

MISSOURI MAPPERS ASSOCIATION

VOLUME 22, ISSUE 1

JANUARY 2006

LETTER FROM THE PRESIDENT, RANDY LEWIS

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Maramec Springs, as well as Montauk State Park are just a short drive from Rolla. Spring Turkey Season for the youth hunt is April 8th and 9th. And, the season for the adults is from April 24th to May 14th. For bag and creel limits you can look on the Missouri Department of Conservation web page: www.mdc.mo.gov

Randy Lewis.
President

I hope everyone had a good Christmas vacation. And a Happy New Years.

I would first like to start out about our Annual Meeting that will be taking place at the same location as before Lake of the Ozarks. The agenda is still being worked out, and final decisions will be made at our March 3rd meeting at the Phelps County Court House. Katie Shepherd the Chairperson for the annual meeting will have more info on this, in this newsletter. The dates for the annual meeting are August 7-10. So please mark your calendar, and please put it in your budget to attend. I do know that some classes we had last year, might be offered this year. Also a memo to the counties, I know

some of you feel that appraisals and other office duties are important, but you must realize that if it is not for mapping you would not be able to operate your office in the way that it functions today. We offer excellent classes for all to take, which will make your office much more productive. Mapping is everything; it is the foundation of this State and Country. So please make sure that once you look at our agenda of workshops, that you send your employees to attend. It is not a party - it is an education to maintain the mapping foundation of this state and your county. If you have suggestions as to what you would want offered at the

meeting, please e-mail me at almapmkr@hotmail.com before our March 3rd meeting.

To the Counties, Surveyors, developers and others: You have very few weeks left to fly your county for orthos, contour mapping, etc. I realize as a land surveyor that we always think about doing it, but time slips away and all too soon, leaves come on. This is just a reminder, and when you do get your bids back, I hope that you would consider a vendor that helps and supports this organization.

Also before I leave I have to offer some important dates to remind you of. Trout season starts March 1st, I know the next meeting is the 3rd, but

In today's tight budget environment, GIS decision makers are increasingly being asked to do more with less. Since its introduction in 1998, ImageAmerica's low-cost, high resolution digital ortho solution has been allowing customers nationwide to do just that. With industry leading prices, quick, guaranteed delivery times, high positional accuracy and outstanding customer service, ImageAmerica is quickly becoming the digital ortho solution of choice.

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HISTORICAL COMMITTEE REPORT

Belinka Novotny-Held, Committee Chair

The historical committee is looking for someone to be the official MMA photographer. Duties would include taking photos at the annual meeting and documenting the guest speakers, exhibitors, award recipients, election of new officers, and the MMA members while learning new and innovative things. Please contact me at bheld@jcao.org for additional information.

