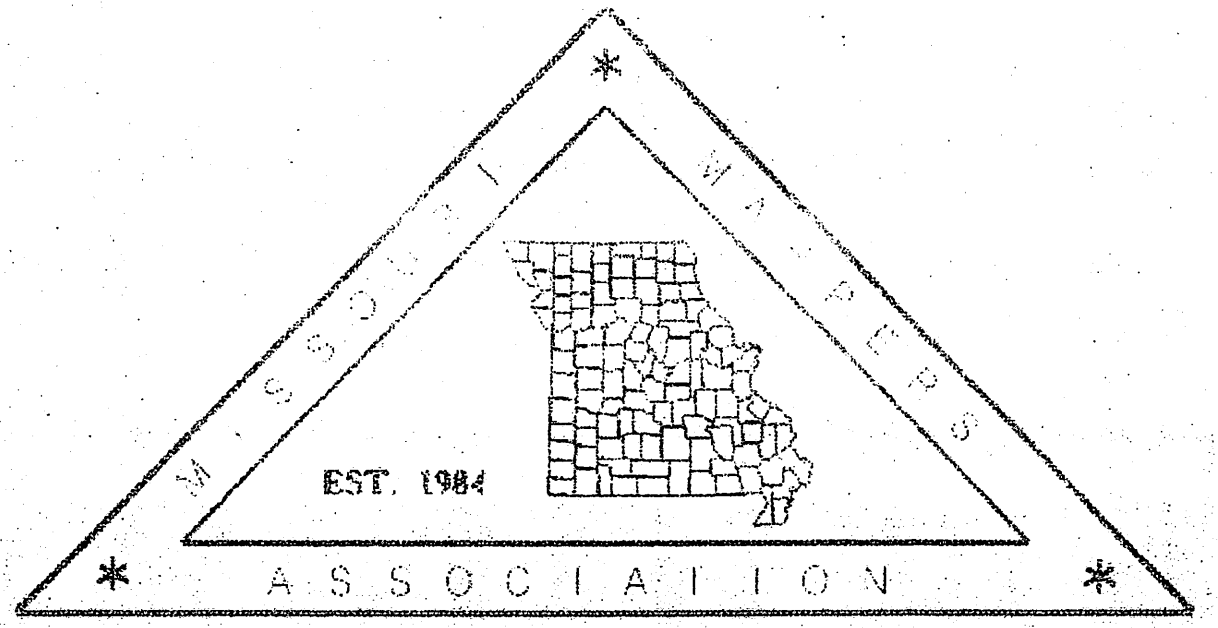

15th Annual Convention
August 11, 12, and 13, 1999
Holiday Inn Executive Center
Columbia, Missouri

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CONTRIBUTORS

* Thank you to the following people for contributing to the Annual Meeting Booklet. *

Ken Agey
Marti Buckner
Barbara Kaszuba
Chris Matthews
Belinka Novotny-Held
Patty Williams
Teresa Barnes
Gladys Smith

* Thank you to the following entertainers. *

Casino Night - Southern Boone Jaycees
Authentic portrayal of William Clark - Patrick Lee
Worlds Poorest Farmer - Lewis Baumgartner

* Thank you to the following businesses. *

Donated Energizer Bunny - Energizer Battery Company
Social - Markhurd
Golf Tournament - MJ Harden & Great Rivers Management

* The Missouri Mappers Annual Meeting Committee would like to thank Krissy Williams, daughter of Patty Williams, for compiling the Program Booklet. All of her hard work is greatly appreciated. *

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1998 - 1999 COMMITTEES

ANNUAL MEETING

Belinka Novotny-Held, PMM	**Jefferson County**
Patty Williams	**Warren County**
Ken Agey	M.J. Harden Associates
Kim Swisher	Walker Associates
Ona Mullinax	Barton County
Sandy Cadenhead	Jefferson County
Kathy Edwards	Franklin County
Chris Matthews	St. Louis County

AWARDS

Teresa Barnes	**Stone County**
Linda Crane, PMM	Boone County
Gladys Smith	St. Clair County
Stephanie Trejo, PMM	State Tax Commission
Ken Agey	M.J. Harden Associates

CADD

Stan Balsman, PMM	**SEMO Regional Planning**
Teresa Barnes	Stone County
George Yerion	Computer A.C.E.S.
Kyle Gjeruldson	CADD Solutions, Inc.

CERTIFICATION (must have PMM Designation)

Marti Buckner, PMM	**Hickory County**
Stan Balsman, PMM	SEMO Regional Planning
Linda Crane, PMM	Boone County
Jeff Davis, PMM	Boone County
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Linda Reynolds, PMM	Taney County
Belinka Novotny-Held, PMM	Jefferson County

EDUCATION

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Tim Houtchens, PMM	Taney County
Carol Misener	Franklin County
Loyola Vondera, PMM	Franklin County
Chris Matthews	St. Louis County

LEGISLATION

Darrel King	**Moniteau County**
George Frink	Howard County

MEMBERSHIP

Gladys Smith	**St. Clair County**
Linda Crane, PMM	Boone County
Stephanie Trejo, PMM	State Tax Commission

PUBLICATIONS

Ken Agey	**M.J. Harden Associates**
Linda Crane, PMM	Boone County

HISTORICAL

Barbara Kaszuba, PMM	**Newton County**

PRESIDENTIAL PAGE

A Word From Your President:

Hi everyone! It has been my pleasure to be your President for the past year. It seems like yesterday when you elected me into office. I have really appreciated all of the help all of the other officer and committee members have given me to make this a very educational and informative year. I hope I can be as helpful to our next President.

I hope everyone has a great time at the convention and learns a lot of helpful things.

Thanks Again,
Linda Crane, President

Past Presidents:

George Donatello
Jan Elliot
Gail Sawicki
Mary Ann Kaiser
Dianna Carter
Don Cleveland
Dan Roe
Jim Matlock
Debbie Cochran
Jerry Joe
Carl Sohn
Randy Mayden
Jeff Davis
Marti Buckner

WHAT IS THE MISSOURI MAPPERS ASSOCIATION ?

The Missouri Mappers Association is a non-profit organization. Its purpose is to bring together those persons concerned with property mapping in state and local governments and private industry, and to create a framework in which we may cooperate in the investigation, study, discussion, and recommendation of improvements in property mapping and land record management, to promote the interchange of ideas and experiences, to improve the practice of property mapping and knowledge through education and training, and to support legislation beneficial to property mappers and land record management.

To achieve these objectives, the Association sponsors regional workshops and courses, publishes a quarterly newsletter, and has instituted a professional designation program.

MMA operates from a constitution and a set of by-laws. The Association has an Executive committee comprised of a President, Immediate Past President, Vice President, Secretary, Treasurer, and two Directors. These officers are selected each year at the Annual Meeting with the exception of the Treasurer and the Directors who each serve a two-year term of office.

Each year, the President appoints several standing committees. These include Annual Meeting, Awards, Certification, Education, Legislation, Membership, Publication, Historical, and CADD.

The Annual Meeting Committee overseas all of the many responsibilities for the annual membership meetings. They endeavor to provide the membership with an enlightening, rewarding, and entertaining gathering.

The Awards Committee has the difficult task of choosing the recipients for the awards which are presented each year at the Annual Meeting.

The Certification Committee is responsible for administrating the Professional Missouri Mapper designation program. To acquire designation, candidates must have a certain amount of experience and education, and complete a comprehensive mapping examination.

The Education Committee works to furnish educational opportunities by providing regional workshops which are held several times each year throughout the state.

The Legislation Committee keeps apprised of any current legislation involving mapping and informs the membership of such. Members are on occasion asked to notify their legislators in support of or opposition to proposed legislation.

The Membership Committee is constantly working to bring new members into the organization. They maintain the membership records and publish a membership directory annually.

The Publication Committee produces the MMA NEWS, a quarterly newsletter which contains informative, educational, and entertaining tidbits.

The CADD (Computer Assisted Drafting and Design) Committee promotes the use of CADD, and assists with training programs on the use of computerized data in the mapping profession.

The Historical Committee is responsible for accumulating information about MMA and for preserving these records for future memberships.

AWARDS IN PAST YEARS

1987-	Education: Bob Norris
	Fireball: Mary Ann Kaiser
	Mapper of the Year: Kitty Hedin
1988-	Education: Debbie Cochran
	Fireball: Ken Eftink, PMM
	Mapper of the Year: Robert Pirrie
1989-	Education: Robert Pirrie
	Fireball: Dan Roe
	Mapper of the Year: Carol Ann Freeman
1990-	Education: Linda Crane
	Fireball: Jerry Joe
	Mapper of the Year: Dan Roe
1991-	Education: Kathy Edwards
	Fireball: Debbie Cochran
	Mapper of the Year: Carl Sohn
	Annual Meeting: Betty Wiley
1992-	Education: Carl Sohn
	Fireball: Carl Sohn
	Mapper of the Year: Debbie Cochan
	Annual Meeting: Randy Mayden
1993-	Education: Richard Sohn
	Fireball: Mary Beasley
	Mapper of the Year: Phil Shelton
	Annual Meeting: Linda Crane & Sandy Estes
1994-	Education: Chris Matthews
	Fireball: Marti Buckner
	Mapper of the Year: Tim Houtchens, PMM
	Annual Meeting: Ona Thomas
1995-	Education: Bob Friesen
	Fireball: Kathy Edwards
	Mapper of the Year: Sarah Anderson
	Annual Meeting: Shelly Taylor
	Recognition Award: Carl Sohn, Outgoing President
1996-	Education: Carl Sohn
	Fireball: Randy Mayden
	Mapper of the Year: Floyd Evans & Barbara Kaszuba
	Annual Meeting: Dan Roe
1997-	Fireball: Belinka Novonty-Held, PMM
	Mapper of the Year: Morgan County Mapping Department
	Annual Meeting: Linda Crane, PMM & Ona Thomas
1998-	Fireball: Marti Buckner
	Mapper of the Year: Gladys Smith
	Annual Meeting: Ken Agey
	Energizer Award: Kathy Edwards
	Certificates of recognition for outstanding job performance: Patty Castro, Joy Bilyeu, Linda Reynolds, Tim Houchens, Georgia Spurgeon, Puala Ghidotti, Judy Williams, Carolyn Kinnison

1999 AWARDS

Please fill these in at your discretion.

