

# CELEBRATING **25** YEARS MAPPING MISSOURI

## Letter from the President

### Welcome to Spring 2009!!

This President's Letter is coming to you from your MMA Vice President. Frank is recovering from a recent surgery and he has asked me to fill in for him until he returns. So, it looks like you're stuck with me for this issue.



A lot has happened since our last newsletter issue in January. Probably the most significant were Missouri Senate Bill 384 sponsored by Senator Brad Lager and the MMA Constitution & By-Law review by the Executive Board.

#### SB384:

I learned of this bill on Monday March 2, 2009 when Frank Adam forwarded it to me in an e-mail. Frank also discovered that a set of "Minimum Standards" for Missouri GIS Cadastral Mapping was in draft stages that could be used as a basis during the rule making process if Senate Bill 384 passes. These draft standards are a retooling of the Property Ownership Mapping Guidelines that were promulgated by the Missouri State Tax Commission in the early 1980's for the purpose of consistent mapping throughout the state.

After several meetings in Jefferson City, countless e-mails & telephone conversations over a five week period voicing various concerns from various organizations over the wording of the bill, SB384 was re-worded. As a result of the re-worded bill and as consistent with our vote at our April 3<sup>rd</sup> Board meeting, I submitted a letter on April 6<sup>th</sup> to Senator Lager's office that the Missouri Mappers Association supports the re-worded bill. It is my understanding that the Missouri Assessors Association and the Missouri GIS Advisory Committee also submitted letters of support of the re-worded bill.

Senate Bill 384 is available for you to review on our Web site. The "Minimum Standards" for GIS mapping is currently in draft stages and will be available to all stakeholders for input in the preparation of the final document. More details will follow.

#### Proposed Constitution Amendment:

The Executive Board of Directors has reviewed our Constitution and recommends two amendments to it. Our Constitution states the following:

*The Constitution may be amended by a majority vote of all voting members in good standing present and voting at the annual meeting, provided that notice and a copy of any proposed amendment shall have been sent to all members by mail, not less than fifteen (15) days prior to such meetings. All proposed amendments shall be submitted to the Executive Committee for its review, no later than 60 days in advance of the annual meeting.*

#### By-Law Amendment:

The Executive Board of Directors also reviewed our By-Laws and amended by Executive Board of Directors vote three changes to it as authorized in our Constitution. Our Constitution Article III, Section 2 states:

*The governing body of the Association shall be Executive Committee and it shall have the power to pass any resolution or bylaw it may deem necessary to accomplish the objectives of the Association which is not in conflict with*

Continued on Page 2



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FOR MORE INFO  
ON THE AN-  
NUAL CONFER-  
ENCE!!!  
ALSO SEE PAGE  
3 FOR INFO ON  
THE RURAL GIS  
SUMMIT!**

## *Situation Wanted*

### **Cadastral Mapper seeking public or private position.**

Nine years experience, eight years solo with 135,000 parcels in major urban county. Hardworking, flexible, honest, reliable and team-oriented with diverse technical background. Mostly AutoCAD experience.

Contact Steve at bluebird5724@sbcglobal.net or  
314-646-1883 (home) or 314-304-6711 (cell)

### **Executive Board Meetings**

The next meeting of the MMA Board will be held on July 31, in conjunction with the MMA Annual Conference. **All members are encouraged to attend!!!**  
**See Conference Registration material for more information.**

### **Certification Committee**

The Certification Committee is glad to report that there are two applicants who qualified to take the PMM exam. Jeff Davis will administer the test in Boone County on April 11. Successful applicants will be notified at the Annual Conference during the business meeting on Friday morning.

Respectfully,  
Belinka Novotny-Held, PMM

### **Continued from Page 1**

*any of the revisions of this constitution or resolutions or bylaws adopted in meeting of the Association.*

Our Section 7 By-Laws also states:

*The Bylaws may be amended by vote of the Executive Committee, as provided by Article III, Section 2, of the Constitution.*

The proposed changes to the Constitution and the current By-Laws can be found on the right side of our home page Web site directly under "MMA Board Members". It will also be sent to you in late May with the Annual Conference notification. Please be prepared to vote on the amendments to the Constitution at our Annual Meeting.

### **25<sup>th</sup> Annual Conference:**

Our 25<sup>th</sup> Annual Conference will be held at The Resort at Port Arrowhead, Lake Ozark, Missouri on July 28<sup>th</sup> – 31<sup>st</sup>, 2009.

The Port Arrowhead Web site is <http://www.theresortatportarrowhead.com/index.php>. Be sure to mention our special rates when you book your lodging reservations. The room rate is \$94 plus \$3.00 Resort Fee plus tax. Annual Conference registration forms and other pertinent information are included in this newsletter.

I will close with a "Get Well Wish" to Frank. I am sure all of you send the same message. If any of you would like to send him a card, please call or e-mail me. I encourage you to contact me on other MMA matters as well. I will do my best to serve MMA and its members in Frank's absence.

Respectfully submitted,  
Don Cleveland, CP  
MMA Vice President  
816-525-1161

## Education Committee

I recently sent out an e-mail about interest in future IAAO 601 Courses and if there were any other courses that MMA members would like to see in the future outside of the conference or at the conference to please contact me with those ideas.

I am in the process of contacting Missouri and Kansas Assessors to also get their feedback on future courses that would pertain to their continuing education.

