



Volume 5 Issue 4, December 1989

# MMA NEWS

MISSOURI MAPPERS ASSOCIATION

P.O. BOX 1692  
JEFFERSON CITY, MISSOURI 65102

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## MID-AMERICA GIS SYMPOSIUM



*Promoting cooperation in the 1990's*

- ★ Marriott Hotel in Overland Park (Kansas City Area) ★
- ★ April 30th - May 3rd, 1990 ★
- ★ A Forum on Geographic Information Systems (GIS) ★
- ★ A Review of the State-of-the-Art ★ An Assessment of the Status of GIS in the Region ★ Prominent Speakers ★ GIS Short Courses at Introductory and Advanced Levels ★ Skilled & Knowledgeable Instructors ★ Special Sessions for Administrators & Public Officials ★ Major Exhibits ★

Short Courses will include: ★ Introduction to GIS ★ GIS Management & Administration ★ Data Capture & Database Development ★ The Multi-Purpose Cadastre ★ Interfacing Remote Sensing & GIS ★ Overview of GIS Hardware & Software ★ Utilizing Existing Digital Data ★ Spatial Modeling ★ Interfacing Cartography & GIS ★ Automated Mapping/Facilities Management-AM/FM ★

To be placed on the mailing list for more information, contact:

*Karl Kappelman, Conferences & Programs,  
University of Kansas, Continuing Education Building,  
Lawrence, Kansas, 66045-2607,  
(913) 864-3284*

# LEGISLATION FOR SECOND SESSION 85TH GENERAL ASSEMBLY TITLE: LAND SURVEY ADMISSIBILITY REQUIREMENTS

## PROBLEM:

The General Assembly has just recently modified a portion of Missouri Law which deals with the admissibility of evidence. A newly enacted Chapter 60.150 states flatly that no survey except a survey conducted by a county surveyor may be admissible in evidence in court. Previous to the current modification, this section allowed two exceptions to the use of county surveyor surveys: 1) For surveys conducted under the authority of the federal government; and 2) Surveys made by mutual consent of the parties. The Legislature, in its infinite wisdom, may have eliminated the admissibility of any surveys conducted by a private surveyor. This is a very serious problem because there are only a limited number of county surveyors in the State of Missouri. Of the 115 county jurisdictions, the office of county surveyor is held in only 65. In the five first class counties, duties of the county surveyor must be performed by county government through their county highway engineer. This in itself would create a considerable burden on county government as they are not staffed to provide boundary surveys to the general public. For all practical purposes, the private land owner in the urban area would be without the ability to get a land survey that would be admissible as evidence in court.

There is also a major problem with the admissibility of surveys as the result of the so called "*Government Corner Rule*". The courts have consistently ruled that for a survey to be admitted as evidence in court proceeding it must start at a corner established by the US Government, or if it is lost, one restored by statutory procedures. It is clear from previous court decisions, that a government corner is one that either has the original government evidence or has a clear chain of evidence back to the original government corner. The destruction of the government system in the past fifty years had been very extensive in the State of Missouri; consequently, The ability to have a government corner from which to start a survey is quite remote.

The rules state that if the corner is lost, then the surveyor may reestablish that corner using statutory procedures. Because of the extensive destruction of the original government corners, it is almost an impossibility to restore an original corner by the statutory procedures.

The application of the "*Government Corner Rule*" has led to some gross inequities. The rule, we believe, was intended to insure that the parcel being surveyed was correctly located within the section in which it is described. The courts have allowed the surveyor to just obtain a distance and direction between the survey and some government corner somewhere. It may be five or six miles away. That has made no difference to the court.

A more recent ruling now requires all surveys, if they are in a subdivision, to comply with the "*Government Corner Rule*". The tying of a survey in a subdivision to a government corner is completely superfluous. There is no rational justification for trying to place the physical location of a parcel created by a recorded subdivision plat within the original government survey system. The parcel in the subdivided land should be placed correctly on the recorded subdivision plat only.

It is clear that the ability to provide accurate and economical surveys to the public within the constraints of the "*Government Corner Rule*" are very difficult. This rule needs to be changed by legislative action.

## SOLUTION:

We propose the following draft legislation to clear up both problems.

Repeal Current 60.150

And Enact

60.150: No survey or resurvey made hereafter shall be considered legal evidence in any court in this state unless it is made by a registered land surveyor, and it can be shown that the survey is located by measurements to monuments of the section, US survey, subdivision, or other unit in which the property is legally described. A survey may not be rejected hereafter because it did not commence at a government corner.