Mapper Of The Year:

_____

Boss Of The Year:

_____

Publisher Of The Year:

_____

Annual Meeting:

_____

Energizer Award:

_____

Special Recognition:

_____

_____

Congratulations to the winners!

1999 MMA ANNUAL MEETING SCHEDULE

WEDNESDAY, AUGUST 11, 1999

Golf Tournament	9:00 am - ???	
Pre- Registration	1:30 pm - 2:00 pm	Atrium
Workshop: Highway Right of Ways	2:00 pm - 4:30 pm	Windsor II
Early Registration & Atrium Social	6:30 pm - 8:00 pm	
Social at Spankys	???	

THURSDAY, AUGUST 12, 1999

Registration	7:45 am - 9:00 am	Atrium
PMM Breakfast	8:00 am - 9:00 am	Truman Room
<u>Session 1</u>		
Presidential Welcome: Linda Crane	9:00 am - 9:10 am	Windsor III
Keynote Speaker: Bob Norris	9:10 am - 9:30 am	Windsor III
Speaker 1: Scott Tab	9:30 am - 10:00 am	Windsor III
Break with snack	10:00 am - 10:15 am	Windsor I & II
<u>Session 2</u>		
Speaker 2: Scott Tab	10:15 am - 11:00 am	Windsor II
Business Meeting	11:00 am - 12:00 pm	Windsor II
Lunch (includes entertainment)	12:00 pm - 1:30 pm	Windsor I & II
<u>Session 3</u>		
Speaker 3: Gil Restrepo	1:30 pm - 2:00 pm	Windsor III
Speaker 4: 1st American Title Company	2:00 pm - 3:00 pm	Windsor III
Break with snacks	3:00 pm - 3:15 pm	Windsor I & II
<u>Session 4</u>		
Speaker 5: David Wallace	3:15 pm - 4:15 pm	Windsor III
<u>Evening</u>		
Hospitality	4:45 pm - 6:00 pm	Windsor I & II
Hors d'oeuvres: Markhurd sponsor		
Introduction of Exhibitors	5:15 pm - 5:30 pm	
Door Prizes	5:30 pm - 6:00 pm	
Dinner with Mystery Theater	6:00 pm - 9:00 pm	Windsor III
Casino Night and Auction	9:00 pm - ???	Windsor IV

FRIDAY, AUGUST 13, 1999

Breakfast	8:00 am - 9:00 am	Windsor IV
Speaker Patrick Lee as William Clark	9:00 am - 9:45 am	Windsor IV
Awards/Swearing in of Officers/Closing	9:45 am - ???	Windsor IV

DESCRIPTION OF SPEAKERS

Workshop Speaker: Julie Bay on "Highway Right of Ways". Julie is a graduate of Williams Woods University with a Bachelor's Degree in Paralegal Studies. She has six years of paralegal experience with private law firms handling real estate transactions. She also has two years of paralegal experience with MoDot. Julie has been employed with District 5 (Jefferson City area) of the Right of Way Division since September of 1998 ordering title work, writing legal descriptions, and preparing deeds.

About Highway Right of Ways: It is a basic explanation of highway stationing, design symbols, and simple curves. Basically, she will try to explain our highway plans and how they coincide with your county maps.

Keynote Speaker: Bob Norris

Speaker 1: Scott Tab on "Railroad Abandonment". Scott Tab, PKM, has been working in county and state government since 1987 when he started with the Cass County Assessor's Office. After moving to Kansas in 1989, he worked in Douglas County and then the Kansas Department of Revenue, Division of Property Valuation. While working for the Division of Property Valuation, he taught numerous mapping courses and was involved with implementing GIS at the Department of Revenue. Scott currently works for Shafer, Kline & Warren, Inc. as a GIS Consultant. He is current President of the Kansas Association of Mappers (KAM) and has earned the KAM Professional Kansas Mapper designation.

About Railroad Abandonment: This session will cover the impact the "Rails to Trails Act" has on property ownership mapping. All pertinent session of the act will be covered.

Speaker 2: Scott Tab on "Using a Land Compass". (See above for personal information.)

About Using a Land Compass: The basic principles of using a land compass will be examined. We will discuss field angles, bearings, and reverse bearings.

Speaker 3: Gil Restrepo on "Stretching the Truth". Since 1983, Gil has been a Cartographer with Revenue Technical Services, a division of the Department of Revenue at St. Louis County Government. He participated in the conversion of "ink on Mylar" Assessor's map base into a CAD (Computer Aided Drafting) system. Gil has experienced Intergraph's evolution from VAX/VMS to UNIX to Microstation and then to Windows NT. Today, he is part of the team responsible for conflating the St. Louis County Assessor's map base. Gil has Bachelor of Arts (BA) and Master of Science (BS) degrees from Southern Illinois at Edwardsville (1983). When not conflating, he participates in soccer and listens to music (Santana).

About Stretching the Truth: The current St. Louis County Assessor's map base had it's origin in the 1960's. Using rectified aerial photography, highways, primary roads, and drainage features were inked on linen and later transferred to Mylar sheets covering an area of 5,000 by 7,500 feet at 1"-200'. Cadastal information from the Assessor's plat pages (at different scales) was transferred (inked) to the 453 Mylar maps. Subsequently, new subdivision, combinations, splits, r.o.w.'s changes, zoning lines, and other jurisdictional lines were added.

In 1983, the transfer (digitizing) began of the Assessor's map base into an Intergraph Corp. VAX/VMS computer aided drafting (CAD) system. It is common knowledge that map bases generated like this one inherit all the errors (human and mechnical) associated with manual drafting. Since the mid 1980's, St. Louis County's Revenue Technical Services (RTS), who is in charge of maintaining the Assessor's map base, has been requested funding for a new map base or at least for orthophotography. The high cost of acquiring either one has forced RTS to maintain a map base system where accuracy has been greatly compromised, particularly in the western and southern areas of the county.

The Metropolitan St. Louis Sewer District (MSD), a long time user of the Assessor's map base, has also realized the need for a more accurate map base for their facilities management.

DESCRIPTION OF SPEAKERS

"Stretching the Truth" is a review of RTS' experience in Phase One of the CONFLATION Project. A joint venture between MSD and RTS to build a geodetically accurate map base that can be used with confidence by all public agencies. The conflation of existing parcel lined with a map base consisting of right-of-way lines, newly digitized from orthophotos, have created new challenges for RTS; while eliminating some ground truth errors, the shifting of parcel lines have generated new ones

Speaker 4: 1st American Title Company's Representative John Howe

Speaker 5: David Wallace on "Dealing with Tough Customers". David Wallace is a Psychologist and Assistant Director at the MU Counseling Center and Vice President of Applied Science Consulting, a management consulting firm based in central Missouri. He has worked in a variety of organizations, supervising paid employees and volunteers. He has been a counselor for the MU Employee Assistance Program, and he currently manages MU Testing Services as a part of the Counseling Center. He has extensive experience working with employee relations, management coaching, personal counseling, and organizational development. He has been involved in teaching and training over the past 28 years.
About Dealing with Tough Customers: The presentation is focused on practical things you can do to improve a situation when faced with someone who is upset or angry or someone who is just difficult to get along with. Drawing from audience examples, we will explore powerful tools you can use to help cool heated situations and hopefully lead to better outcomes for yourself and others involved.

EXHIBITORS

ESRI - ESRI provides geographic information system (GIS) software and related services to clients worldwide. Headquartered in Redlands, California, ESRI also has US regional offices, overseas subsidiary companies, and distributors doing business in more than 189 countries, ESRI's flagship product, ARC/INFO, a high-end GIS, has capabilities for the automation, modification, management, analysis, and display of geographic information. Several related products developed and marketed by ESRI include: ArcView GIS, an affordable geographic data query, display, and out put tool for desktop; SDE (Spatial Database Engine), a high-performance object-based data access engine; and, MapObjects, embeddable GIS and mapping componets for applications developers. Representative: Joe Eckmann jeckmann@esri.com

INTERGRAPH CORPORATION - A computer industry pioneer, Intergraph Corporation provides comprehensive engineering, Mapping/GIS, and IT solutions for the engineering and transportation industries, as well as local and national governments. For desktop or enterprise solutions, Intergraph offers software, computers, support, consulting, and training services. Industry analysts consistently rank Intergraph as a top solutions provider in the markets the company has served for three decades.
Our civil engineering applications for Storm Water, Sewer, Bridge, and Road Design help you take full advantage of your existing CAD investments. Discover why leading design firms and majority of state departments of transportation use our software. Website: http://www.intergraph.com

KUCERA INTERNATIONAL INC. - Kucera International, Inc. is a world-leading provider of high quality, cost-effective imaging, mapping, and GIS products and services to government and private industry. Kucera's in-house specialties include aerial photography, remote sensing, surveying/GPS, orthophotography, terrain modeling, topographic/planimetric mapping, cadastral mapping, data conversion, and GIS support. E-mail: map@kucera-gis.com

MARKHURD - MARKHURD's primary business is aerial photography, digital base map generation, image processing, geodetic surveying, GIS, and related services. During our 75 plus years, we have completed projects in every state within the US and 37 foreign countries. Our total resource availability includes over 300 professional and technical experts in seven (7) production facilities strategically located throughout the United States. With twenty-eight analytical stereoplotters, ten softcopy plotters, ten aircraft, and more than one-hundred graphics work stations, MARKHURD is the largest photogrammetric engineering company in the United States. MARKHURD is committed to maintaining the quality, responsiveness, integrity, and creativity that has made us a recognized leader in our field.