The second e-mail I sent out was to inform MMA members and other GIS users in Missouri about the Rural GIS Summit that Pam Kelrick is coordinating for May 20<sup>th</sup> and 21<sup>st</sup> 2009 in Kirksville, MO.

A suggestion from one of the MMA members was also to offer some basic to intermediate GIS topics or courses outside or at the July MMA Conference.

Hopefully by the July MMA conference or at the conference with the boards help we can recruit a few more people for the education committee.

As a side note for the July Conference: Scott Smith and I will be hosting the GPS Geocaching/TerraSync talk in the morning and in the afternoon a Field to Finish GPS to GIS/CAD workshop.

Thanks,  
Jay Riester  
MMA Education Committee Chair  
314-218-6321  
[jriester@seilerinst.com](mailto:jriester@seilerinst.com)



Geographic information technology (GIT) has been developing in technology-centered areas, such as urban centers and academic institutions, for decades. These technology centers, however, represent a relatively small fraction of the land area in most states; certainly this is true for Missouri and Iowa. There is a critical need to have accurate and consistent information to fill in these data gaps for all stakeholders. Rural communities, however, are only recently facing the leap to geospatial technology. Unique considerations influence geospatial development and maintenance in rural communities.

As rural communities come on-line with geospatial information, more opportunities must be created for education, outreach and support. The need for basic training, management and development of geospatial programs in small, isolated communities has not been meaningfully addressed by the existing opportunities. For many rural communities, technology literacy and skill are often relatively low, and therefore understanding of technology and its merits are likewise low. Even for those with local technology skills, maintaining trained personnel is challenging due to better paying geospatial jobs in urban areas. Moreover, understanding and misunderstanding of the details of geospatial contracts (i.e. imagery, data development solutions, software licensing) has had a 'souring' effect on the willingness of some communities to engage in GIT. We propose a locally-based outreach program ('Rural GIS Summit') to focus attention on and support for underrepresented communities in the GIT landscape.

## AWARDS COMMITTEE REPORT

The awards committee is currently seeking nominations for Mapper of the Year and Boss of the Year. Applications are included in the newsletter. The awards committee is also seeking nominations from the board for the Fireball Award. Please help the awards committee honor members who have done an outstanding job this year by submitting your nominations. All nominations must be received by June 1, 2009.

Respectfully submitted,  
Lisa Chapman  
Awards Committee Chairperson

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### Josie Bock, Secretary Biography

Springfield, MO is where I call home, with my husband, Mike, and our almost one year old son, Adam. I have been the GIS Manager at Great River GIS, a division of Great River Engineering, for the past four years.

I grew up in Bartlesville, Oklahoma and attended college at the University of Oklahoma, (Go Sooners!) where I obtained my Bachelors degree in 1997 and Masters degree in 1999 in Geography with an emphasis in GIS. I have been working with GIS for over 13 years in such fields as oil and gas, transportation and comprehensive planning, air quality, military mapping, environmental modeling, cadastral mapping, surveying, engineering, and web mapping applications to name a few.

I have been a member of the Missouri Mappers since 2005, and have recently been given the opportunity to serve as both the MMA Secretary and Conference Committee Chair for the 2009 Annual Meeting. I have really enjoyed getting to work with such a great group of people.

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# Workshop Information

## Registration Information:

Registration fee is \$175 for MSPS Members and \$300 for Non-members. Deadline for registration is April 24, 2009. After this date, a 10% processing fee will be added to registration fees.

The fee includes instructional materials, refreshment breaks, luncheon on both days, cocktail reception and two continental breakfasts.

To register, complete the attached form and mail it with your check to: MSPS, 722 East Capitol Ave., P.O. Box 1342, Jefferson City, MO 65102. For more information on this course, call Sandra Boeckman at 573-635-9446.



**SPECIAL RATE for Technicians:** A special rate of \$150 is available for non-licensed technicians (Associate Members of MSPS). Registration fee plus 2009 Associate Membership is \$185.00. Call MSPS for details at 573-635-9446.

## Golf Tournament: (Scholarship Fundraiser)

Register to play in the Golf Tournament Fundraiser for the MSPS Scholarship Fund to be held at The Ridge Golf Course, Lodge of Four Seasons beginning at 12:30 pm. \$85 per person which includes two mulligans.

## Location and Lodging:

A block of rooms has been reserved at the Lodge of Four Seasons at Lake Ozark, Missouri, at a rate of \$90.00 for single or double occupancy. Deadline for reservation is April 6, 2009. Make your reservation by calling the Lodge of Four Seasons at 888-265-5500.

