor in one state may be able to share a solution to a problem being faced by a surveyor in another state.

But the ACSM president said communication has to extend beyond the profession. Stanley said the public needs to be better informed about what a surveyor does. He pointed out it is tough for a surveyor to deal with a client unfamiliar with a surveyor's work when "it is next to impossible to give firm prices (and) you never know how much time you're going to take." Stanley's concerns about the public's perceptions were repeated many times in conversations between the surveyors at dinner tables during the Tri-State Convention.

"The education of a surveyor as well as the public has to be improved," Stanley added. He advocates as a goal of ACSM to use a full-time educator to study continuing educational programs.

"The time is coming for a continuing education program for re-certification. The techniques are changing so rapidly that if a surveyor misses a convention, he misses a whole lot," said Stanley.

Another problem surveyors must deal with is improvement of land records, Stanley said. The Land Data System (LDS) could be the future for surveyors. LDS is the mass storage of information in a computer system, with such data as the size of a lot, its location, tax, mortgage, and much more, Stanley explained. "The land data system, when and if it goes nationwide, would increase business as well as be better for the public," claimed Stanley. He also said LDS would be invaluable for planning agencies and highway departments.

These problems were among the topics discussed at the three-state convention, but not the only ones. Individual surveyors questioned each other about their day-to-day problems with land records, about different county organizations for planning and enforcement, on the politics involving surveyors, and about information on surveying devices like computers. The computers were among the latest technological advances displayed in the exhibit hall. Thirty-three exhibitors filled 36 booths, and the convention organizers pointed to this large display as another advantage of a multi-state convention.

The great deal of co-operation and co-ordination by the three states was successful, but only after work that was hard, tedious and sometimes humorous. The exchange of ideas between surveyors who live hundreds of miles apart but share common problems seemed to make this unusual multi-state convention worth the effort.

"The world is getting smaller," said Stanley figuratively. "We as surveyors no longer live in a world all our own."

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Member of American Congress on Surveying and Mapping _____ Yes _____ No

Member of a local chapter of ISPLS Inc.? _____ Yes Which Chapter? _____ No

MEMBERSHIP CLASSIFICATIONS

MEMBER ---- Registered in Indiana as Land Surveyor. Member is entitled to vote, hold office, and participate fully in the Society.

JUNIOR ---- Actively pursuing the goal of becoming registered as a Land Surveyor. Junior is entitled to vote and participate fully in the Society, but is not entitled to hold office.

ASSOCIATE -- Associated or affiliated with the Land Surveying Profession but is not qualified to become registered. Associate is not entitled to vote or hold office, but will receive newsletter and will be invited to participate in meetings.

STUDENT ---- Same eligibility requirements as for Junior, except membership may be used only by full time students, and for four years only. Students are entitled to the same benefit as Associates.

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Quantity	Publication	Cost to Member	Cost To Non-member
_____	Manual No. 1 - <u>The Perpetuation of Corners in Indiana</u> by John G. McEntyre (June 1972), 100 pages.	\$ 5.25	\$ 7.50
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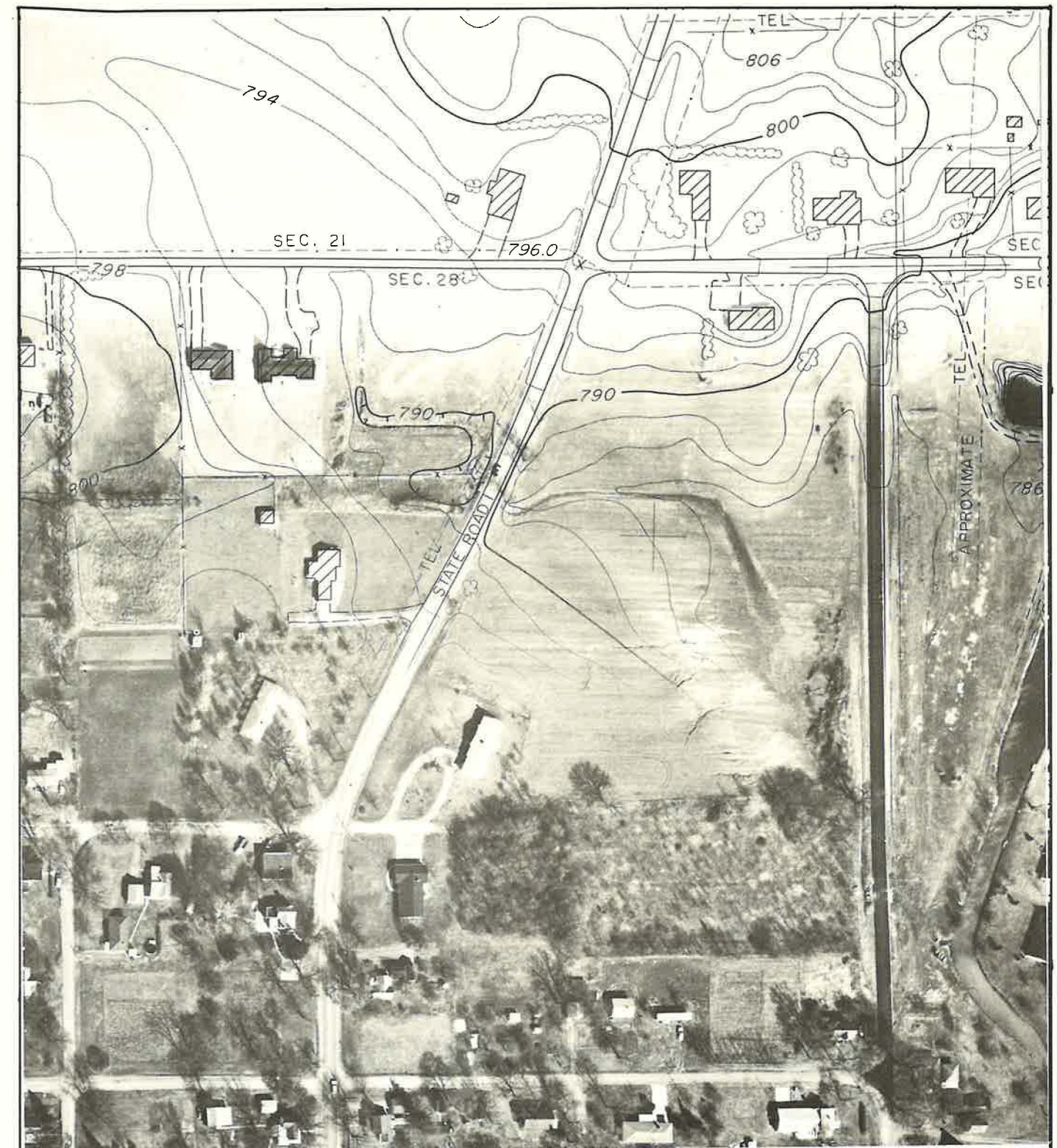
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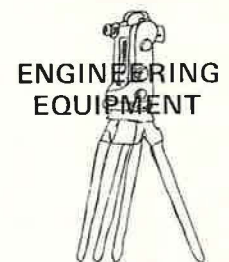
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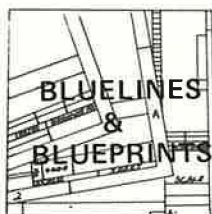
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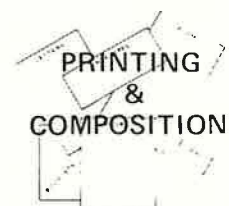
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