MILLER MANAGEMENT SERVICES INC. - Miller Management Services is headquartered in Columbia, MO. We are currently have 911 clients in Arkansas, Florida, Illinois, Iowa, Oklahoma, New York, Montana, Kansas, and Texas, in addition to 35 counties in Missouri. Our firm uses unique Geographic Information System (GIS software). We also use the latest in Global Positioning System (GPS) technology to build road maps and pinpoint the location of drives to be addressed. The use of the GIS and GPS allows us to complete projects faster and more accurately. Website: http://www.mmsgis.com

MJ HARDEN - MJ Harden is a worldwide leader in the geographic information technology industry. We specialize in providing photogrammetric mapping, GIS, and computer technical services that are distinguished by precision, effectiveness, and value. We blend innovation, advanced technologies, and a strong commitment to our clients to develop successful long-term partnerships.
Founded in 1956 to provide photogrammetric mapping services, MJH has become a preeminent leader in the field of photogrammetry. We utilize GPS (global positioning system) technology both for aircraft navigation and capturing precise geographic coordinates on the earth's surface.

EXHIBITORS

Our stereo compilation team combines extensive photo interpretation experience with advanced tools to deliver quality digital map data.
Innovation and experience are brought together to create geographic information systems. We have separate GIS divisions dedicated to handling specific needs of the pipeline industry, government agencies, utilities, and railroads. And because each GIS implementation is unique, we design and customize applications and data conversion services for each of our clients. We also offer computer technical services that include system configuration, installation, training, support, and hardware/software sales. Our technical services staff has extensive experience supporting production environments with a wide variety of hardware and software platforms. Website: http://www.mjharden.com

ROTOLITE OF ST. LOUIS INC. - Rotolite specializes in Xerox Engineering Copiers, H-P Inkjet, Blueprint Machines, and Paper, Mylar, and Drafting Supplies.

R & S DIGITAL - R & S Digital Services is a full service GIS mapping company. We specialize in the development of GIS solutions for cadastral and land use mapping. With over 12 years experience, R & S Digital has designed and implemented geographic information systems for a growing national client base. We are one of a handful of companies that pioneered GIS mapping on PC-based computers at a time when it was thought to be impossible. Our long-standing commitment to GIS has enabled us to participate in its genesis as well as its constant evolution. Website: http://www.rsdigital.com

PMC, PRO MAP CORPORATION - Established n 1991, PMC Associates have more than 30 years combined experience in the creation of digital maps, map databases, and enterprise Geographic Information System projects for public agencies, businesses, and individuals throughout Iowa and the Midwest. 24 counties in Iowa, 3 in Missouri, and 1 in South Dakota, and PMC is recognized for combining innovation and expertise in the implementation of GIS technology. PMC is also a leading GIS provider for the Midwest precision farming industry and for the digital mapping needs of many commercial businesses. PMC is an authorized desktop reseller, developer, and business partner with ESRI. Website: http://www.promap.com

SHAFER, KLINE & WARREN - Shafer, Kline & Warren, Inc. (SKW) is a multi-discipline engineering/consulting firm with a history that dates back to 1885. Our services include engineering, land surveying, landscape architecture, planning, management consulting, and AM/FM/GIS. As client's needs have become increasingly comprehensive, SKW has continued to move forward to meet the challenges of change. We recognize Geographic Information Systems (GIS) as an important tool for managers and decision makers. SKW's GIS services encompass Mapping/Data Collection and Conversion, Application Development, Training, Implementation, Database Maintenance, and Software Sales/Support. We have created a Public Access system application that includes GIS tools for appraisers and their staff. This application gives the general public and county employees efficient access to information previously available to them, but difficult to obtain.

SPATIAL DATA RESEARCH - Founded in 1993, Spatial Data Research, Inc. is an independent multidisciplinary consulting firm which specializes in GIS database construction, GIS and GPS software development, and GIS/GPS consulting. Other specialties include land use and natural resources management, public safety mapping, and utility automated mapping/facilities management. SDR helps clients become familiar with GIS technologies, analyze their needs, evaluate resources, assess benefits and costs, and design GIS solutions that work. SDR blends technical and management assistance with education to help the client develop competence with technology. Website: http://www.sdrmaps.com

EXHIBITORS

SPRINGFIELD BLUE PRINT & PHOTO COPY CO., INC. - Springfield Blue Print has Equipment Sales and Services in the following areas: Xerox engineering copiers and plotters, Hewlett-Packard Design Jet Plotters, Widecom & Contex Large Format Scanners, Rotolite Blue Print Machines, Electronic Lettering Machines, Mayline & Plan Hold Filing Systems, and TigerMark & SD Modular Trade Show Displays. They also have the supplies as follows: Engineering, Drafting & Architectural Supplies, Media, Toner, Ink Cartridges for Plotters & Engineering Copiers, and Blueline Paper, Mylar, & Developers. Springfield Blue Print also offers the following services: Blueprinting, High Speed Copying, Large Format Color Graphics, Large Format Digital Printing, Large Format Scanning & Arching, Mounting & Laminating up to 54" wide, and Document Enlarging & Reduction. Website: http://www.spfdblue.com

SURDEX CORPORATION - For over four decades, Surdex Corporation has been recognized as a premier photogrammetric engineering firm, supplying consistent, accurate information - on time and on budget. We maintain an exceptional qualified staff, constantly upgrading with new technology, and partnering with our clients to ensure a high degree of customer satisfaction. We offer: Digital Mapping, Orthophotography, Aerial Photography, Airborne and Ground GPS, Digital Imaging Services, and Data Conversion Services.

WALKER ASSOCIATES - Since 1979, Walker Associates, Inc. has been providing services for Aerial Photography, Topographic Mapping, Digital Orthophotos, GIS Base Mapping, GIS Solutions, Airborne GPS, and Scanning to government and private sector clients. Our headquarters and production facility are located in St. Louis with regional offices in Arlington Heights, Illinois, and Mission, Kansas. Our reputation is based on professional service, quality workmanship, and timely project completion using a "people first" philosophy.
As an ESRI business partner, we are experienced in providing accurate base maps using aerial photography, GPS surveys, and photogrammetric mapping. Specializing in base mapping services, along with overall project management and administration, we are a ley consultant on some of the largest GIS base mapping projects in Missouri. Website:
http://www.walkerassociates.com

Join us on Thursday Evening at 6:00 in Windsor Ill for a great laugh and a lot of fun!

"DYING TO MEET YOU"

Presented By: Mycroft's
The Midwest's most marvelous murder mysteries!

Performed by: Brenda Sue Fowler and Phillip E. Bozich
Plus 20 volunteers from your very own audience!

"Playing the Game"

Well, friend, as my rather impetuous, younger brother Sherlock would undoubtedly say, "The game is afoot!"
A murder has been committed, or soon will be, and you are one of the suspects on the scene. You will be given all of the essential materials and information you will need to participate in our "little game" tonight:
- Your new identity for the evening
- Your name tag
- Information about the gathering
- A solution card

Read everything carefully. Someone's life may depend on it - perhaps even yours. And please do remember, this is just a friendly exercise in deduction - not an actual life-and-death situation!
Deception is not necessary!
(Unless your instructions call for it - then it's mandatory)
All you need to do is:
- Play along with everyone else
- Read your lines at the appropriate times (if you have any)
- Pay attention to clues
- Have a good time

Bear in mind, at least one person there is a heartless killer. Most likely they are not even aware what a fiend they are.
Only the clues you obtain form each other and the performance will revel the truth.

Now to set the stage:

Desperately in need of transplants, five people with very rare blood types have come to the same hospital hoping to find the organs they need. The world famous (but highly eccentric) chief of surgery has promised they will all get their transplants. But how will be provide so many transplants – for such hard to match patients? And, perhaps more importantly ... what is he doing lying face down in the
pool -- naked – when he should be preparing for surgery?
How did he die? Where was he going to get all of those donor organs? Which one of the guests will actually get their transplant? And who is going to perform the surgery?
ARE YOU READY TO PLAY DOCTOR?

MISSOURI STATE FACTS

- The Great Seal of Missouri: The Great Seal was designed by Judge Robert William Wells and adopted by the Missouri General Assembly on January 11, 1822. The center of the state seal is composed of two parts. On the right is the United States coat-of-arms containing the bald eagle. In its claws are arrows and olive branches, signifying that the power of war and peace lies with the U.S. federal government. On the left side of the shield, the state side, are the grizzly bear and a silver crescent moon. The crescent symbolizes Missouri at the time of the state seal's creation, a state of a small population and wealth which would increase like the new or crescent moon; it also symbolizes the "second son," meaning Missouri was the second state formed out of the Louisiana Territory.

The shield is encircled by a belt inscribed with the motto, "United we stand, divided we fall," which indicates Missouri's advantage as a member of the United States. The two grizzlies on either side of the shield symbolize the state's strength and its citizens' bravery. The bears stand atop a scroll bearing the **state motto**, "Salus Populi Suprema Lex Esto," which means, "Let the welfare of the people be the supreme law." Below this scroll are the Roman numerals for 1820, the year Missouri began its functions as a state.

The helmet above the shield represents state sovereignty, and the large star atop the helmet surrounded by 23 smaller stars signifies Missouri's status as the 24th state. The cloud around the large star indicates the problems Missouri had becoming a state. The whole state seal is enclosed by a scroll bearing the words, "The Great Seal of the State of Missouri."

- The State Flag: Nearly 100 years after achieving statehood, Missouri adopted an official flag on March 22, 1913. The flag was designed by the late Mrs. Marie Elizabeth Watkins Oliver, wife of former State Senator R.B. Oliver. The flag consists of three horizontal stripes of red, whir, and blue. These represent valor, purity, and justice. In the center white stripe is the Missouri coat-of-arms, circled by a blue band containing 24 stars, denoting that Missouri was the 24th state.

- The State Song: The "Missouri Waltz" became the state song under an act adopted by the General Assembly on June 30, 1949. The song came from a melody by John V. Eppel and was arranged by Frederic Knight Logan, using lyrics written by J.R. Shannon. First Published in 1914, the song did not sell well and was considered a failure. By 1939, the song had gained popularity and six million copies had been sold. Sales increased substantially after Missourian Harry S. Truman became president, and it was reported that the "Missouri Waltz" was his favorite song.