## Cancellation Policy:

MSPS reserve the right to cancel the program and return all fees in the event of insufficient registration. A participant may cancel a registration up to two weeks before the course date and receive a full refund. **NO REFUNDS AFTER APRIL 24, 2009.**

## Registration Fees:

MSPS Members	\$175.00
Non-Members	\$300.00
Technicians ( <i>Associate Members</i> )	\$150.00
Techs + Associate Membership	\$185.00
Golf ( <i>per person</i> )	\$ 85.00

Please Type or Print

## Conference Registration

To register,  
detach and  
mail to:  
**MSPS**  
PO Box 1342  
Jefferson City, MO  
65102  
Phone: 573/635-9446  
Fax: 573/635-7823  
Email:  
msp@missourisurveyor.org

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

Firm: \_\_\_\_\_

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

Office Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

RLS No: \_\_\_\_\_

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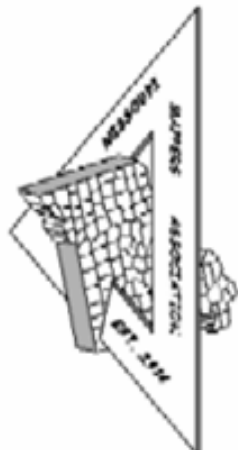
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Street Address: \_\_\_\_\_

Total Amount: \_\_\_\_\_ Zip Code: \_\_\_\_\_

**Registration Deadline:**  
**April 24, 2009**

**Make checks payable to MSPS — Advanced registration is necessary**



## 2008-2009

# 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.

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

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

I believe \_\_\_\_\_ should be nominated for

“Outstanding Mapper of the Year” because \_\_\_\_\_

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(Continue on additional sheet if needed)

Signature: \_\_\_\_\_

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

Email address: \_\_\_\_\_

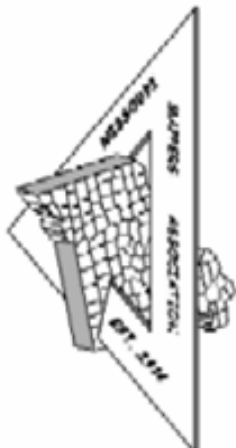
Mail Application to: [lisac@casscounty.com](mailto:lisac@casscounty.com) or

Lisa Chapman

Cass County GIS Department

102 E. Wall St.

Harrisonville, MO 64701



# 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 outstanding leadership abilities. Nominees must be a current member of MMA, has 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.

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

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

I believe \_\_\_\_\_ should be nominated for "Outstanding Boss of the Year" because \_\_\_\_\_

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(Continue on additional sheet if needed)

Signature: \_\_\_\_\_

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

Email address: \_\_\_\_\_

Mail Application to: [lisac@casscounty.com](mailto:lisac@casscounty.com) or  
Lisa Chapman  
102 E. Wall St.  
Harrisonville, MO 64701





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Randy Mayden 913.981.9515  
Mike Kallas 913.981.9525

## IT Committee Report

1. A web site review will get done in the next few weeks – dated material will be archived.
2. A portable laptop classroom will be supplied by MSDIS for conference workshops.
3. A considerable amount of information is now regularly being posted to the web site so an occasional browse might be beneficial.
4. Members may still sign up for the MOMAPPER's list server by following the directions below:  
To subscribe or unsubscribe:

### **Subscribing and Unsubscribing to MissouriMappersAssoc-L (the list server).**

- **Subscribe:**

1. Send e-mail to [listserv@lists.missouri.edu](mailto:listserv@lists.missouri.edu). Leave the subject line blank. Remove any tag lines or signature files. Type in the body of the message: **subscribe list\_name first\_name last\_name**.  
*i.e. subscribe MissouriMappersAssoc-L John Doe*

- **Unsubscribe:**

1. Send e-mail to [listserv@lists.missouri.edu](mailto:listserv@lists.missouri.edu). Leave the subject line blank. Remove any tag lines or signature files.
2. Type in the body of the message: **unsubscribe list\_name**.

### ***i.e. unsubscribe MissouriMappersAssoc-L John Doe***

*NOTE: LISTSERV will automatically pull your e-mail address out of the message; you don't need to include it. You must always send messages to the list from the original e-mail account you used to subscribe.*

Mark Duewell  
MSDIS Program Manager  
GIS Specialist Sr.  
Rm. 20, Stewart Hall  
University of Missouri, Columbia  
(573) 882-6734  
[duewellm@missouri.edu](mailto:duewellm@missouri.edu)

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## Membership Committee Report

Members if you haven't or don't renew your newsletter will be discontinued. We currently have 204 paid members. Your mailing label reflects your expiration date.

Respectfully submitted,  
Gladys Smith  
Missouri Mappers Membership Chairperson

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## Historical Committee Report

The historical committee has been busy gathering information to be included in this year's report. If you have anything you would like included, please send it and I will be sure to include it. Thank you!

Respectfully submitted,  
Tim Kean  
Historical Committee Chairperson

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## Post Jobs on the MMA Website!

Your company or organization can post a job opening on the MMA website. Just email your job description/information to Katie Shepherd at [shepherd@midlandgis.com](mailto:shepherd@midlandgis.com). The fees for job posting are as follows:

**MMA Members: \$25.00**

**Non-Members: \$50.00**

This is a great opportunity to hire someone in the Missouri spatial community to fill your position! Jobs will be posted for 6 months or until the position is filled and we are notified to remove the posting. Jobs will not be posted online until payment is received. Please mail all checks to Katie Shepherd, MMA Treasurer at Midland GIS Solutions, 501 N. Market, Maryville, MO 64468. Checks should be made payable to Missouri Mappers Association. Thank you!

## Publication Committee Report

The Publication Committee hopes this newsletter finds everyone doing well. At the risk of sounding like a broken record we would like to remind the membership of MMA of a couple of items. First, if anyone has an idea for a recurring "column," or just a note included in one newsletter, let us know. We will happily work with you to make it happen. We would love to include any item that would be of interest to the mapping community. Second, in an effort to minimize printing and postage costs, we are trying to e-mail as many newsletters as possible. If you would like to receive the newsletter via e-mail instead of the U.S. Mail, please send me the e-mail address where you would like to receive the newsletter. I can assure you that your e-mail address will only be used to send the quarterly newsletter or other official MMA communications. Send your e-mail addresses to [tim.kean@phelpscounty.org](mailto:tim.kean@phelpscounty.org). Thanks!