AWARDS COMMITTEE REPORT

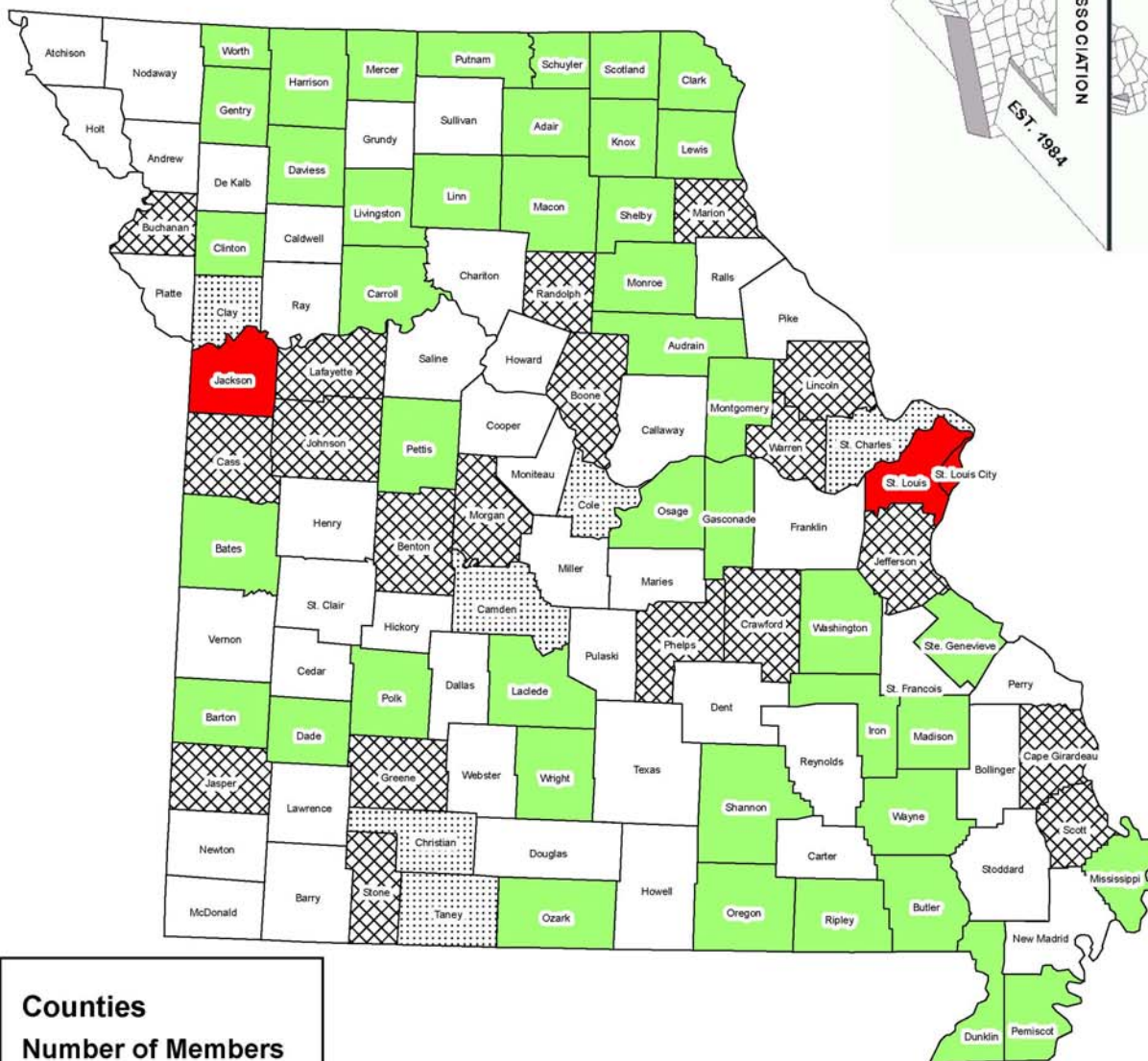
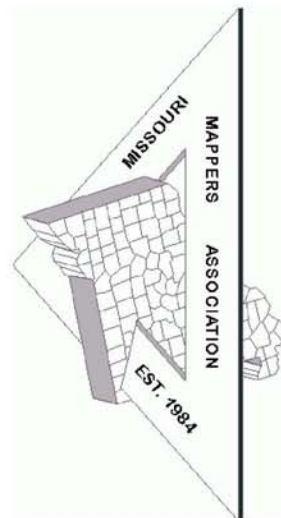
The awards committee is currently seeking nominations for Mapper of the Year and Boss of the Year. Mapper of the Year and Boss of the Year applications are included in the newsletter. If you would like an award created to honor an MMA member contact the awards committee. Please submit your nominations and ideas to bheld@jcao.org.

Respectfully submitted,

Belinka Novotny-Held

Awards Committee Chair

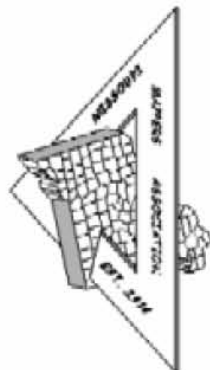
Missouri Mappers Association Total Number of Members Per County



Counties
Number of Members

- 0
- 1 - 3
- 4 - 7
- 8 - 11
- 12 - 16





OUTSTANDING BOSS OF THE YEAR APPLICATION

The "Outstanding Boss of the Year" award is presented at the Missouri Mappers Association annual convention. It is presented to honor the "Top Boss" who has displayed Nominees must be a current member of MMA, have been a member for at least one year, and be technically proficient in mapping techniques and standards. Nominations should explain why the nominee merits this award. Nominations will be accepted through June 1, 2006.