- Missouri Day: On March 22, 1915, the 48th General Assembly set aside the first Monday in October each year as "Missouri Day," due to the efforts of Mrs. Anna Brosius Korn, a native Missourian. In 1969, the 75th General Assembly changed the date to the third Wednesday in October. Missouri Day is a time for schools to honor the state and for the people of the state to celebrate the achievements of all Missourians.

- The State American Folk Dance: Square Dance, Adopted on May 31, 1995

- The State Animal: Missouri Mule, Adopted on May 31,1995

- The State Aquatic Animal: Paddlefish, Adopted on May 23, 1997

- The State Bird: Bluebird, Adopted on March 30, 1927

- The State Fish: Channel Catfish, Adopted on May 23, 1997

- The State Floral Emblem: White Hawthorn Blossom, Adopted on March 16, 1923

MISSOURI STATE FACTS

- **The State Fossil:** Crinoid, Adopted on June 16, 1998

- **The State Insect:** Honeybee, Adopted on July 3, 1985

- **The State Mineral:** Galena, Adopted on July 21, 1967

- **The State Musical Instrument:** Fiddle, Adopted on July 17, 1987

- **The State Rock:** Mozarkite, Adopted on July 21, 1967

- **The State Tree:** Flowering Dogwood, Adopted on June 20, 1955

- **The State Tree Nut:** Eastern Black Walnut, Adopted on July 9, 1990

- **Entered the Union:** August 10, 1821 (24th State)

- **Capitol:** Jefferson City

- **Present Constitution Adopted:** 1945

- **Nickname:** The Show Me State

- **Origin of State Name:** "Missouri" is Indian for "town of large canoes"

- **How Missouri was Named:** Father Jacques Marquette, accompanying explorer Louis Joliet, traveled down the Mississippi River in 1673. During the trip he wrote, "We descend following the course of the river, toward another called Pekitanoui, which empties into the Mississippi, coming from the northwest." Although he called the river "Pekitanoui" - a name apparently given to him by the Sauk Indians - he noted on his map that a large tribe of Indians called the OuMissouri lived upstream. The name had been given to them by their enemies, the Fox tribe of Algonquins, and in the Fox language means "people with big canoes." The Missouris, a branch of Sioux, called the river Nishodse, which means "muddy water." Later, when settlers came, the vast area the river drained (extending westward to the Rocky Mountains) became known as the Missouri Territory. In 1812, when the new state was formed in this territory, it adopted the name MISSOURI.

- **Land Area in Square Miles (National Rank):** 68,945 (18)

- **Number of Counties:** 114 with one independent city (St. Louis)

- **Highest Point:** Taum Sauk Mountain, Iron County, 1,772 feet above sea level

- **Lowest Point:** St. Francis River, Bootheel, 230 feet above sea level

- **Approximate Mean Elevation Above Sea Level (National Rank):** 800 feet (32)

- **Normal Daily Mean Temperature (National Rank):** 54.9°F (21)

- **Percentage of Sunny Days per year (National Rank):** 60% (20)

COUNTY FACTS

Adair County- County Seat: Kirksville; Population: 24,501; Class: 3rd; Square Miles: 567; Organized: January 29, 1941; Named for: John Adair, Governor of Kentucky

Andrew County- County Seat: Savannah; Population: 15,270; Class: 3rd; Square Miles: 436; Organized: January 29, 1841; Named for: Andrew Jackson Davis, a prominent citizen of St. Louis and Savannah

Atchison County- County Seat: Rock Port; Population: 7,291; Class: 3rd; Square Miles: 542; Organized: February 14, 1845; Named for: Dvid Rice Atchison, US senator

Audrain County- County Seat: Mexico; Population: 23,385; Class: 3rd; Square Miles: 692; Organized: December 17, 1836; Named for: James H. Audrain, Missouri legislature

Barry County- County Seat: Cassville; Population: 32,325; Class: 3rd; Square Miles: 773; Organized: January 5, 1835; Named for: William T. Barry, US postmaster general

Barton County- County Seat: Butler; Population: 15,608; Class: 3rd; Square Miles: 597; Organized: December 12, 1855; Named for: David Barton, US senator

Bates County- County Seat: Butler; Population: 15,608; Class: 3rd; Square Miles: 849; Organized: January 29, 1841; Named for: Frederick Bates, governor of Missouri

Benton County- County Seat: Warsaw; Population: 16.050; Class: 3rd; Square Miles: 729; Organized: January 3, 1835; Named for: Thomas Hart Benton, US senator

Bollinger County- County Seat: Marble Hill; Population: 11,361; Class: 3rd; Square Miles: 621; Organized: March 1, 1851; Named for: George F. Bollinger, pioneer settler and Missouri legislator

Boone County- County Seat: Columbia; Population: 125,676; Class: 1st; Square Miles: 687; Organized: November 16, 1820; Named for: Daniel Boone

Buchanan County- County Seat: St. Joseph; Population: 82,066; Class: 1st; Square Miles: 406; Organized: December 31, 1838; Named for: James Buchanan, senator from Pennsylvania and later US President

Butler County- County Seat: Poplar Bluff; Population: 40,217; Class: 3rd; Square Miles: 698; Organized: February 27, 1849; Named for: William O. Butler, a Kentucky congressman

Caldwell County- County Seat: Kingston; Population: 8,589; Class: 3rd; Square Miles: 431; Organized: December 29, 1836; Named for: John Caldwell, Indian Scout

Callaway County- County Seat: Fulton; Population: 36,036; Class: 2nd; Square Miles: 842; Organized: November 25, 1820; Named for: James Callaway, Missouri ranger killed by Indians in the War of 1812

Camden County- County Seat: Camdenton; Population: 32,552; Class: 1st; Square Miles: 641; Organized: January 29, 1814; Named for: Charles Pratt, Earl of Camden

Cape Girardeau- County Seat: Jackson; Population: 65,719; Class: 1st; Square Miles: 577; Organized: October 1, 1812; Named for: Ensign Jean Baptiste Girardot, a French officer

Carroll County- County Seat: Carrollton; Population: 10,273; Class: 3rd; Square Miles: 695; Organized: January 2, 1833; Named for: Charles Carroll of Carrollton

Carter County- County Seat: Van Buren; Population: 6,187; Class: 3rd; Square Miles: 509; Organized: March 10, 1859; Named for: Zimri A. Carter, pioneer settler

Cass County- County Seat: Harrisonville; Population: 75,665; Class: 2nd; Square Miles: 702; Organized: March 3, 1835; Named for: Lewis Cass, Michigan senator and presidential candidate

Cedar County- County Seat: Stockton; Population: 13,012; Class: 3rd; Square Miles: 471; Organized: February 14, 1845; Named for: Its abundance of cedar trees

Chariton County- County Seat: Keytesville; Population: 8,818; Class: 3rd; Square Miles: 758; Organized: November 16, 1820; Named for: The Chariton River

Christian County- County Seat: Ozark; Population: 44,871; Class: 3rd; Square Miles: 564; Organized: March 8, 1859; Named for: Williams Christian, Kentucky War soldier

COUNTY FACTS

Clark County- County Seat: Kahoka; Population: 7,499; Class: 3rd; Square Miles: 507; Organized: December 16, 1836; Named for: William Clark, governor of the Missouri Territory

Clay County- County Seat: Liberty; Population: 170,447; Class: 1st; Square Miles: 403; Organized: January 2, 1822; Named for: Henry Clay, Kentucky congressman

Clinton County- County Seat: Plattsburg; Population: 18,115; Class: 3rd; Square Miles: 423; Organized: January 2, 1833; Named for: DeWitt Clinton, governor of New York

Cole County- County Seat: Jefferson City; Population: 68,185; Class: 1st; Square Miles: 392; Organized: November 16, 1820; Named for: Stephen Cole, pioneer settler and Indian fighter

Cooper County- County Seat: Boonville; Population: 15,947; Class: 3rd; Square Miles: 566; Organized: December 17, 1818; Named for: Sarshel (Benjamin) Cooper, pioneer settler

Crawford County- County Seat: Steelville; Population: 21,754; Class: 3rd; Square Miles: 744; Organized: January 23, 1829; Named for: William H. Crawford, Georgia senator

Dade County- County Seat: Greenfield; Population: 7,919; Class 3rd; Square Miles: 491; Organized: January 29, 1841; Named for: Francis L. Dade, pioneer settler

Dallas County- County Seat: Buffalo; Population: 14,728; Class: 3rd; Square Miles: 543; Organized: January 29, 1841; Named for: George M. Dallas, diplomat and later vice president

Daviess County- County Seat: Gallatin; Population: 7,814; Class: 3rd; Square Miles: 568; Organized: December 29, 1836; Named for: Joseph H. Daviess, Kentucky soldier in the War of 1812

DeKalb County- County Seat: Maysville; Population: 11,037; Class: 3rd; Square Miles: 425; Organized: February 25, 1845; Named for: Johann Kalb, Baron de Kalb

Dent County- County Seat: Salem; Population: 14,054; Class: 3rd; Square Miles: 755; Organized: February 10, 1851; Named for: Lewis Dent, pioneer settler

Douglas County- County Seat: Ava; Population: 12,235; Class: 3rd; Square Miles: 814; Organized: October 29, 1857; Named for: Stephen A. Douglas, Illinois senator and later presidential candidate

Dunklin County- County Seat: Kennett; Population: 32,991; Class: 3rd; Square Miles: 547; Organized: February 14, 1845; Named for: Daniel Dunklin, governor of Missouri

Franklin County- County Seat: Union; Population: 89,485; Class: 1st; Square Miles: 922; Organized: December 11, 1818; Named for Benjamin Franklin

Gasconade County- County Seat: Hermann; Population: 14,615; Class: 3rd; Square Miles: 521; Organized: November 25, 1820; Named for: The Gasconade River