This issue will be mailed out to 158 individuals, and e-mailed to 54 more. It will also be posted on our website, along with newsletters from the past.

Tim Kean  
Publication Committee Chairperson

## We Map Missouri

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## Conference Committee

The Conference Committee has made great progress in developing this year's conference agenda. We have scheduled the entertainment, lined up the session speakers, and are working on finalizing the educational workshops. It's going to be a great conference as we Map Out the Memories for our 25<sup>th</sup> Anniversary.

Below is a **preliminary** list of session and workshop topics:

How Missouri Was Mapped: Darrel Pratt, Missouri State Surveyor  
Effective Uses of Lidar: Elizabeth Cook, USDA-NRCS  
GIS in Emergency Management: Debbie Briedwell, SEMA DPS-ITSD  
Data Sharing and at What Cost: Steve Marsh, Jackson County, MO  
Web Mapping Applications: Matt Sorenson, Midland GIS  
Technical Session: ArcGIS Tips & Tricks: TBD  
Workshop: GeoCacheEvent with Seiler  
Workshop: Intro to GIS: Josie Bock, Great River GIS  
Workshop: GPS to GIS/CAD: Jay Riester, Seiler

Josie Bock  
Conference Committee Chairperson



MISSOURI MAPPERS ASSOCIATION  
Membership Application

The Missouri Mappers Association has the following membership categories:

(Please check one)

\_\_\_\_ **Regular Member** – Mappers, Cartographers, Mapping Supervisors, Assessors, Surveyors, Geographic Information Systems (GIS) personnel and other persons involved with mapping. – **Annual Dues: \$15.00**

**\_\_\_\_\_ Subscribing Members** – Individuals or firms not eligible for regular membership that are interested in property mapping. – **Annual Dues: \$25.00**

\_\_\_\_\_ **Student Member** – Any student that attends a University, College, Vocational Institute or other recognizable School not eligible for other membership and interested in property mapping. – **Annual Dues: \$5.00**

Regional Chapter – Additional Annual Dues: \$5.00

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Government Organization, Company, Consultant Name

Employment Address	City	State	Zip Code
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Home Address	City	State	Zip Code
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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:

*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 \_\_\_\_\_

Please mail this application  
and dues to the  
**MEMBERSHIP  
COMMITTEE**

Gladys Smith  
MMA Membership Chair  
PO Box 95  
Osceola, MO 64776

Good afternoon all,

Registration for the promised MAGIC/MGISAC sponsored Emergency Response with GIS Workshop – Eastern Iteration is now open.

This workshop will be held May 5<sup>th</sup>, 2009 and is kindly hosted by the Danforth University Center at Washington University.

The cost to you is your time and your garage parking fee (approx. \$5 for the day). Lunch and breaks are provided.

**If the past 5 or 6 workshops are anything to gauge it by all 50 slots will be gone in 2 to 3 workdays – so delay registering at your own risk...**

This workshop is targeted at those individuals or organizations considering the use of GIS for emergency response – we'd particularly like to see first responders and local government decision makers interested in improved decision support – as well those already utilizing GIS for response.

The MAGIC/MGISAC sponsors are also particularly interested in encouraging attendees from states other than Missouri – hoping for the exchange of ideas and the creating the opportunities for cross-border cooperation and assistance.

The link to register is here: [http://www.msdis.missouri.edu/mgisac\\_emergency\\_response\\_workshop\\_reg/](http://www.msdis.missouri.edu/mgisac_emergency_response_workshop_reg/)

After registration you should receive a confirmatory email – please email or call me if you do not. Call or email if you have other questions...

Regards to all,  
Mark Duewell

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Editor's Note: I ran across the following article in an old edition of the newsletter. Even though a lot of us use computers for our mapping, we do still wind up from time to time working on paper maps. This article is being reprinted to help us, as well as those who are still fortunate enough to do their mapping by hand.

## Ink Tips

Did you ever start to draw out a metes and bounds description and find the distances were given in surveyor's chains? You had to wade through the legal description and multiply all your chain distances by 66 feet to determine what the dimensions in feet would be, so you could plot out the legal. Well, no need to go through all that extra multiplication if you have a surveyor's chain scale. Now you can make your own to any scale you need for almost nothing.

We made our chain scales by taking an old piece of mylar carrier strip about 1/2" x 12". The reason this works so well is because it has an adhesive on the back, which will attach to just about anything. We lay the strip out and lightly pencil on increments of 66 feet at whatever scale map we want to work on and then ink the increments, the numbers, and the scale on it. Be very careful that you place your marks accurately, and double check the overall length. Then we take the strip and pull off the protective cover to expose the adhesive and attach it to a triangle scale, or other straight edge. On a triangular scale, the strip may be attached to the 30, 50 or 60 side, which is not used frequently.

Several different scales for measuring chains may be applied to a triangular scale. We have found the surveyor's chain scale to be faster and easier to work with than converting dimensions in chains to feet. So, next time you get a deed using chains, don't reach for a calculator. Reach for your new surveyor's chain scale.