Name of Nominee: _____

Employer: _____

I believe _____ should be nominated for
"Outstanding Mapper of the Year" because _____

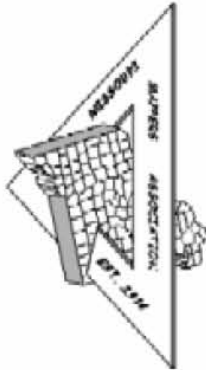
(Continue on additional sheet if needed)

Signature: _____

Phone Number: _____

Email address: _____

Mail Application to: bheld@jcao.org or
Belinka Novotny-Held
9801 Held Rd.
Hillsboro, MO 63050



OUTSTANDING MAPPER OF THE YEAR APPLICATION

The “Outstanding Mapper of the Year” award is presented yearly at the Missouri Mappers Association annual convention. The award is designed to honor an individual who has displayed outstanding abilities in the mapping field. Nominees must be a current member of MMA, have been a member for at least one year, and be technically proficient in mapping techniques and standards. Nominations should explain why the nominee merits this award. Nominations will be accepted through June 1, 2006.

Name of Nominee: _____

Employer: _____

I believe _____ should be nominated for
“Outstanding Mapper of the Year” because _____

(Continue on additional sheet if needed)

Signature: _____

Phone Number: _____

Email address: _____

Mail Application to: bheld@jcao.org or
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CENTRAL EAST CHAPTER NEWS

The Central East Chapter of MMA met on November 17, 2005 at Ryan's Restaurant in Festus. Our guest speaker was Larry Bollinger, a surveyor with St. Louis County. He delivered an informative lecture titled "Conflicts With Deeds and Surveys". Twenty members attended representing six counties and three businesses.

Our next meeting is currently being planned for April or May. A real estate attorney has been invited to be the guest speaker (confirmation is pending). Plans to tour NGA (National Geospatial Intelligence Agency) were foiled, as they no longer offer tours of their facility.

If you have any suggestions for a guest speaker or want to recommend a tour of a business, please contact us. Also if you would like to be included in our mailing list please send your name, address, phone, and e-mail address to bheld@jcao.org.

Respectfully submitted,

Belinka Novotny-Held

CEMMA President

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Calling All Mappers desiring ArcGIS I and ArcGIS II training

The Education Committee is currently compiling a list of interested mappers. Ten (10) mappers are desired for the each session (one student per computer) tentatively scheduled for February 2006 at the Cuivre River Electric facility in Troy Missouri. Best guess costs per student for an ESRI Certified Instructor: two (2) day **ArcGIS I** class about \$470 and for a three (3) day **ArcGIS II** class about \$705. These best guess prices are substantially lower than normal fees due to the fact that the facility and room space are being provided to MMA at no cost. Each student fee would include the instructor fee, books / materials, and laptop rental.

Seriously Interested Mappers desiring **ArcGIS I** and **ArcGIS II** training should contact Patty Williams at:

Cuivre River Electric Coop
PO Box 160 1112 E Cherry St
Troy, MO 63379
1-800-392-3709 ex 345

Upon the Education Committee finding sufficient interest, additional planning, times, dates, etc. will be determined.

NE Chapter Report

Shane McDermott, GIS Manager with Poepping, Stone, Bach & Associates, Inc. is coordinating a NE Chapter meeting to be held at their office in Hannibal Missouri. There is no date set for the meeting, however it will be held some time in March/April.

There will be presentations, demonstrations, and guest speakers at this meeting. Topics will range from basic mapping to complex GIS systems.

Lunch & refreshments will be provided, compliments of Poepping, Stone, Bach & Associates, Inc.