Gentry County- County Seat: Albany; Population: 6,887; Class: 3rd; Square Miles: 493; Organized: February 14, 1845; Named for: Richard Gentry, a Seminole War general

Greene County- County Seat: Springfield; Population: 223,873; Class: 1st; Square Miles: 678; Organized: January 2, 1833; Named for: Nathaniel Greene, Revolutionary War general

Grundy County- County Seat: Trenton; Population: 10,238; Class: 3rd; Square Miles: 437; Organized: January 29, 1841; Named for: Felix Grundy, Tennessee senator and US attorney general

Harrison County- County Seat: Bethany; Population: 8,317; Class: 3rd; Square Miles: 725; Organized: February 14, 1845; Named for: Albert G. Harrison, Missouri congressman

Henry County- County Seat: Clinton; Population: 21,051; Class: 3rd; Square Miles: 729; Organized: December 13, 1834; Named for: Patrick Henry, revolutionary patriot

Hickory County- County Seat: Hermitage; Population: 8,493; Class: 3rd; Square Miles: 411; Organized: February 14, 1845; Named for: Andrew Jackson, "Old Hickory"

COUNTY FACTS

Howard County- County Seat: Fayette; Population: 9,708; Class: 3rd; Square Miles: 464; Organized: January 23, 1816; Named for: Benjamin Howard, governor of the Missouri Territory

Howell County- County Seat: West Plains; Population: 34,972; Class: 3rd; Square Miles: 927; Organized: March 2, 1857; Named for: Josiah Howell, pioneer settler

Iron County- County Seat: Ironton; Population: 10,931; Class: 3rd; Square Miles: 552; Organized: February 17, 1857; Named for: Abundant iron ore

Jackson County- County Seat: Independence; Population: 646,341; Class: 1st; Square Miles: 611; Organized: December 15, 1826; Named for: Andrew Jackson

Jasper County- County Seat: Carthage; Population: 97,965; Class: 1st; Square Miles: 641; Organized: January 29, 1841; Named for: William Jasper, a Revolutionary War soldier

Jefferson County- County Seat: Hillsboro; Population: 188,863; Class: 1st; Square Miles: 668; Organized: December 8, 1818; Named for: Thomas Jefferson

Johnson County- County Seat: Warrensburg; Population: 46,491; Class: 4th; Square Miles: 834; Organized: December.13, 1834; Named for: R.M. Johnson, Kentucky senator and later vice president

Knox County- County Seat: Edina; Population: 4,309; Class: 3rd; Square Miles: 507; Organized: February 14, 1845; Named for: Henry Knox, a Revolutionary War general

Laclede County- County Seat: Lebanon; Population: 29,804; Class: 3rd; Square Miles: 770; Organized: February 24, 1849; Named for: Pierre Laclede Liquest, founder of St. Louis

Lafayette County- County Seat: Lexington; Population: 32,259; Class: 4th; Square Miles: 632; Organized: November 16, 1820; Named for: Marquis de la Fayette

Lawrence County- County Seat: Mt. Vernon; Population: 32,396; Class: 3rd; Square Miles: 614; Organized: February 14, 1845; Named for: James Lawrence, naval hero of the War of 1812

Lewis County- County Seat: Monticello; Population: 10,121; Class: 3rd; Square Miles: 508; Organized: January 2, 1833; Named for: Captain Meriwether Lewis, governor of the Missouri Territory

Lincoln County- County Seat: Troy; Population: 34,119; Class: 3rd; Square Miles: 627; Organized: December 14, 1818; Named for: Benjamin Lincoln, a Revolutionary general

Linn County- County Seat: Linneus; Population: 14,007; Class: 3rd; Square Miles: 620; Organized: January 6, 1837; Named for: Lewis F. Linn, US senator

Livingston County- County Seat: Chillicothe; Population: 14,306; Class: 3rd; Square Miles: 537; Organized: January 6, 1837; Named for: Edward Livingston, secretary of state

Macon County- County Seat: Macon; Population: 15,159; Class: 3rd; Square Miles: 797; Organized; January 6, 1837; Named for: Nathaniel Macon, Revolutionary soldier and North Carolina congressman

Madison County- County Seat: Fredericktown; Population: 11,379; Class: 3rd; Square Miles: 497; Organized: December 14, 1818; Named for: James Madison

Maries County- County Seat: Vienna; Population: 8,208; Class: 3rd; Square Miles: 528; Organized: March 2, 1855; Named for: The Maries River

Marion County- County Seat: Palmyra; Population: 27,841; Class: 3rd; Square Miles: 438; Organized: December 23, 1826; Named for: Francis Marion, a Revolutionary War hero

McDonald County- County Seat: Pineville; Population: 19,030; Class: 3rd; Square Miles: 541; Organized: Mach 3, 1849; Named for: Alexander McDonald, a Revolutionary War soldier

Mercer County- County Seat: Princeton; Population: 4,004; Class: 3rd; Square Miles: 454; Organized: February 14, 1845; Named for: John F. Mercer, a Revolutionary War general

COUNTY FACTS

Miller County- County Seat: Tuscumbia; Population: 22,321; Class: 3rd; Square Miles: 593; Organized: February 6, 1837; Named for: John Miller, governor of Missouri

Mississippi County- County Seat: Charleston; Population: 13,629; Class: 3rd; Square Miles: 410; Organized: February 14, 1845; Named for: The Mississippi River

Moniteau County- County Seat: California; Population: 13,047; Class: 3rd; Square Miles: 417; Organized: February 14, 1845; Named for: The Moniteau Creek

Monroe County- County Seat: Paris; Population: 8,872; Class: 3rd; Square Miles: 670; Organized: January 6, 1831; Named for: James Monroe

Montgomery County- County Seat: Montgomery City; Population: 11,825; Class: 3rd; Square Miles: 540; Organized: December 14, 1818; Named for: Richard Montgomery, a Revolutionary War general

Morgan County- County Seat: Versailles; Population: 17,592; Class: 3rd; Square Miles: 594; Organized: January 5, 1833; Named for: Daniel Morgan, a Revolutionary War general

New Madrid County- County seat: New Madrid; Population: 20,611; Class: 3rd; Square Miles: 679; Organized: October 1, 1812; Named for: Madrid, Spain

Newton County- County Seat: Neosho; Population: 47,751; Class: 3rd; Square Miles: 627; Organized: December 31, 1838; Named for: John Newton, a Revolutionary War soldier

Nodaway County- County Seat: Maryville; Population: 21,030; Class: 3rd; Square Miles: 875; Organized: February 14, 1845; Named for: The Nodaway River

Oregon County- County Seat: Alton; Population: 10,095; Class: 3rd; Square Miles: 792; Organized: February 14, 1845; Named for: The Territory of Oregon

Osage County- County Seat: Linn; Population: 12,396; Class: 3rd; Square Miles: 606; Organized: January 29, 1841; Named for: The Osage River

Ozark county- County Seat: Gainesville; Population: 9,629; Class: 3rd; Square Miles: 731; Organized: January 29, 1841; Named for: The Ozark Mountains

Pemiscot County- County Seat: Caruthersville; Population: 21,666; Class: 3rd; Square Miles: 517; Organized: February 19, 1851; Named for: Indian word meaning "liquid mud"

Perry County- County Seat: Perryville; Population: 17,433; Class: 3rd; Square Miles: 473; Organized: November 16, 1820; Named for: Oliver H. Perry, naval hero of the War of 1812

Pettis County- County Seat: Sedalia; Population: 36,767; Class: 4th; Square Miles: 686; Organized: January 24, 1833; Named for: Spencer Pettis, Missouri congressman

Phelps County- County Seat: Rolla; Population: 37,848; Class: 3rd; Square Miles: 674; Organized: November 13, 1857; Named for: John F. Phelps, congressman and governor of Missouri

Pike County- County Seat: Bowling Green; Population: 16,169; Class: 3rd; Square Miles: 673; Organized: December 14, 1818; Named for: Zebulon Montgomery Pike, explorer

Platte County- County Seat: Platte City; Population: 67,251; Class: 1st; Square Miles: 421; Organized: December 31, 1838; Named for: The Platte River

Polk County- County Seat: Bolivar; Population: 26,148; Class: 3rd; Square Miles: 642; Organized: January 5, 1835; Named for: James K. Polk

Pulaski County- County Seat: Waynesville; Population: 34,334; Class: 3rd; Square Miles: 551; Organized: January 19, 1833; Named for: Casmir Pulaski, Polish general of the American Revolution

Putnam County- County Seat: Unionville; Population: 5,049; Class: 3rd; Square Miles: 520; Organized: February 28, 1845; Named for: Israel Putnam, a Revolutionary War general

Ralls County- County Seat: New London; Population: 8,905; Class: 3rd; Square Miles: 481; Organized: November 16, 1820; Named for: Daniel Ralls, Missouri legislator

Randolph County- County Seat: Huntsville; Population: 23,793; Class: 3rd; Square Miles: 473; Organized: January 22, 1829; Named for: John Randolph of Virginia

COUNTY FACTS

Ray County- County Seat: Richmond; Population: 22,660; Class: 3rd; Square Miles: 568; Organized: November 16, 1820; Named for: John Ray, member of the first state Constitutional Convention

Reynolds County- County Seat: Centerville; Population: 6,699; Class: 3rd; Square Miles: 808; Organized: February 25, 1845; Named for: Thomas Reynolds, governor of Missouri

Ripley County- County Seat: Doniphan; Population: 13,626; Class: 3rd; Square Miles: 632; Organized: January 5, 1833; Named for: Eleazar W. Ripley, a soldier in the War of 1812

St. Charles County- County Seat: St. Charles; Population: 255,066; Class: 1st; Square Miles: 558; Organized: October 1, 1812; Named for: St. Charles Borromeo, Italian Cardinal

St. Clair County- County Seat: Osceola; Population: 9,100; Class: 3rd; Square Miles: 698; Organized: January 29, 1841; Named for: Arthur St. Clair, a Revolutionary War general

St. Francois County- County Seat: Farmington; Population: 53,843; Class: 4th; Square Miles: 451; Organized: December 19, 1821; Named for: The St. Francois River