## LETTER FROM THE PRESIDENT

In just a few short months the barren trees you now see will be in full bloom. For those of you who are planning new aerial photography of a portion or entire county before these leaves appear, a couple of cost saving ideas are shared with you.

You may want to request your contractor to provide 9"x9" contact prints of every fourth negative on each flight line. Assuming 80% forward overlap (which is recommended for optimum negative selection), every fourth print will give you monocoverage. This will still give you full photo coverage for your print file. Savings could be as much as \$1,000 for a full county requiring 600 total negatives.

A second idea involves altitude selection and should naturally be discussed with your State Tax Commission representative. The recommended altitude is 10,000' above mean terrain (negative scale 1"=1,667' +/-). Each flight line would be centered on every other section line such that three flight lines would cover one township. This photography can be enlarged to 1"= 400' (4.17 enlargement factor) and/or to 1"= 200' (8.33 enlargement factor) for orthorectified photo imagery or semi rectified photo imagery. The new aerial cameras with forward motion compensation, newer fine grain aerial film, and state of the art reproduction cameras available today allow this process to result in quality products at a significant reduction in

cost. You should request samples from your potential contractor before making any contracts. Remember, this altitude is other than the original State Specifications and should, therefore, be discussed with your State Tax representative. It represents an alternate method for less cost and merits consideration.

Have a peaceful and prosperous 1990; Happy Flying.

Sincerely,

Donald T. Cleveland  
President—MMA

## 1990 GIS SYMPOSIUM TO BE HELD IN KANSAS

The Six Consortium on GIS, in cooperation with the Kansas University Division of Continuing Education, is presenting the first **Mid America Symposium on Geographic Information Systems**. The Symposium is being held April 30 through May 3, 1990 at the Marriott Hotel in Overland Park. MMA members will be sent registration information in early 1990.

The Symposium is intended to promote cooperation and communication between individuals, private firms, governmental agencies, and professional organizations that have an interest in the use of automated mapping and geographic information systems (GIS). The Symposium will focus on recent GIS activities within the states of Arkansas, Iowa, Kansas, Missouri, Nebraska, and Oklahoma.

The principle objectives of the Mid America GIS Symposium are as follows:

- Provide a forum for individuals and organizations to interact, exchange information, and establish linkages which will promote better utilization of GIS into the 1990's;
- Assess the status of GIS in each of the six states, learning from the experiences of others, and identifying research and development needs;
- Provide participants with an improved perspective of the state of the art in GIS through presentations, workshops, and exhibits;
- Provide training at both introductory and advanced levels through several short courses prior to the conference; and
- Determine the need for future regional GIS meetings and the potential for establishing a regional GIS organization.

GIS short courses will be presented April 30, the day prior to the Symposium, to provide the attendees with a better insight into the complexities of geographic information systems. The short courses are being offered at various skill levels, and participants will be exposed to several pertinent GIS issues at a nominal cost. Some short courses will be covered in one and one half hours, while others will be three hours in length. Each will be offered two or three times on Monday. Tentative subjects for the short courses include:

1. Introduction to GIS
2. GIS Management and Administration
3. Data Capture and Database Development
4. The Multi Purpose Cadastre
5. Interfacing Remote Sensing and GIS
6. Overview of GIS Hardware and Software
7. Utilizing Existing Digital Data
8. Spatial Modeling
9. Interfacing Cartography and GIS
10. AM/FM—Automated Mapping and Facilities Management

Detailed information on the short courses (fees and subject matter) will also be included with the registration pamphlet.

The 1990 Mid America GIS Symposium provides a rare opportunity for people in this region of the country. The Symposium will be addressed by world renowned experts in geographic information systems; individuals attending the Symposium will represent a variety of professions; a Job Mart will introduce people to new opportunities in the field of GIS; a Poster Session on Tuesday evening will allow participants to display what they have been able to accomplish with GIS and to illustrate the type of work they do; and the vendor exhibition will feature professional organizations, consultants, and manufacturers, and distributors of automated mapping products and geographic information systems from all across the country.

If you know of someone who is particularly interested in GIS let them know about this event and have them contact Mr. Kappelman to be placed on the mailing list!