Ken Eftink, Joseph Martin  
Cape Girardeau County Mapping

Reprinted from Volume 1, Issue 2 of the MMA Newsletter, June, 1985

# MISSOURI MAPPERS ASSOCIATION

## TREASURER'S REPORT

### February 25, 2008

BALANCE 12/10/2008 \$17,566.92

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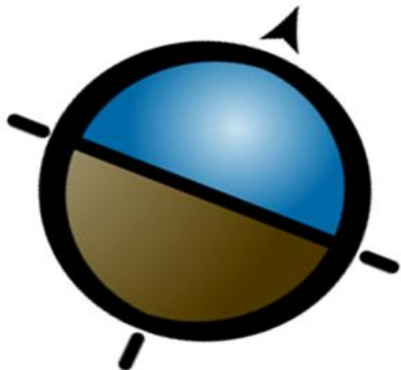
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BALANCE 3/25/2009 \$ 14,884.90



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## 25th Annual Missouri Mappers Association Conference

Please join us for the 25th Annual MMA conference at the Resort at Port Arrowhead at the Lake of the Ozarks July 28-31, 2009. This year's conference will be recapping the past 25 years of MMA by Mapping Out the Memories. With this stroll through memory lane, we would like to extend an invitation to other mapping disciplines around the state, such as utility co-ops, surveying, emergency management, 911, and many more to join us and share their mapping experiences.

The conference will be composed of workshops and technical sessions featuring a variety of topics, such as How Missouri Was Mapped, Legals and Deeds, GIS in Emergency Management, and Effective Uses of Lidar.

If you have any questions, please contact Josie Bock at 417-886-7171, or send an email to [josie@greatrivereng.com](mailto:josie@greatrivereng.com). You may also contact any of the MMA board members for information regarding the 25th Annual Conference.

Thank you, and we hope to see you in July.

### The 2009 MMA Board:

President: Frank Adam, Phelps County

Vice President: Don Cleveland, Cleveland Consulting

Secretary: Josie Bock, Great River GIS

Treasurer: Katie Shepherd, Midland GIS

First Year Director: Kay Schenewark, Benton County

Second Year Director: Darrel King, Moniteau County

Past President: Sarah Murray, Schneider Corporation



GPS  
Antenna



## Conference Schedule

<b>Tuesday, July 28<sup>th</sup></b>	
5:30 pm — 8:00 pm	Pizza Dinner at the Resort at Port Arrowhead—Outdoor Poolside
<b>Wednesday, July 29<sup>th</sup></b>	
7:30 am — 8:30 am	Registration Open (Lakeside Foyer)
8:30 am — 11:30 am	<b>Workshops 1 and 2 (Room A and Room C)</b>
9:30 am — 3:30 pm	Golf Tournament at Bear Creek Valley Golf Course
11:30 am — 1:00 pm	Lunch — on your own
1:00 pm — 4:00 pm	<b>Workshops 3 and 4 (Room A and Room C)</b>
4:30 pm — 6:00 pm	Registration Open (Lakeside Foyer)
5:30 pm — 7:30 pm	Evening with the Vendors — Reception (Lakeside North and Center)
7:45 pm — 10:00 pm	Bowling at Eagle Lanes — Transportation provided
<b>Thursday, July 30<sup>th</sup></b>	
7:30 am — 9:00 am	Registration Open, Continental Breakfast (Lakeside North and Center)
9:00 am — 10:00 am	<b>President's Address &amp; Keynote Speaker: Darrell Pratt, MO State Surveyor: How Missouri Was Mapped</b> (Lakeside South)
10:00 am — 10:15 am	Break
10:15 am — 11:00 am	<b>Session 2: Effective Uses of Lidar</b> , Elizabeth Cook, USDA-NRCS (Lakeside South)
11:00 am — 11:15 am	Break with Vendors (Lakeside North and Center)
11:15 am — 12:00 pm	<b>Session 3: GIS in Emergency Management</b> , Debbie Briedwell, SEMA (Lakeside South)
12:00 pm—1:15 pm	Lunch (Lakeside North and Center)
1:15 pm—2:00 pm	<b>Session 4: Data Sharing and At What Cost</b> , Steve Marsh, Jackson County (Lakeside South)
2:00 pm—2:15 pm	Break with Vendors (Lakeside North and Center)
2:25 pm—3:00 pm	<b>Session 5: Web Mapping Applications</b> , Matt Sorenson, Midland GIS (Lakeside South)
3:00 pm—3:45 pm	<b>Technical Session: ArcGIS Tips &amp; Tricks</b> , Leah Twombly, Bartlett & West (Lakeside South)
3:34 pm—4:45 pm	Chapter/PMM Meetings
5:30 pm—7:30 pm	<b>Mystery Dinner Theater at the Resort</b> (Lakeside North and Center)
7:30 pm—10:00 pm	Social: Cocktails and Karaoke at the Resort (Resort's Bar and Balcony)
<b>Friday, July 31<sup>st</sup></b>	
8:00am—9:00 am	Full Breakfast (Lakeside North and Center)
9:00am—11:00 am	<b>Annual Business Meeting with Presentation from MMA Lobbyist, Doug Burnett</b> (Lakeside North and Center)

# Workshops

Wednesday, July 29<sup>th</sup>

## Workshop #1:

### "GPS Geocache Event"

8:30 am—11:30 am

Jay Riester & Scott Smith, Seiler Instrument

Seiler Instrument invites you to participate in a Geocache event. A Geocache is a "treasure hunt" using GPS equipment. It combines navigation with GPS to find hidden items and answering trivia questions at various points along the course. Learn how to use GPS for navigation, meet new people, and have fun. GPS equipment will be provided. Learn about proper GPS data collection Techniques.