St. Louis County- County Seat: Clayton; Population: 1,003,807; Class: 1st; Square Miles: 505; Organized: October 1, 1812; Named for: St. Louis (King Louis IX of France), patron saint of King Louis XV

Ste. Genevieve County- County Seat: Ste. Genevieve; Population: 16,853; Class: 3rd; Square Miles: 504; Organized: October 1, 1812; Named for: The French Saint, Patroness of Paris

Saline County- County Seat: Marshall; Population: 22,922; Class: 4th; Square Miles: 755; Organized: November 25, 1820; Named for: Its numerous salt springs

Schuyler County- County Seat: Lancaster; Population: 4,376; Class: 3rd; Square Miles: 308; Organized: February 14, 1845; Named for: Philip Schuyler, a Revolutionary War general

Scotland County- County Seat: Memphis; Population: 4,800; Class: 3rd; Square Miles: 439; Organized: January 29, 1841; Named for: Scotland

Scott County- County Seat: Benton; Population: 40,241; Class: 3rd; Square Miles: 423; Organized: December 28, 1821; Named for: John Scott, Missouri congressman

Shannon County- County Seat: Eminence; Population: 7,976; Class: 3rd; Square Miles: 1,004; Organized: January 29, 1841; Named for: George Shannon of the Lewis and Clark Expedition

Shelby County- County Seat: Shelbyville; Population: 6,845; Class: 3rd; Square Miles: 501; Organized: January 2, 1835; Named for: Isaac Shelby, governor and Revolutionary War soldier

Stoddard County- County Seat: Bloomfield; Population: 29,625; Class: 3rd; Square Miles: 815; Organized: January 2, 1835; Named for: Amos Stoddard, first American Civil Commandant of Upper Louisiana

Stone County- County Seat: Galena; Population: 25,875; Class: 3rd; Square Miles: 451; Organized: February 10, 1851; William Stone, pioneer judge of Taney County

Sullivan County- County Seat: Milan; Population: 6,648; Class: 3rd; Square Miles: 651; Organized: February 14, 1845; Named for: James Sullivan, a Revolutionary War general

Taney County- County Seat: Forsyth; Population: 33,271; Class: 3rd; Square Miles: 608; Organized: January 4, 1837; Named for: Roger B. Taney, Chief Justice of the US Supreme Court

Texas County- County Seat: Houston; Population: 22,385; Class: 3rd; Square Miles: 1,180; Organized: February 14, 1845; Named for: The Republic of Texas

Vernon County- County Seat: Nevada; Population: 19, 285; Class: 3rd; Square Miles: 837; Organized: February 27, 1855; Named for: Miles Vernon, Missouri legislator

COUNTY FACTS

Warren County- County Seat: Warrenton; Population: 22,873; Class: 3rd; Square Miles: 429; Organized: January 5, 1833; Named for: Joseph Warren, a Revolutionary War general

Washington County- County Seat: Potosi; Population: 22,315; Class: 3rd; Square Miles: 762; Organized: August 21, 1813; Named for: George Washington

Wayne County- County Seat: Greenville; Population: 12,842; Class: 3rd; Square Miles: 763; Organized: December 11, 1818; Named for: Anthony Wayne, a Revolutionary War general

Webster County- County Seat: Marshfield; Population: 27,601; Class: 3rd; Square Miles: 594; Organized: March 3, 1855; Named for: Daniel Webster

Worth County- County Seat: Grant City; Population: 2,335; Class: 3rd; Square Miles: 266; Organized: February 8, 1861; Named for: William Jenkins Worth, a soldier in the Florida and Mexican wars

Wright County- County Seat: Hartville; Population: 19,241; Class: 3rd; Square Miles: 682; Organized: January 29, 1841; Named for: Silas Wright, a New York senator

City of St. Louis- St. Louis; Population: 351,565; Class: 1st; Square Miles: 61; Organized: April 1764; Named for: St. Louis (King Louis IX of France), patron of King Louis XV

** All State & County Facts were taken from the Official Manual, State of Missouri 1997-1998 written by Rebecca McDowell Cook, Secretary of State **

INTERNET WEB SITES OF INTEREST

County Sites:

Audrain County: http://www.audrain-county.org/

Boone County: http://boone.county.missouri.org/

Camden County: http://www.odd.net/sheriff/

Cass County: http://casscounty.com/index.htm

Clay County: http://home.co.clay.mo.us/

Cole County: http://www.primelink.com/cole/

City of Columbia: http://www.coin.missouri.edu/index-graphic.html

Franklin County: http://usmo.com/~franklin/

Jackson County: http://jacomoded.org/

Laclede County: http://laclede.county.missouri.org/

Platte County: http://co.platte.mo.us/

Phelps County: http://www.rollanet.org/~phelps/

St. Charles County: http://www.win.org/county/sccg.htm

St. Louis County: http://www.co.st-louis.mo.us/

State/Data Sites:

MSDIS: http://msdis.missouri.edu/

MMA: http://msdis.missouir.edu/mma

State Tax Commission: http://www.dor.state.mo.us.stc/

DASC (Kansas): http://gisdasc.kgs.ukns.edu.dasc.html

National Sites:

Directions Magazine: http://www.directionsmag.com/default.asp

Missouri River GIS (Corps): http://www.mvd.usace.army.reegis.htm

Wisconsin Real Property Listers: http://www.execpc.com/~olio/wrpla/index.html

Software:

ESRI Grants: http://www.esri.com/industries/localgov/grants-new.html

Space Imaging: http://netweb.spaceimaging.com/sidweb/atartframe.htm

Intergraph: http://www.intergraph.com

AutoCAD: http://www.autodesk.com/products/acad2000/

CONSTITUTION OF THE MISSOURI MAPPERS ASSOCIATION

The name of this organization shall be the Missouri Mappers Association. It's purpose is to bring together those persons concerned with property mapping in the state and local governments and private industry without regard to the unit of government or department in which such persons perform their duties. The Association shall be non-profit and any dues or other funds shall be used to further the objectives of the Association.

ARTICLE I
Objectives

Section 1 To create a frame work in which the various governmental units of Missouri and others may cooperate in the investigation, study, discussion, and recommendation of improvement in property mapping and land record management.

Section 2 To provide a forum in which officials of various agencies of state and local governments and others concerned with property mapping may address common problems.

Section 3 To provide a means whereby property mappers and other interested in property mapping may interchange ideas and experiences and obtain advice.

Section 4 To advance property mapping knowledge and practice through education.

Section 5 To encourage a high standard of experience as a means to more effectively serve the public.

Section 6 To work toward the improvement of the technical quality of property maps available to the government.

Section 7 To support legislation beneficial to property mappers and land record management.

ARTICLE II
Membership

Section 1 Regular Members: Mappers, mapping supervisors, department heads in charge of mapping, and those directly involved shall be entitled to regular membership.

Section 2 Subscribing Members: Persons or firms not eligible for regular membership, that are interested in property mapping.

Section 3 Student Members: Students at a university, college, trade or other equally recognizable school, not eligible for regular membership, that are interested in property mapping.

Section 4 Rejection: The right to reject any application for membership is hereby reserved for the Executive Committee.

Section 5 Voting Rights: The right to hold office and vote is open to all members in good standing, with the exception of student members.

Section 6 Transfer of Membership: Whenever the dues of a member are paid by the employer, and the member resigns, retires or other wise vacates the position during the period for which the dues have been paid; the membership may be transferred to the successor upon receipt of written notice to the Association by said employer.

CONSTITUTION OF THE MISSOURI MAPPERS ASSOCIATION

ARTICLE III
Officers

Section 1 Selection: At each annual meeting there shall be elected for the term of one (1) year, by the membership in good standing who are present, a President, a Vice-President, and a Secretary. The Treasurer and two (2) Directors shall be elected for a term of two (2) years, by the membership in good standing who are present, with one (1) Director being elected each year. Beginning in 1988, one (1) Director shall be elected for a full two (2) year term and one (1) Director shall be elected for a half, one (1) year term. One Director shall be elected each year therafter, so that the terms of the Directors shall be staggered.

Section 2 Executive Committee Members: The Executive Committee shall consist of the President, the Immediate Past President, Secretary, Treasurer, and Directors. The President shall be the chairperson of the Executive Committee and may call a committee together in the interest of the Association at his or her discretion or upon written request of three (3) committee members. The governing body of the Association shall be the 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 any of the provisions of this constitution or resolutions or bylaws adopted in meeting of the Association. The Executive Committee shall approve the budgets for all committees, and these budgets shall not exceed without the approval of the Executive Committee.

Section 3 Quorum: For the purpose of transacting official business, a quorum of the Executive Committee shall consist of not less than four (4) members thereof.

Section 4 Vacancy of Offices: Whenever a vacancy in the Executive Committee shall occur, the Nominating Committee shall appoint a voting member in good standing to fill the vacancy, who shall serve until the next annual meeting, provided when a vacancy occurs in the office of the President, the Vice-President, shall immediately succeed thereto.

Section 5 Compensation: Officers and Directors shall serve without compensation, except the reasonable expense to attend special meetings, may be approved by the Executive Committee.

ARTICLE IV
Duties of Officers

Section 1 President: The President shall be the Chairperson, and preside at all general association meetings and executive meetings and executive committee meetings, or designate the Vice-President, in his or her absence or another member of the Executive Committee. The President shall have power to appoint regular or special committees as he or she may deem necessary.

Section 2 Vice-President: The Vice-President shall exercise all the powers and duties of the President during his or her absence or inability to act and shall perform such other duties as may be assigned by the Executive Committee. The Vice-President shall also act as coordinator of the Standing Committee.

Section 3 Secretary: The Secretary shall keep roll of all members of the Association and a true up-to-date record of all proceedings of the Association and meeting of the Executive Committee, subject to the inspection and approval of the Executive Committee, which shall be turned over to his or her immediate successor in office.