If you are interested in attending the meeting, or want more information, please contact Shane McDermott at the address below.

Shane McDermott
Poepping, Stone, Bach & Associates, Inc.
801 Broadway, Suite 224
US Federal Building
Hannibal, MO 63401
Email - shanem@psba.com
Phone - 217-242-7546

Membership Report

There was a good response on the membership renewal drive. Currently there are 219 paid members.

There are several not renewed, so if you wish to continue to receive the newsletter, please get your membership renewed as soon as possible. Your mailing label indicates whether or not you are current.

Respectfully Submitted,
Gladys Smith
Membership Chairperson

Job Opening at GE

Survey Crew Chief

The Survey Crew Chief will report to the Field Operations Manager. The job involves the day-to-day field survey operations that include:

- Photogrammetric control surveys using GPS and conventional survey techniques.
- Bench levels using digital and analog auto-levels.
- Setting, referencing, and surveying semi-permanent control points.
- Other surveying tasks as are required.
- Maintenance and repair of survey equipment.

The work involves both instate and out-of-state travel.

The requirements for this position are:

- Ability to lead multiple teams in the field
- Minimum of two years recent (within last four years) and relevant survey crew experience.
- Can lay out and survey a traverse and bench level loop.
- Can proficiently operate a total station and automatic level.
- Is familiar with and has participated in static and RTK GPS surveys.
- Has good driving record.

Can lift and carry 50 pounds.

Desirable

- Land Surveyor Registration in Kansas, Missouri or Arkansas

Knowledge of photogrammetry

To learn more about this position or submit your resume for consideration, please visit www.gecareers.com and search for job # 465975

Upcoming Events

April 20-21, 2006

Illinois GIS Association - Spring Conference
Springfield, Illinois
www.ilgisa.org

April 23-27, 2006

The 10th Biennial MAGIC Symposium
Kansas City, Missouri
<http://magicweb.kgs.ku.edu/>

August 7-10, 2006

Missouri Mappers Association Annual Meeting
Lake of the Ozarks
www.missourimappers.org

See the announcement of page 10 of the newsletter. More information will come soon.

West Central Chapter Report

The West Central Chapter have not had any additional meetings yet, but are trying to plan a meeting in March.

We are in need of a county to host the meeting, as well as any ideas on something special to do. If you have any ideas or comments please contact Marti Suiter:

Marti Suiter, PMM
Hickory County
PO Box 97
Hermitage, MO 65668
417-745-6346

2006 Missouri Mappers Association 22nd Annual Conference

August 7-10, 2006
The Resort at Port Arrowhead
Lake Ozark, MO

RODEO MAPPING!



Preliminary Session Topics

Utility Mapping
Public Access to GIS Data
U.S. Public Land Survey System
Pros & Cons of High Accuracy GIS Data Collection
Guidelines for Drafting a Digital Orthophotography RFP
Lines, Tangents and Bearings...Oh My! Workshop

I'm a *Coordinate*!

We *coordinates* have been around for a long time, and you can find us just about anywhere! We are on the earth's surface, in space, under the ocean, inside computers, and on pieces of paper. We may not be visible to you, but we are there nevertheless. According to Webster's New Collegiate Dictionary, a common definition for a *coordinate* is: any of a set of numbers used in specifying the location of a point on a line, on a surface, or in space.

Webster's operational definition of me may seem a little confusing at first, so I would like to help us become better acquainted. I am sure as you get to know me better, you will welcome me as a valued partner. Really, I am simple in concept, but I am versatile and I have the potential to be used on the most complex of projects.

As a Missouri Mappers Association member, you may find it interesting that some of my extended family resides in Missouri. One particular group of coordinates came into existence around 1933 as part of a coordinate system developed by mathematician Dr. O. S. Adams. Dr. Adam's rectangular coordinate system provided a method by which a curved surface of a relatively large area could be represented on a plane surface - with minimal distortion. Dr. Adam's system was adopted by the Missouri Legislature in 1965 as the official coordinate system for the state of Missouri and named the "Missouri Coordinate System of 1927".

