



Volume 8, Issue 3, July 8, 1992

# MMA NEWS

MISSOURI MAPPERS ASSOCIATION  
P.O. Box 1692, Jefferson City, Missouri 65102

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## MISSOURI MAPPERS ASSOC. 1992 MEETING

The eighth annual meeting of the Missouri Mappers is being planned. The meeting will be at the Holiday Inn Executive Center in Columbia, Missouri on August 13 and 14. Plans are for full day activities on Thursday and part of the day on Friday.

The full Thursday and Friday registration fee for the meeting is \$55.00 for regular members and \$50.00 for student members. All registration fees include the yearly membership dues. Additional tickets for the Thursday lunch are \$10.50 each; Thursday evening meal \$21.00 each and Friday breakfast is \$9.50.

Rooms have been set aside at a special rate for Wednesday and Thursday evenings, so be sure to mention MMA when you call the motel at: 314-445-8531.

Please make plans to attend the 1992 Annual Meeting by sending in your registration now. Help us to make this a great meeting.

We are all looking forward to the Banquet and Casino Night!

## JULY WORKSHOPS

As the saying goes "better late than never", is the best excuse we can come up with on the July Workshops. We tried to put something together in February, then May, but to no avail. Finally everything fell into place.

The July Workshops are designed around: 1) The D.N.R. Land Survey Documentation System; Jim Matlock, Instructor. 2) Time Saving Mapping Equipment and Getting the Most from Your Mapping Department; Carl and Rick Sohn, Instructors. 3) The October 1991 workshops consisted of basic mapping & aerial interpretation-Carl Sohn and Kathy Edwards were the instructors. 4) The June 1991 workshops focused on highway right of way plans, inking techniques and pen care-Mike Epperson, Missouri Highway Transportation, Carl and Rick Sohn instructors.

Many thanks to all the volunteers who helped with registration, setup and phone calls. We couldn't have done it without you! We need suggestions for future workshops! Please submit your ideas in writing at the annual meeting.

Hope to see everyone at the meeting.

Kathryn Edwards, Education Chairperson  
Carl Sohn, Director



## SCHOOL DISTRICT LINES: A CASE HISTORY by KEN EFTINK, PPM

Missouri mappers often find themselves reestablishing boundary lines that greatly affect individual lives and entire communities. All too often these lines are not based on accurate written descriptions but the mapper's interpretation of old plats, maps, and drawings. The boundary lines referred to are school district boundary lines. The purpose of this article is to share one County's experience with a recent court case that went before the Circuit Court and then to the Missouri Court of Appeals. It will include a review of how our current school district's lines were established, how they change, facts considered by the Courts, and some common sense ideas for reestablishing school district lines.

To the average person, the precise location of a school district line is not a particular concern, but when the daddy of a high school cheerleader who is also a candidate for prom queen comes in to talk to you because you say she is going to the wrong school, believe me, you have a life threatening situation on your hands.

To the local school board, the school district line has a different meaning. The district line does two things. Number one, it establishes the total area from which the district is able to receive tax revenue. Number two, it establishes the area from which they are able to draw students. These two elements are crucial for the survival of the district.

I would like to share a little story with you about how critical the location of the school district line can be for generating tax revenue.

Our County was fortunate enough to have a major industry locate in a rural area. The industry came in and constructed a new building which put about 40 acres under roof. The building contained offices, production lines, and warehouse space. The assessed value on the property generated a substantial amount of revenue for the taxing entities. As fate would have it, the building was located in the vicinity of the boundary line between two school districts. Both school districts felt like they had a claim to the industry. To make a long story short, the two school districts went to court to settle the issue.

This incident took place prior to reassessment so the assessor and the Court did not have access to aerial photographs and parcel maps. A great deal of research was done to establish the precise location of the district line and, sure enough, the line split through the building. Surveyors were sent out to prepare a plat delineating exactly where the line

went through the building and the total square footage in each district. The assessor took the plat and determined the proper valuation for each district.

As mappers, we are dedicated to creating maps that accurately show school district lines. The office for which most mappers work is required by Missouri State Statute to determine each taxing district a parcel is in. A single parcel is in a number of overlapping districts such as school, library, fire, road, and drainage districts. Many times the value of a parcel is affected by the districts in which it is located.

The lines we reestablish often times are the starting point for all the tax data generated on a parcel. Many people rely on the quality of our work and we take pride in what we do. We know that many of the maps we create today will still be referred to long after we are gone just as the maps we pulled from the dungeons of the courthouse and scrutinized with a magnifying glass were created by our ancestors.