Section 4 Treasurer: The Treasurer shall be the chief financial agent of the Association and shall exercise such authority and perform such duties of the Association as may be prescribed by the Executive Committee. The Treasurer shall have custody of all funds, securities, and legal instruments of the Association and shall be responsible for their safekeeping. To this end the Treasurer may, subject to approval of the Executive Committee, determine the place and manner of depositing and safekeeping of such funds, securities, and legal instruments. A correct account of all receipts and distributions must be kept and a complete up-to-date report submitted at each annual meeting. The Executive Committee shall have full rights to examine and cause an audit to be made at any time.

Section 5 Directors: The Directors shall help guide the Association to achieve its objectives by their involvement in the Executive Committee. They shall serve on the Executive Committee with the same voting rights as the other officers.

ARTICLE V
Nomination & Elections

Section 1 Nominations & Elections: The President shall appoint each year a Nomination Committee consisting of three (3) voting members in good standing who shall select at least one (1) name from the membership, in good standing, as a candidate for each office and make the necessary report at each annual meeting.

Section 2 Additional nominations for each office may be made from the floor at any annual meeting, by any voting member in good standing.

Section 3 Officers shall be elected by majority vote at the annual meeting.

ARTICLE VI
Meetings

Section 1 The Association shall hold its annual General meetings at which time the election and installation of officers shall take place. The Executive Committee shall have authority to call special meetings at such time as it deems necessary.

Section 2 Notice: Notice of the annual and any special meetings shall be given to all members by mail, not less than 15 days prior to such meetings. Notice shall state the date, time and place of the meeting, along with an agenda of business to be conducted.

Section 3 Quorum: Any business, including the election of officers, can be transacted by a majority of the voting membership in good standing who are present.

ARTICLE VII
Amendments

Section 1 This 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.

Section 2 All proposed amendments shall be submitted to the Executive Committee for its review, no later than 60 days in advance of the annual meeting.

CONSTITUTION OF THE MISSOURI MAPPERS ASSOCIATION

ARTICLE VIII
Definition of "PROPERTY MAPPING"

PROPERTY MAPPING is the compilation or representation of cadastral information form the primary sources of deeds, surveys, plats, and base maps for the purpose of creating a graphic representation of land ownership, within a governmental unit for assessments, zoning or other purposes.

The information developed from property mapping may be used as a basis for further investigation into primary sources of deeds, plats, and surveys, but does not serve as a substitute for the primary sources of cadastral mapping.

THE MISSOURI MAPPERS ASSOCIATION BYLAWS

1. Committees

The following committees shall be appointed by the President each year.

A. Membership Committee
B. Education Committee
C. Publication Committee
D. Legislative Committee
E. Certification Committee
F. Annual Meeting Committee
G. Awards Committee
H. Cadd Committee
I. Historical Committee

2. Annual Dues

The annual dues shall be $15.00 for regular members, $25.00 for subscribing members, and $5.00 for student members.

3. Time of Annual Meeting

The Association's Annual Meeting shall be held at the discretion of the Executive Committee.

4. Fiscal Year

The Association's Fiscal Year shall begin August 1 and close on July 31 of each year.

5. Approve of Expenditures

All Association expenditures shall be approved by the President and Treasurer.

6. Chapters

The Association, with the approval of it's Board of Directors, may authorize and chapter local chapters, consolidate chapters or revoke chapter charters for good cause. Chapters shall coextensive in geographical area, application for the charter of a chapter shall be in writing, signed by not fewer than ten (10) members in good standing, and shall be submitted to the Board of Directors of the Missouri Mappers Association for it's approval.

Such local chapters may provide for their internal government and regulations by Bylaws which shall not be in conflict with the Constitution and Bylaws of the Association and which shall be submitted to the Board of Directors of the Association for it's approval.

Each local chapter is required to have it's chairperson or a chapter member, as designated by the chairperson of such chapter, in attendance at each quarterly meeting and give a report to the Board of Directors,

7. Amendments

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

PROFESSIONAL MISSOURI MAPPERS (PMM)
DESIGNATION PROGRAM OUTLINE
REVISED: 1992

A. Introduction

"A profession is a body of people who carry on their work in accordance with rules designed to enforce certain standards both for the protection of its members and for better service to the public." Mapping, like other professions, requires special study, knowledge, and skill. The Missouri Mappers Association has instituted a program design to raise the professional standards of mapping personnel, and recognize those superior skills. The professional designation outlined is a result of this effort.

Attainment of the Professional Missouri Mapper (PMM) Designation is a true challenge. In addition to ability, it requires a substantial amount of study and knowledge. Those who achieve this difficult goal should be very proud; there are some who will fail. Yet, if this were not so, the designation would not be worth the time, effort, and patience required to attain it.

B. Objectives

Realizing that the fair and equitable administration of property mapping requires a high level of competence in many areas, the Missouri Mappers Association has instituted the PMM designation. The PMM Designation is designed for those professionals who are engaged in the use, production, or maintenance of cadastral maps.

The program is designed to raise the standards of the mapping profession, to attain recognition by governmental authorities and the public of the mapping profession, and to gain for members recognition as qualified, objective and competent mapping professionals.

C. Administration

The PMM program is administered by the Professional Certification Committee. This committee will be made up of Professional Missouri Mappers in good standing, consisting of a Chairman appointed by the President of the Missouri Mappers Association and 4 members appointed by the Chairman. If the board liaison is a PMM he or she may serve on this committee as one of the 4 members. The duties of the Professional Certification Committee are to prescribe the policy regarding the applicant's requirements, to screen all applicants, to prepare suitable examinations, and to recommend to the Executive Board individuals qualified to receive the Professional Designation.

D. Candidate Application Requirements for the PMM Designation

1. Applicant Must be a member in good standing of the Missouri Mappers Association and must make formal application candidacy. These applications are available from the Committee Chairman.

2. Applicant must submit a candidacy application form with appropriate fee.

E. PMM Designation Requirements

To qualify as a Professional Missouri Mapper a person shall complete all of the requirements listed below. The minimum requirements for PMM designation are:

1. Have five (5) full years if cadastral mapping experience or it's equivalent.

2. Be engaged in the use, production or maintenance of maps.

3. Attended a minimum of 30 hours of study in mapping, surveying or a closely-related subject.

4. Successfully complete a certification examination which will be established and revised when necessary by the Certification Committee.

F. Certification Examination

A validated examination is necessary to test the applicant's knowledge of cadastral mapping principles and techniques. The examination for PMM requires seven hours to complete and is composed of three parts briefly described as follows:

Part I (1 hour & 15 minutes)

A 90 question comprehensive, multiple choice and true/false test that will test your general knowledge of mapping worth 100 points.

Part II (4 hours & 30 minutes)

A 16 question, 200 point compilation exercise designed to test your analytical and technical abilities.

Part III (1 hour & 15 minutes)

A 50 point inking exercise designed to test you craftsmanship and skill.

A score of 70% or 245 points out of the possible 350 shall be required to pass.

The examination may only be taken once within any 12 month period only after all other requirements have been met. It may be given in more than one location on the same day depending on the need and location of applicants. The time and locations will be determined by the Certification Committee. Efforts will be made to give the examination in location convenient to the candidates.

G. Awarding the Designation

The candidate shall assert by affidavit that if designated he or she will abide by the MMA bylaws and the requirements of the Professional Missouri Mappers Program. After the candidate completes all requirements for the Professional Designation, the Executive Board on the recommendation of the Certification Committee, will award the appropriate designation.

H. Evidence of Designation

Each PMM designee will receive a certificate of designation issued by the MMA as approved by the Executive Board.

PROFESSIONAL MISSOURI MAPPERS (PMM)
DESIGNATION PROGRAM OUTLINE
REVISED: 1992

I. Use of the Professional Designation - PMM

Members of the Missouri Mappers Association who have been awarded the PMM Designation may identify themselves by their designation. PMM is the abbreviation for the word Professional Missouri Mapper (it should be noted that the abbreviations do not have periods between the letters). In the event that the designation of an individual is terminated by resignation, expulsion of for any other reason and also during any period that an individual's privileges of membership or designation are suspended for any reason the individual shall refrain from using or displaying the designation PMM.

The PMM Certification of Designation and other such evidence of the designation issued at any time to a member of the Missouri Mappers Association, shall remain the permanent property of the Missouri Mappers Association and must be returned to the Executive Board of the individual to whom such materials are issued is suspended or terminated for any reason.

J. Maintaining Certification

In order to maintain a high level of professionalism, it is necessary for professional designees to keep abreast of the ever changing mapping field. In order to maintain the PMM designation, the following will be necessary:

1. Maintain active membership on the Missouri Mappers Association.

2. Accumulate a minimum of 10 points within a 12 month period and keep a record format designation by the Certification Committee in accordance with the PMM CERTIFICATION REQUIREMENTS.