## Workshop #2:

### "Introduction to ArcGIS"

8:30 am—11:30 am

Josie Bock, GISP & Andrea Bohn, Great River GIS

This introductory GIS workshop will cover a basic overview of what ArcGIS is and how it works. Topics include data formats, adding and symbolizing data, creating and exporting data layers, and creating a map. This workshop is intended for the beginning and soon-to-be GIS user. There are only 12 computers, so class is limited to registrations from 12 different organizations. This means that people from the same organization may have to share the same computer.

## Workshop #3:

### "Mobile GIS: Using GPS for GIS Data Collection and Maintenance"

1:00 pm—4:00pm

Jay Riester & Scott Smith, Seiler Instrument

This half-day workshop will cover the essentials of Mobile GIS. Mobile GIS is the process of moving GIS data into the field for data capture and update. A variety of hardware and software solutions are available for Mobile GIS. This presentation will highlight these solutions and associated applications. Topics will include: Understanding the Global Positioning System, applications for Mobile GIS, current hardware solutions, customizing data collection, updating GIS data in the field, and seamless data flow between GPS and GIS. This workshop will include a complete field-to-GIS data collection project using submeter and subfoot devices. Trimble mapping-grade GPS equipment will be provided so all students will get hands-on experience in the field.

## Workshop #4:

### "Draw the Line: Interpretation of Deeds and Land Descriptions for Mapping"

1:00 pm—4:00 pm

Donald Martin, Professional Surveyor, Jefferson City, Missouri

*Draw the Line* is a workshop addressing challenges that accompany the interpretation of legal records for mapping and spatial representation. Topics in this seminar include review of deed types, orders of precedence of calls, and how to deal with unique situations in reading and plotting "legals". Land descriptions are the record representation of title in property and their spatial representation is a critical endeavor. This workshop will add to mappers' skill-sets in the important role they have as graphic scribes of important records.

## Conference Registration Form

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

Title/Organization: \_\_\_\_\_

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

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

General Conference Registration Fee \$100.00 \_\_\_\_\_

Includes MMA Annual Dues; Polo shirt; Wednesday Vendor Reception; Thursday breakfast, lunch, and Murder Mystery dinner theater ticket; Thursday Sessions; Friday breakfast and Annual Meeting

Workshops—Wednesday, July 29

- |   |         |       |
|---|---------|-------|
| 1. "GPS Geocache Event with Seiler" (limited to 30)                           | \$25.00 | _____ |
| 2. "Intro to ArcGIS" (limited to 12 different organizations)                  | \$25.00 | _____ |
| 3. "Mobile GIS" (limited to 18 attendees)                                     | \$25.00 | _____ |
| 4. "Draw the Line: Interpretation of Deeds and Land Descriptions for Mapping" | \$25.00 | _____ |

Additional EventsTuesday, July 28th Poolside Pizza Dinner \$10.00 \_\_\_\_\_Wednesday, July 29th Golf Tournament at Bear Creek Valley Separate RegistrationWednesday, July 28th Bowling Event at Eagle Lanes \$10.00 \_\_\_\_\_

(Per person fee includes all games, shoe rental, and shuttle service.)

If you plan to bring additional guests to any of the conference meals or other events, the cost per additional meal is \$15.00 per person for adults, and \$10.00 per person for children; the cost per additional event is as indicated. Please indicate the number of guests you will be bringing, the meals/events you expect them to attend, and the associated costs in the space below.

# Additional Guests	Meal/event they will attend	Amount
_____	_____	_____
_____	_____	_____
_____	_____	_____

Shirt Size: S M L XL XXL XXXL

Shirts are men's sizes. All orders must be received by July 13<sup>th</sup> to ensure that you get a shirt at the conference.

Total Amount Due:	\$ _____
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Please make your check payable to "Missouri Mappers Association"

Send registration form and payment to:

Josie Bock, Conference Coordinator

Great River GIS

2826 S. Ingram Mill Rd

Springfield, MO 65804

Email: [josie@greatrivereng.com](mailto:josie@greatrivereng.com)

Phone: (417)886-7171

Fax: (417)886-7591

Registration deadline is July 13, 2009. A late fee of \$25.00 each will be applied to all registrations received after that date, and no registration fees will be refunded after that date.

NOTE: If you will not be attending this year's conference, but would like to renew your MMA dues, please fill out and submit the "I'M NOT ATTENDING THE CONFERENCE, BUT I WANT TO PAY MY ANNUAL DUES" form.

# I'M NOT ATTENDING THE CONFERENCE, BUT I WANT TO PAY MY ANNUAL DUES FORM

If you are not attending the Annual Conference, you may still renew your membership using this form. If you will be attending the conference, please disregard this form.

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

Title/Organization: \_\_\_\_\_

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

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

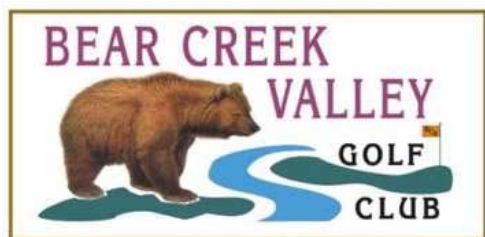
ANNUAL MMA DUES

\$15.00

NOTE: Chapter dues are collected by each individual chapter and should not be included on this form.