The County hired a mapping contractor to prepare orthophoto base maps and parcel map overlays for reassessment. A great deal of information was provided to the contractor including the existing tax roll and a county plat map with the school district boundaries outlines on it. The County contained all or portions of seven different school districts. The mapping contractor was to delineate the school districts lines on the new parcel maps. As the contractor started to prepare the maps, he ran into discrepancies between the tax roll and the County school district map. Further review of the information indicated that neither the school district map nor the tax roll could be used to determine the location of the school district line. It became apparent that other sources of information were going to have to be found in order to reestablish the school district lines.

The County mapping department set out on a fact-finding mission to gather the information necessary to reestablish the district lines. We searched the Courthouse for any documents we could find relating to the schools. We also contacted the school districts for any information they had and we visited the State Board of Education in Jefferson City to review their files on the subject. What we discovered was that there was no one reliable source that could tell us where the lines were located. Instead we found pieces of information covering a 100-year time span that had to be compiled to recreate the school district boundary line.



# Registration Form - 1992 MMA Annual Meeting

August 13 & 14, 1992 • Holiday Inn Executive Center, Columbia, MO

Please register me as follows:

(Every employee of an attending firm or company will need to register individually)

Thursday and Friday Registration Regular Member \$55.00 Student Member \$50.00

(Includes lunch, banquet, breakfast)

Rooms for the Annual Meeting have been set aside at a special rate for Wednesday and Thursday evening. Rates are single or double occupancy, up to for in a room for \$55.00 plus tax. Individuals may contact the motel for reservations before July 15, 1992 to be assured of obtaining room. After the 12th they will be provided on a space available basis. Holiday Inn # 314-443-8531 y43 /

**\*ALL ANNUAL MEETING REGISTRATIONS INCLUDE YEARLY DUES\***

Additional Tickets for Spouse/Guest (Available until August 10, 1992, only)

Thursday Lunch . . . . . \$10.50

Thursday Evening Meal . . . . . \$21.00

Friday Breakfast . . . . . \$9.50

Please complete and mail prior to July 15, 1992. Registration fee should accompany form.

Make checks payable to: Missouri Mappers Association

Mail to: Randall Mayden, % MJ Harden, 720 Troost Ave., Kansas City, MO 64106

Full refunds will be made for cancellation requests prior to August 3, 1992.

A cancellation fee of \$15.00 will be charged for requests received on or after August 3, 1992.

## OUTSTANDING MAPPER OF THE YEAR - 1992

The "Outstanding Mapper of the Year" award is to be presented yearly at the Annual Meeting and is to honor an individual who has displayed outstanding qualities in the cadastral mapping field. Nominations will be accepted by employers

or peers, with the Awards Committee reviewing the applications and making a recommendation to the officers and board of directors for the award winner.

### APPLICATION

Name of Nominee: \_\_\_\_\_

Employer: \_\_\_\_\_

Employer's Address: \_\_\_\_\_

\_\_\_\_\_ phone: \_\_\_\_\_

I believe this person should be nominated for Outstanding Mapper of the Year because \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mail application to:

Jim Matlock  
Mo. Dept. of Natural Resources  
Division Of Geology Land Survey  
P. O. Box 250  
Rolla, MO 65401-0250

Signed: \_\_\_\_\_

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

Telephone: \_\_\_\_\_

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| NAME           | TITLE | JURISDICTION/FIRM |
|----------------|-------|-------------------|
| Work Address   |       | Home Address      |
| Work Phone     |       | Home Phone        |
| City State Zip |       | City State Zip    |

**\*ALL ANNUAL REGISTRATIONS INCLUDE YEARLY MEMBERSHIP DUES\***  
1992-1993 Membership Dues

- ☐ I will be unable to attend the 1992 Annual Meeting, but I wish to remain a member.
- ☐ Enclosed is my check for \$10.00 for my 1992-93 dues.

Please complete and mail prior to August 1, 1992.

Make checks payable to Missouri Mappers Association.