In 1984, the Missouri Legislature took additional action in regard to my extended family. They revised Missouri statutes to include a second group of coordinates known as the "Missouri Coordinate System of 1983". Both systems (1927 and 1983) are defined in the Missouri Revised Statutes (see Chapter 60.401 – 60.491). The Missouri Revised Statutes states in part: The Missouri Coordinate System of 1927 *shall not* be used after July 1990; and *the Missouri Coordinate System of 1983 shall be the sole system after July 1990.*

I am sad to say that, although July 1990 has come and gone, the "Missouri Coordinate System of 1983" is unfamiliar to many professionals - even though my family thought the system would have been fully understood and implemented by now. Recently there has been a surge of renewed interest in this area. This is especially evident when reading the many excellent technical and trade publications available today. This renewed interest and the awareness of the need for advancement is uplifting to me.

Positions can be defined within the "1983 system" at any level of precision that is appropriate to the intended use. Common applications range from centimeter level precision to hundreds of meters. Amazingly, the same coordinates system supports many applications needing different precessions.

A source of quality information may be available at your Records Office. Land Surveyors are often obligated to comply with state regulations and standards. When the surveyor is specifically requested by the client or required by statute, ordinance or regulations to obtain coordinates based on the Missouri Coordinate System of 1983 and to define the position of points on a land boundary...*only coordinates based on the Missouri coordinate System of 1983 may be recorded in any public land record or deed.*

If your city, county, etc. does not currently require or is not using the Missouri Coordinate System of 1983, it is certainly worthy of consideration. Today with the cost-effective data collection equipment, modern computers, etc. that are available there is almost no excuse for failing to reference all new project(s), subdivisions, aerial photography, etc. to some common regional datum. Older projects (*if warranted*) may be upgraded into the common regional datum as well.

Many of today's mappers have entered (*or been thrown into*) the digital mapping arena. Drafting tables, plat books, scales, compass, and pen & ink are being replaced by computer workstations even though computer operators often lack the skills and principals cognizant of current of mapping datums, coordinate systems, and map projection to efficiently function in a digital world.

I encourage each of you to perform an assessment of your mapping skills and needs and consider making appropriate changes. Upgrade or pick your coordinate system that is referenced to the real world. I refer to this real world concept as being MAP GOOD (*sufficient for its intended purpose*) and in addition GROUND TRUE (*tied to an actual location that is field identifiable*).

Sincerely,

MR. COORDINATE

P.S. Questions etc., may be addressed to my Earthling friend located at: Missouri Coordinate System 1983 - East Zone – Coordinates – (North 318,805.5713; East 257,482.2572) or by E-mail - LBollinger@stlouisco.com

If you have interesting or funny stories or pictures that you would like to submit for the newsletter, please email them to Shane McDermott at shanem@psba.com. Thank you.



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Fax 319/524-7720

email - shanem@psba.com
web- www.psba.com

TREASURER'S REPORT

December 31, 2005

Treasurers Report

Beginning Balance 10/01/2005 **\$16,598.12**

Receipts

Dues **\$785.00**

Advertising **\$500.00**

Interest Earned **\$13.94**

Total Receipts **\$1,298.94**

Beginning Balance + Receipts **\$17,897.06**

Disbursements

Staples (ledger pad) **\$8.12**

Dan Roe (Mileage) **\$54.00**

Randy Lewis (Mileage) **\$77.40**

PSBA (Newsletter) **\$192.00**

Burnett & Assoc. (Lobby Contract) **\$3,000.00**

Postmaster (Stamps) **\$7.40**

MO Assessors Assoc. Ad **\$120.00**

Regions Bank (Monthly Fees) **\$26.77**

Total Disbursements **\$3,485.89**

Balance December 31, 2005 **\$14,411.17**

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April 23 - 27, 2006

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Publication Committee Report

The January newsletter will be mailed out to around 225 individuals and corporations this month. We have a total of 11 advertisers that brought in \$675 for this issue. In 2005, total advertising revenue reached \$2727, which is a \$600 increase from the year before.