Please make checks payable to Missouri Mappers Association. Send completed dues renewal form and check to:

Gladys Smith, Membership Committee  
St. Clair County Assessor's Office  
County Courthouse  
P.O. Box 95  
Osceola, MO 64776



# MMA Golf Tournament

## Wednesday, July 29, 2009

### 9:30 am (Shotgun Start)

Bear Creek Valley Golf Club  
910 Highway 42 - Osage Beach Missouri 65065  
(573) 302-1000

<http://www.bearcreekvalley.com/>

Conveniently located on Hwy 42, just 2/10 of a mile from Hwy 54 in Osage Beach

Please join us at the beautiful Bear Creek Valley Golf Course for the annual MMA Golf Tournament. Please fill-in the names of the members of your team. If you do not have a team, simply list your name and we will pair you with one. The cost is \$55 per person, which includes green fees, cart, and lunch.

Player: \_\_\_\_\_

Player: \_\_\_\_\_

Player: \_\_\_\_\_

Player: \_\_\_\_\_

This event includes team prizes, putting contest, closest to the hole, and longest drive. Prizes will be awarded. If your organization can donate a prize, please contact Josie Bock at [josie@greatrivereing.com](mailto:josie@greatrivereing.com) or 417-886-7171.

#### Alcohol Policy

In accordance with the laws of the state of Missouri, all alcohol consumed on the premises must be purchased from the course. No coolers allowed.

Directions to golf course: From the Resort at Port Arrowhead, turn right out of the parking lot back to Hwy 54. Turn right towards town and go to the first stop light. Here, turn left on Hwy 42. Go a quarter of a mile, and the course is on your left.

#### To register

Send golf registration form along with check (made payable to Missouri Mappers Association) to:

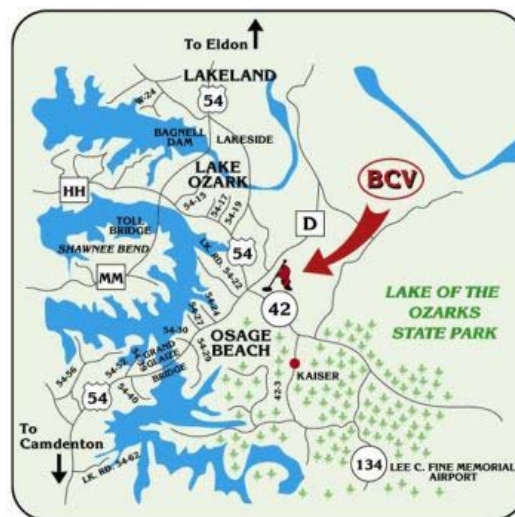
Josie Bock, Conference Coordinator

MMA Golf Tournament

Great River GIS

2826 S. Ingram Mill Rd

Springfield, MO 65804



## Vendor Registration Form

Don't miss your chance to exhibit at this year's premier mapping and GIS event! Exhibit space is limited and will be assigned on a first-come, first-served basis. Be sure to return your form with PAYMENT as soon as possible!

### EXHIBIT APPLICATION

COMPANY NAME: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

TYPE OF SERVICE DISPLAYED: \_\_\_\_\_

**NAMES OF EXHIBITORS:** (One representative included in Exhibit Fee. All exhibitor representatives must be registered. Use additional sheet if necessary.) Shirts are men's sizes. All orders must be received by July 13th to ensure that you get a shirt at the conference.

1. NAME: _____	3. NAME: _____
TITLE: _____	TITLE: _____
SHIRT SIZE: S M L XL XXL XXXL	SHIRT SIZE: S M L XL XXL XXXL
2. NAME: _____	4. NAME: _____
TITLE: _____	TITLE: _____
SHIRT SIZE: S M L XL XXL XXXL	SHIRT SIZE: S M L XL XXL XXXL

### EXHIBITOR FEES

**EXHIBIT SPACE** (Includes: 8x10' booth space, draped table and 2 chairs, conference meals for one representative; One year MMA membership; Current MMA membership list; 1 Mystery Dinner Theater ticket; Polo shirt) **\$450** \_\_\_\_\_

**SPONSORSHIP** (Includes special recognition in the Conference Program and your logo on a large display in the exhibition hall.) **\$100** \_\_\_\_\_

**ADDITIONAL REPRESENTATIVES** (Includes meals, Mystery Dinner Theater ticket; polo shirt; and MMA dues) **\$100** \_\_\_\_\_

**GOLF TOURNAMENT** at BEAR CREEK VALLEY

SEPARATE REGISTRATION FORM

**BOWLING** at Eagle Lanes

**\$10/ea** \_\_\_\_\_

**TOTAL** **\$** \_\_\_\_\_

### REGISTRATION DEADLINE: JULY 13, 2009

Mail completed for with payment (make checks payable to Missouri Mappers Association) to:

Josie Bock, Conference Coordinator

Great River GIS

2826 S. Ingram Mill Rd

Springfield, MO 65804

Questions: Contact Josie at

josie@greatrivereng.com or

(417) 886-7171



## Location & Accommodations

The conference will be held at the Resort at Port Arrowhead. Room rates are \$94.00/night for a single or double room. Please make your hotel reservations **NO LATER THAN JULY 6, 2009**. After this date, rooms will be provided at that rate only as available. Use the group code "MAPPO728" to get the conference rate.