Karl Kappelman  
Program Manager  
University of Kansas  
Continuing Education Building  
Lawrence, KS 66045-2607  
(913) 864-3284

## MISSOURI MAPPERS ASSOCIATION CERTIFICATION EXAMINATION

The Missouri Mappers Association PMM Certification Examination has been scheduled for some time in April or May of 1990. If you meet the following designation requirements, you are eligible to take the eight hour comprehensive and subjective examination:

1. Have five full years of cadastral mapping experience or its equivalent.
2. Be engaged in the use, production, or maintenance of cadastral maps.
3. Attended a minimum of 30 hours of study in mapping, surveying, or a closely related subject.

In order to be scheduled for the examination, you must complete a certification application and submit information verifying that you meet the requirements listed above. This information must be received by the Certification Committee no later than March 31, 1990. If you would like to receive an application or have any questions, please contact Gary Drennan, PMM, Certification Committee Chairman, Box 194 EVP, Nixa, Mo 65714-9803, (417) 725-4245.

## ANNUAL MEETING/EDUCATION QUESTIONNAIRE

Due to a delay in printing, the submittal date on the questionnaire included in the last newsletter was prior to the date the newsletter was mailed. We apologise for this and are including another questionnaire in this issue.

We want to thank those of you who returned the questionnaire, but we would like to hear from the rest of you also. If you haven't already done so, please take a few minutes to fill out the form and return it.

## FOR SALE/WANTED COLUMN

Members, do you have a piece mapping equipment you have been wanting to sell or buy? If you do, we will advertise it for you in the MMA News free of charge. Simply let us know the name and type of equipment you are advertising along with your name and number. Send them to Dan Roe, 409 Vandiver Drive, Building 5, Suite 100, Columbia, MO 65202.

## WANTED

Free rolling map rack with 12 print clamps. Must accommodate 36"x 36" sheets. Any color. Contact:

Christy Linhart  
Cooper County Assessor's Office  
(816) 882-2646

## CALMIT ANNOUNCES 1990 COURSE SCHEDULE

The Center for Advanced Land Management Information Technologies (CALMIT), University of Nebraska-Lincoln, has announced its 1990 schedule of short courses. All courses provide hands-on training with GIS and remote sensing technologies.

SHORT COURSE TITLE	1990 DATE
Geographic Information Systems: An Introduction	February 5-9
Geographic Information Systems: An Introduction	April 9-13
Advanced GIS: ARC/INFO	April 16-20
Remote Sensing/Digital Image Analysis	June 11-15
Geographic Information Systems: An Introduction	June 18-22
Advanced GIS: ARC/INFO	June 25-29
Field Techniques in Remote Sensing	July 9-13
Geographic Information Systems: An Introduction	July 16-20
AVHRR Data Analysis	August 20-24
Geographic Information Systems: An Introduction	September 10-14
Advanced GIS: ARC/INFO	September 17-21
Using GIS in Groundwater Management (to be held in conjunction with the Midwest Groundwater Conference)	October 14-16

To receive additional details and registration information contact:

CALMIT • Conservation & Survey Division • University of  
Nebraska-Lincoln  
• 113 Nebraska Hall • Lincoln, Nebraska • 68588-0517 •  
• (402) 472-2567 •

## MMA SHIRTS AVAILABLE

Our thanks to Gary Drennan for the design and printing of the MMA t-shirts and golf shirts. We still have a limited number available for those of you who were unable to attend the annual meeting. The t-shirts are \$10.00 and the golf shirts are \$15.00. For information on sizes and colors available, please contact Jerry Joe at the Andrew County Assessor's Office at (816) 324-3023.

## HELP WANTED

Ambitious person whose interests go beyond the local office needed for a temporary opening in Missouri Mappers Association Publication Committee. You will be involved with an active group of people who care about the work they do and you will receive statewide recognition for your efforts. No previous experience necessary. If you are interested contact:

Dan Roe, PMM  
MMA Vice-President  
Miller Associates  
409 Vandiver Dr.  
Building 5 Suite 100  
Columbia, MO 65202  
(314) 443-1666

## CHANGE OF ADDRESS

If you have a change of address or would like your mail sent to your home or office, make a copy of the application and mail it with the appropriate information completed. Send change to:

Mr. Robert Norris, PMM  
c/o Missouri Mappers Association  
P.O. Box 1692  
Jefferson City, MO 65101

## ANNUAL MEMBERSHIP DIRECTORY

The annual membership directory will be printed in the next newsletter. At present, plans are to list each member's name, county or firm, mailing address, and phone number. If you would like to update any of this information, copy the application form and submit the correct information.