If you have any articles, news clips, pictures, or other items that you would like to see submitted in the newsletter, please contact Shane McDermott at shanem@psba.com or 217-223-4605. Thank you.

Shane McDermott

Publication Chairman

GIS For a Better World



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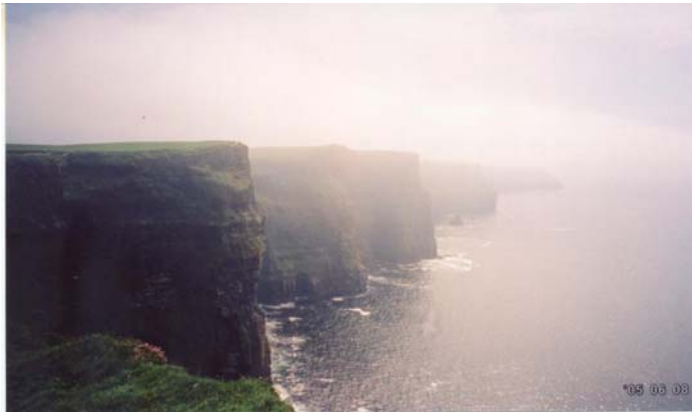
Education Committee Report

The education committee has a lot of information out there for you with this issue. We hope that you enjoy Larry Bollinger's article on "I'm a Coordinate".

We also have information on an upcoming class on Introduction to Arc GIS I & Arc GIS II. The class will be limited to the first 10 people that sign up and pay for the class. It will be held at Cuivre River Electric Coop in Troy, MO March 6-10. Upon receipt of your paid registration, you will receive a confirmation letter with hotel information. The class will be instructed by Tony Spicci and Mark Duwell. If there are enough interested people, we may offer the class a second time at a later date.

Patty Williams

Education Committee Chairman



Guess the location of this photo (and be as specific as you can), and win a prize. First correct guess wins. Send your guess in by email to Shane McDermott at Poepping, Stone, Bach & Associates, Inc.

shanem@psba.com

Good Luck!

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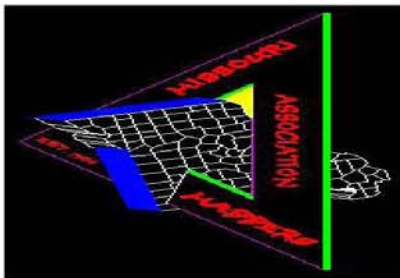


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MISSOURI MAPPERS ASSOCIATION

ArcGIS 1 and ArcGIS 2 Course Registration March 6-10, 2006 Troy, Missouri

ArcGIS 1 Course Dues \$470.00 - Welcome to ArcGIS®. Here begins the foundation for becoming a successful ArcView®, ArcEditor™, or ArcInfo™ user. This course covers fundamental GIS concepts as well as how to query a GIS database, manipulate tabular data, edit spatial and attribute data, and present data clearly and efficiently using maps and charts. Participants learn how to use ArcMap™, ArcCatalog™, and ArcToolbox™ and explore how these applications work together to provide a complete GIS software solution.

ArcGIS 2 Course Dues \$705.00 - Extend what you learned in Introduction to ArcGIS I with further exploration of ArcMap and ArcCatalog. This course focuses on spatial analysis, automation of spatial and attribute data, editing, and advanced options for cartographic display. A portion of the class is reserved for carrying out an analysis project and applying many of the new skills and techniques learned in this course. Participants conduct queries, perform spatial analysis, and present their results in a hard-copy map.