The Resort at Port Arrowhead  
3080 Bagnell Dam Boulevard  
PO Box 1930  
Lake Ozark, MO 65049  
Phone: (800)532-3575 or (573)365-2334  
Fax: (573)365-6887  
Email: [reservations@theresortatportarrowhead.com](mailto:reservations@theresortatportarrowhead.com)  
Website: [www.theresortatportarrowhead.com](http://www.theresortatportarrowhead.com)

### Directions:

From St. Louis

I-70 West to Kansas City. Hwy 54 thru Jefferson City to Lake Ozark (about 45 miles). Turn right at second stop-light onto Business Hwy 54/Bagnell Dam Blvd. The Resort at Port Arrowhead is approximately 1/4 mile on your left.

From Columbia

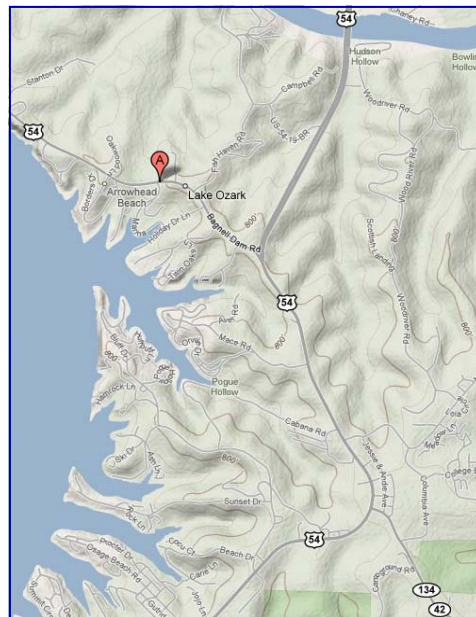
Hwy 63 South to Jefferson City. Hwy 54 to Lake Ozark. Turn right at second stoplight and follow Bus. Hwy 54/Bagnell Dam Blvd 1/4 mile to hotel on left.

From Kansas City

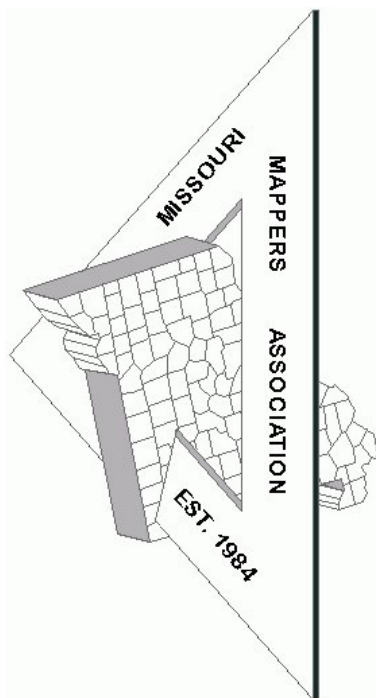
I-70 East to Hwy 65 South to Sedalia. Hwy 50 East to Tipton. Turn right at stop light and take South Hwy 5 to East Hwy 52 and follow to Eldon. Turn right at McDonald's and Follow to Hwy 54 West and on to Lake Ozark. Turn right at second stoplight and onto Bus. Hwy 54/Bagnell Dam Blvd. The resort is approximately 1/4 mile on your left.

From Springfield

I-44 East to Lebanon. Hwy 5 North to Camdenton. Hwy 54 East To Osage Beach. Turn left on Bus Hwy 54/Bagnell Dam Blvd. The resort is approximately 1/4 mile on your left.



MISSOURI MAPPERS  
ASSOCIATION  
P.O. BOX 1692



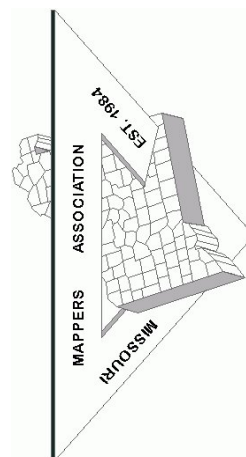
We have plenty of ad space available for the upcoming issues. Please contact Frank Adam at [frank.adam@phelpscounty.org](mailto:frank.adam@phelpscounty.org) or Tim Kean at [tim.kean@phelpscounty.org](mailto:tim.kean@phelpscounty.org) for more information. Rates are as follows:

<b>Business Card</b>	\$25 per Issue	4 Issues - \$75
<b>1/4 Page</b>	\$50 per Issue	4 Issues - \$175
<b>1/2 Page</b>	\$75 per Issue	4 Issues - \$275
<b>Full Page</b>	\$100 Per Issue	4 Issues - \$350

## 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.

Frank Adam, PMM & Tim Kean  
Phelps County Assessor's Office  
200 North Main Street, Suite 126  
Rolla, MO 65401  
[frank.adam@phelpscounty.org](mailto:frank.adam@phelpscounty.org)  
[mapping@phelpscounty.org](mailto:mapping@phelpscounty.org)  
[tim.kean@phelpscounty.org](mailto:tim.kean@phelpscounty.org)



Missouri Mappers Association  
P.O. Box 1692  
Jefferson City, Missouri 65102