## APPLICATION FORMS

In this newsletter, you will find a membership application form. If you know of someone who might be interested in our organization, take a copy of the application and pass it on.

## MEMBERSHIP

The Missouri Mappers Association currently has a membership roll of 216. As of December 20, 1989, 98 members have their 1989-1990 dues paid up. If you have not paid your 1989-1990 dues, please do so by March 31, 1990 or your name will be dropped from the active membership roll. If you're not sure if your dues are paid up, look at the mailing label of this newsletter. If the message concerning the dues appears, then you need to forward your 1990 dues. If you have any questions or would like to verify your dues payment, give Bob Norris a call at (314) 751-1733 or (314) 635-7423.

Remember, the Association will be only as good as you make it, so let's start by keeping the memberships current.

## IAAO ESTABLISHES MAPPING DESIGNATION

By: George Donatello, PMM  
IAAO Executive Board Member

I am extremely pleased to announce that the memberships of the International Association of Assessing Officers has overwhelmingly approved the establishment of the first internationally recognized professional designation for MAP-PERS! . The Cadastral Mapping Specialist (CMS) designation is a reality. I am told that the requirements, case problems, and examination will be offered sometime after the first of the year.

To successfully fulfill the CMS designation requirements, a few initial requirements have to be met. To qualify for the designation, candidates must have three years of mapping experience, have successfully completed IAAO Courses 1 and 6, and be a member of the IAAO.

If you are not a member of the IAAO, you should contact your IAAO state representative immediately. The representatives in Kansas and Missouri are Mark Hixon and Bob Boley, respectively. Fees for a first time member are only \$65. This is a small price to pay for the professional benefits that you will receive from the membership in the International Association of Assessing Officers.

Without your support of professionalism in the cadastral mapping world, nothing is possible — with it, the CMS designation is a reality!

## 1989 ANNUAL MEETING AND EDUCATION COMMITTEE QUESTIONNAIRE

The Board of Directors would like your input. If you were able to attend the annual meeting, please answer the questions concerning the 1989 meeting. If you were unable to attend, we would still like your input for the 1990 annual meeting and we would like to have suggestions from everyone for our Education Committee. After completing this form, please fold, staple, and place a stamp on it. The address has already been printed on the back.

- 1a. Did you find the meeting location suitable? \_\_\_\_\_
- b. Where would you recommend next year's meeting be held? \_\_\_\_\_
- c. What date should the meeting be held? \_\_\_\_\_
2. What is your preference as to the length of the meeting?  
\_\_\_\_1 Day \_\_\_\_1½ Day \_\_\_\_2 Day \_\_\_\_Other \_\_\_\_\_
- 3a. Should banquet be continued? Yes\_\_\_\_ No\_\_\_\_
- b. If so, should it be:  
\_\_\_\_The evening before the first day of the annual meeting?  
\_\_\_\_The evening of the first day of the annual meeting?  
\_\_\_\_Other \_\_\_\_\_
- c. If so, what type program or entertainment would you like to see? \_\_\_\_\_
4. Was the lodging and food suitable at the 1989 meeting?  
\_\_\_\_\_
- 5a. Should the exhibitor/hospitality program be continued?  
\_\_\_\_\_
- b. If so, how could it be improved? \_\_\_\_\_
6. Please comment on programs held at previous meetings and make suggestions for recommended future speakers and/or programs.  
\_\_\_\_\_  
\_\_\_\_\_
7. Do you know an individual that is knowledgeable in an area of interest to our association.  
\_\_\_\_\_  
\_\_\_\_\_
8. I would be interested in holding an office next year.  
\_\_\_\_Yes \_\_\_\_No Office \_\_\_\_\_
9. I would prefer to serve on the following committee.  
Education \_\_\_\_\_ Legislation \_\_\_\_\_  
Publication \_\_\_\_\_ Awards \_\_\_\_\_  
Membership \_\_\_\_\_ Certification \_\_\_\_\_  
Annual Meeting \_\_\_\_\_
10. What did you like about the annual meeting?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
11. What did you dislike about the last annual meeting?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
12. I would like to see educational programs on the following topics: Please mark your preference from 1 to 5:  
\_\_\_\_Fundamentals of Mapping  
\_\_\_\_Resolving Deed Conflicts and Errors  
\_\_\_\_Legislation Concerning Mapping and the Legislative Process  
\_\_\_\_Computer Aided Drafting (CAD)/Graphic Information Systems (GIS)  
\_\_\_\_Mapping/Drafting Equipment and use  
\_\_\_\_Updating Aerial Photographs  
\_\_\_\_Inking and Technical Pen Care  
\_\_\_\_Soils Mapping  
\_\_\_\_Instruments that Transfer Property  
\_\_\_\_Highway Rights-of-Way and Curves  
\_\_\_\_Question/Answer Session with the Following:  
\_\_\_\_Abstractor \_\_\_\_Aerial Photography Firm  
\_\_\_\_Assessor \_\_\_\_Attorney \_\_\_\_Mapping Contractor  
\_\_\_\_Recorder \_\_\_\_Rep from Department of Natural Resources  
\_\_\_\_Rep from Missouri State Tax Commission \_\_\_\_Surveyor  
\_\_\_\_Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
13. I would like to see IAAO Course 6 offered this year.  
Yes\_\_\_\_ No\_\_\_\_
- 14a.\_\_\_\_I would like to continue the regional workshops.  
  