Combination ArcGIS 1 and ArcGIS 2 Course Program \$1,075.00

Please Complete The Following ArcGIS 1 & 2 Course Registration:

Last Name	First Name	Middle Initial
-----------	------------	----------------

Government Organization, Company or Consultant Name

Employment Address	City	State	Zip Code
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Home Address	City	State	Zip Code
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Home Telephone	Work Telephone	Mailing preference _____ Home _____ Work
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Email address _____

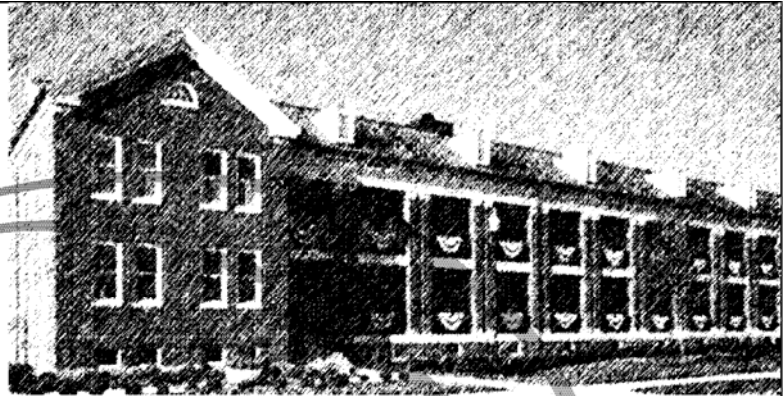
Professional organizations with which you are associated: _____ I.A.A.O. _____ U.R.I.S.A. _____ M.S.P.S.

Other Organizations: _____

Registration due by **February 20**. Make checks payable to: **MMA**. Please mail registration and dues to:
Mrs. Patty Williams, Cuivre River Electric Cooperative, P.O. Box 160, Troy, MO. 63379


For information on the ArcGIS 1 & 2 Courses please call:
Mrs. Patty Williams, Cuivre River Electric Cooperative, 1-800-392-3709 Ext. 345

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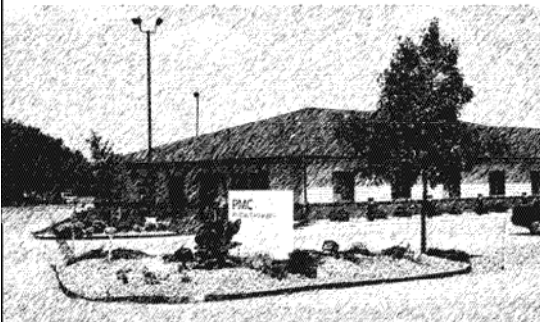


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Do You Remember What Missouri Looked Like 50 Years Ago?

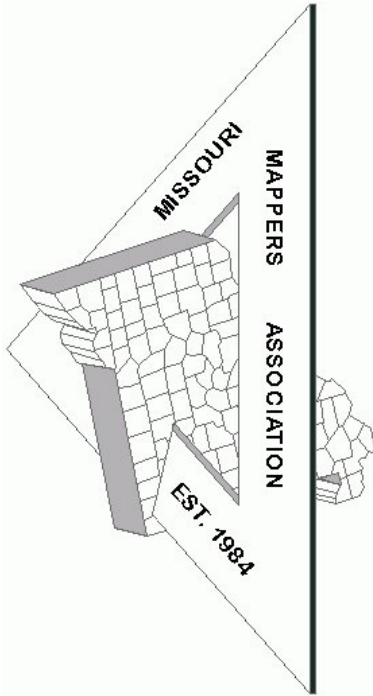
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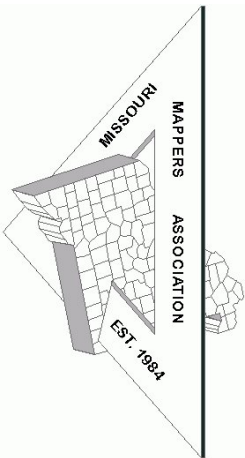
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Business Card	3 Issues - \$25
1/4 Page	3 Issues - \$100
1/2 Page	\$50 per Issue
Full Page	\$100 Per Issue

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ARTICLE AND NEWS SUBMISSIONS

Article and news submissions for topics that cover issues that are important to all of us can be sent via email or snail-mail to the following address for consideration for future publications.

Shane C. McDermott, GISP
Poepping, Stone, Bach & Associates, Inc.
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Quincy, IL 62301
217-223-4605
shanem@psba.com