Mail to: Fred McGruder  
P. O. Box 1692  
Jefferson City, MO 65101





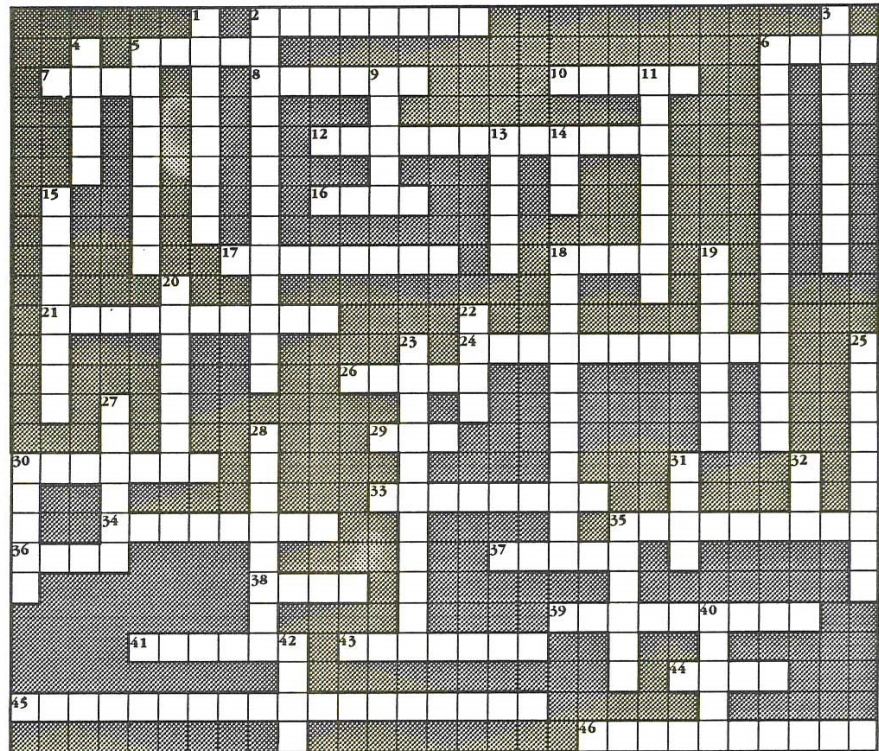
# MMA CROSSWORD

## Across

2. An imaginary line from pole to pole.
5. A mark on a tree.
6. A plot of ground.
7. The prime meridian.
8. From the place.
10. The name of an article showing ownership.
12. A photo base map.
16. The figure most commonly seen in an Array.
17. A person's name most associated with Missouri Mapping.
18. An elevation map.
21. The transfer of ownership.
24. More or less.
26. Transfer of real property by deed.
29. Work index card. (abb.)
30. Direction of a line.
33. Place of the annual meeting (town)
34. The act of adding.
35. Denotes absolute ownership (2 words)
36. The designation of visible natural objects, course, distance of other matter of description as limits of boundaries.
37. Master map set.
38. Largest producer of maps in the United States. (abb)
39. Distance measured in degrees east or west.
41. A tract of land under one ownership.
43. Small items of information (shown on a map by lines, symbols and lettering)
44. The direction towards the rising sun.
45. Hotel where annual meeting is held. (4 words)
46. Last date of annual meeting.

## Down

1. \_\_\_\_\_ direction is either due north, due east, due south, or due west.
2. Description of a parcel by bearing, distance and land reference. (3 words)
3. A type of map used by assessor.
4. Denotes a secondary call.
5. A line that makes the outermost exterior of an area.
6. The art of obtaining measurements and information from photographs.
9. A straight line connecting the tangents of a curve.



11. The process of locating.
13. A vertical column of townships in the rectangular survey system.
14. Property record card. (abb)
15. Near or close to.
18. Of or relating to land as distinct from air and water.
19. Imaginary line separating the earth into a northern and southern hemisphere.
20. One square mile block of land.
22. Factual information used as a basis for calculation.
23. Time to have fun with gambling at the Annual Meeting. (2 words)
25. A short cut to mapping.
27. Air photography.
28. Distance in degrees north and south of the equator.
30. A square or portion of a city enclosed by streets.
31. Evidence in writing of an executed contract for a sale of land.
32. A representation of all or part of the celestial sphere.
35. A type of curve.
40. An indefinite stretch of land.
42. A one-hundreth of a surveyor's Chain.

LOOK FOR ANSWERS  
IN THE NEXT ISSUE OF MMA NEWS

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# ANSWERS TO THE GENUINE, UNOFFICIAL MISSOURI TRIVIA QUIZ

1. Arkansas, Oklahoma, Kansas, Nebraska, Iowa, Illinois, Kentucky, Tennessee
  2. St. Joseph
  3. He had no middle name, just the initial "S"
  4. Rome
  5. Florida, Missouri
  6. The 630-foot Gateway Arch in St. Louis
  7. The Battle of Wilson's Creek, near Springfield; the site is preserved today as part of a National Battlefield
  8. Near Jamesport in northwest Missouri, where visitors can tour the Amish farmlands and sample Amish-style country cooking
  9. The ice cream cone
  10. Daniel Boone, who came to Missouri in 1799; the Boone home at Defiance still stands
  11. In southwest Missouri's Ozark Mountain Country, from Springfield to Branson/Lakes area
  12. The bluebird
  13. New Madrid, in southeast Missouri's "bootheel" area
  14. She wrote them at Rocky Ridge Farm in Mansfield, Missouri between 1932-1943
  15. The career of outlaw Jesse James
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