b.\_\_\_\_I would like one workshop in a central location.
15. I would like the workshops to be:\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please remember that the above questionnaire must be forwarded to the Missouri Mappers Association prior to April 1, 1990. Thank you.

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Mail to: Missouri Mappers Association  
P.O. Box 1692  
Jefferson City, MO 65102



# MISSOURI MAPPERS ASSOCIATION

P.O. BOX 1692  
JEFFERSON CITY, MISSOURI 65102

## OFFICERS

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(816) 582-3113

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DIVISION OF GEOLOGY & LAND SURVEY  
P.O. BOX 250  
ROLLA, MO 65401-0250  
(314) 364-1752

**DAWSON HEATHMAN; DIRECTOR**  
LAFAYETTE COUNTY ASSESSOR  
LAFAYETTE COUNTY COURTHOUSE  
LEXINGTON, MO 64067  
(816) 259-4315

The Missouri Mappers Association has the following membership categories: (check one)

\_\_\_\_\_ Regular Member - Mappers, mapping supervisors, assessors and those persons involved in mapping.  
\* \* \* Annual Dues: \$ 10.00 \* \* \*

\_\_\_\_\_ Subscribing Member - Persons or firms, not eligible for regular membership, that are interested in property mapping.  
\* \* \* Annual Dues: \$ 25.00 \* \* \*

\_\_\_\_\_ Student Member - Students at a university, college, trade or other equally recognizable school, not eligible for regular or subscribing membership, that are interested in property mapping.  
\* \* \* Annual Dues \$ 5.00 \* \* \*

Send mail to: \_\_\_\_\_ Office \_\_\_\_\_ Home

\_\_\_\_\_  
Last Name First Middle

\_\_\_\_\_  
County or Company Name

\_\_\_\_\_  
Office Address Telephone

\_\_\_\_\_  
City State Zipcode

\_\_\_\_\_  
Home Address Telephone

\_\_\_\_\_  
City State Zipcode

Professional Organizations with which you are associated:  
\_\_\_\_\_

I hereby make application for membership in the Missouri Mappers Association. If admitted, I will abide by its by-laws and support its objectives. I have enclosed my membership dues with this application.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Mail application and dues to the

MEMBERSHIP COMMITTEE

**PIRRIE & ASSOCIATES, Inc.**  
SURVEYORS AND MAPPERS

**ROBERT V. PIRRIE**  
REGISTERED LAND SURVEYOR  
STE. GENEVIEVE COUNTY SURVEYOR

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Mary Ann Kaiser  
Vice President



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Building 5, Suite 100  
409 Vandiver Dr.  
Columbia, MO 65202

(314) 443-1666



**M.J. HARDEN ASSOCIATES, INC.**

**Don Cleveland**  
Director of Sales

MAPPING THE  
COURSE FOR  
CREATIVE SOLUTIONS

**816-842-0141**

720 Troost  
Kansas City, MO  
64106

## BUSINESS CARD ADVERTISING

It's time once again to send in your business cards. This service is provided free to the membership. The current policy is to publish the cards on a rotating basis as space allows throughout the year.



## MISSOURI MAPPERS ASSOCIATION

P.O. BOX 1692  
JEFFERSON CITY, MISSOURI 65102

Your MMA Dues are not current.  
If you believe an error has been made, please contact: Bob Norris.