LIST OF PMMS

Stan Balsman

Gary Drennan

Robert Norris

Floyd Evans

Dan Roe

Timothy J Houtchens SR

Carl Sohn

Christy Linhart

Linda Crane

Jeff Davis

Loyola Vondera

Linda Reynolds

Barbara Kaszuba

Stephanie Trejo

Belinka Novotny-Held

Kathy Edwards

Marti Buckner

LIST OF ATTENDEES

Patty Williams
Darrel L King
Linda S Crane, PMM
George Frink
Joseph M Cochran
Belinka Novotny-Held, PMM
Sheryl Steward
Gladys Smith
Sheila Dyer
Brenda A Oliver
Glen D Nicoll
Joy Hoover McQuay
Lori Scott
Scott Perkins
Sandra Cadenhead
Kevin Rasmussen
Donna Heembrock
Gene Buis
Beth Gudde
Cindy Carter
John C Gover
Stan Balsman
Bob Raines
Deanna DeJarnett
Jim Montgomery
Bill Ringhausen
Carol Rugen
Syl Schoenberg
Bob Norris, PMM
Marti Buckner, PMM
George Meyers
Ted Zeilman
Larry White
Kyle Gjeruldsen
Carl Sohn, PMM
Lori Patterson
Carol Linnison
Keith Hassler
Russ Mueller
Roger Arnez
Georgia M Spurgeon
Evonda Limbach
King Coltrin
Timothy J Houtchins, PMM
Richard Morrison
Gene Zimmerman
Robin Bartley
Kathleen O'Conner
Dan Reece
Drevis A Burke
Ivan Hewitt JR

Mike Sutherland
Jeff Davis, PMM
Susan Oser
Marion Tibbs
Ronald R Jarrett
Joseph G Bolte
Jackie Leighty
Lori Jones
Mike Kemper
Tatyana Uglova
Sarah Anderson
Jerry L Reynolds
Chris Haslip
Cody Buhrmeister
Frank Adam JR
Joe Bennett
Christy Linhart, PMM
Nancy Hartzell
Barbara Kaszuba, PMM
Paula Ghidotti
Dawson Heathman
Jennifer Peterson
Pam Ramey
Sandy Estes
Larry Hixson
Jim Kyle
Fred McGruder
Stephanie Trejo, PMM
Teresa Barnes
Ed L Ward
Chris Matthews
Kent Wollard
Kay Schenewark
Bill Overschmidt
Curtis S Ellison
Carol Misener
Loyola Vondera, PMM
Fred Vahle
Debbie Briedwell
Judy Logan
Lari Anne Crawford
Ronnie Simmons
Bill Thompson
Linda Reynolds, PMM
Eric Rodenberg
Stacey Priest
Brenda Shortt
Sherry Turner
Linda Miller
Dale Schmutzler

LIST OF GOLF PARTICIPANTS

Don Cleveland - MJ Harden Associates

Tracy Conn - ProMap Corporation

Scott Gary - ProMap Corporation

Joseph Cochran - Miller County

Randy Mayden - MJ Harden Associates

John DiGiovanni - MJ Harden Associates

Cody Buhrmeister - Western Air Maps

Scott Perkins - Western Air Maps

Tom Everly - Daviess County

Gene Buis - Harrison County

Larry Schall - Shafer, Kline & Warren

Ivan Hewett - Andrew County

Mike Cox - MJ Harden Associates

Glen Nicoll - Barry County

King Coltrin - Great River Engineering

Rodney Dolbeare - Great River Engineering

Jim Kyle - State Tax Commission

Ronnie Simmons - New Madrid County

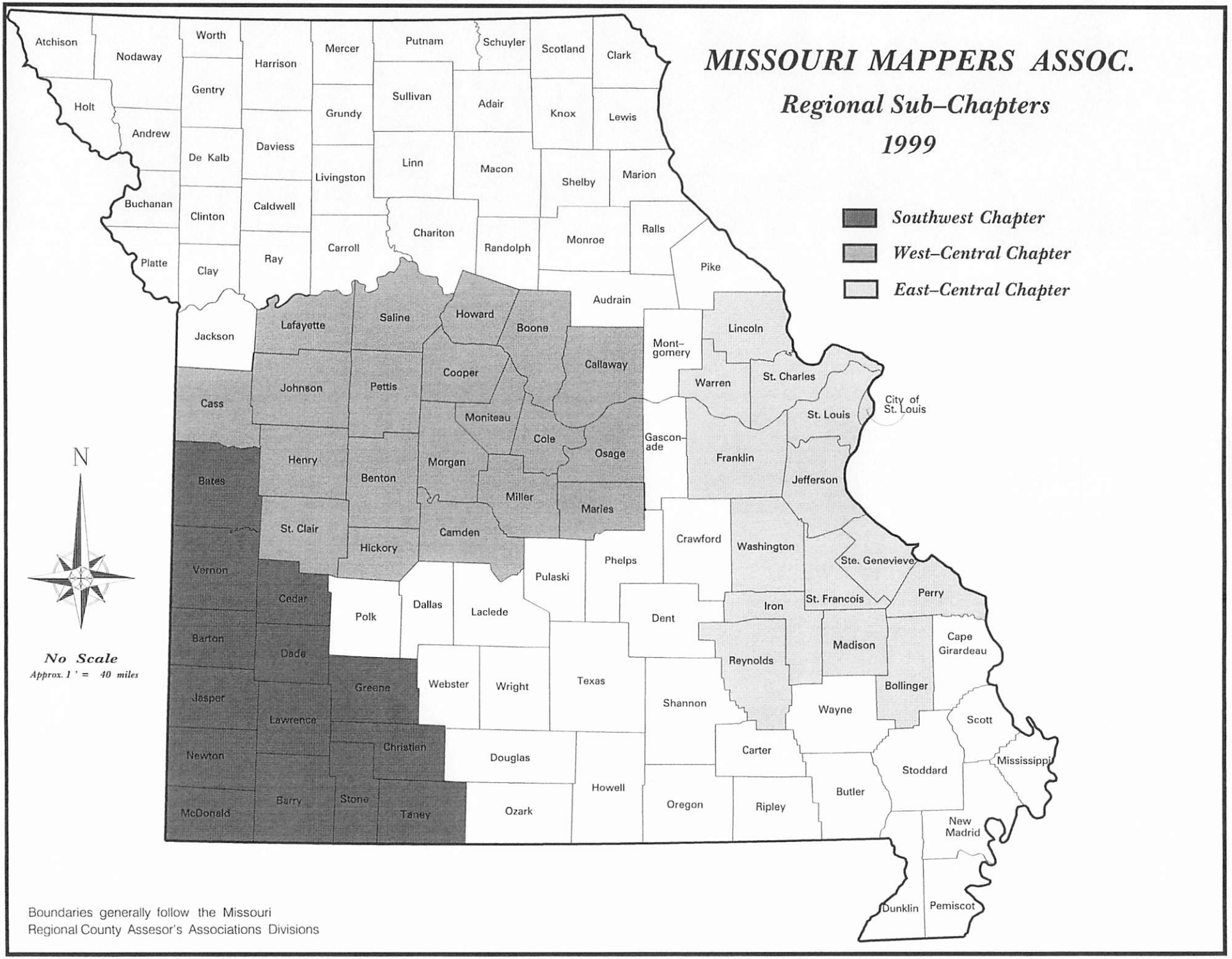
Jerry Reynold - Cape Girardeau County

Roger Arzen - Cape Girardeau County

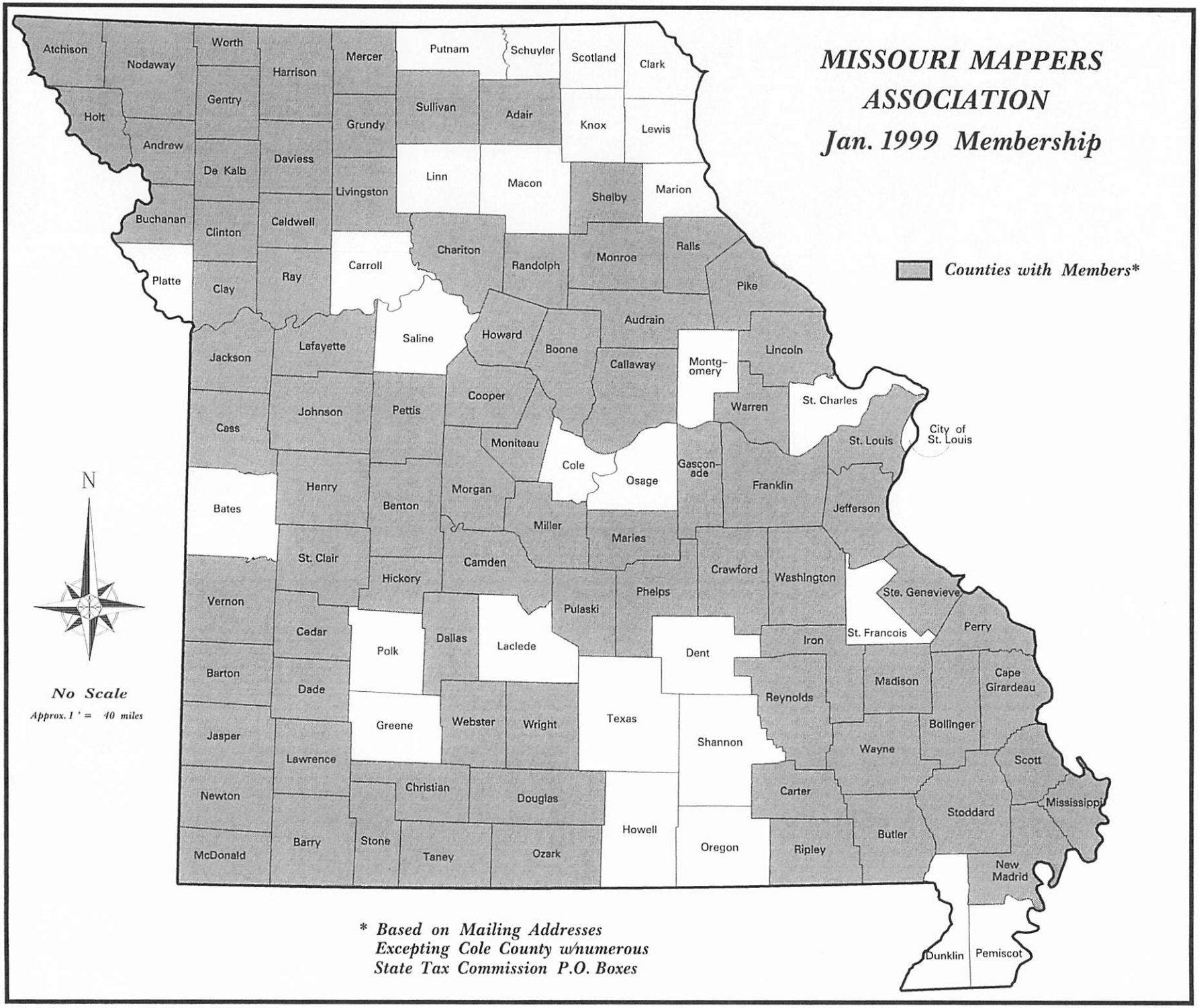
Hole Sponsors:

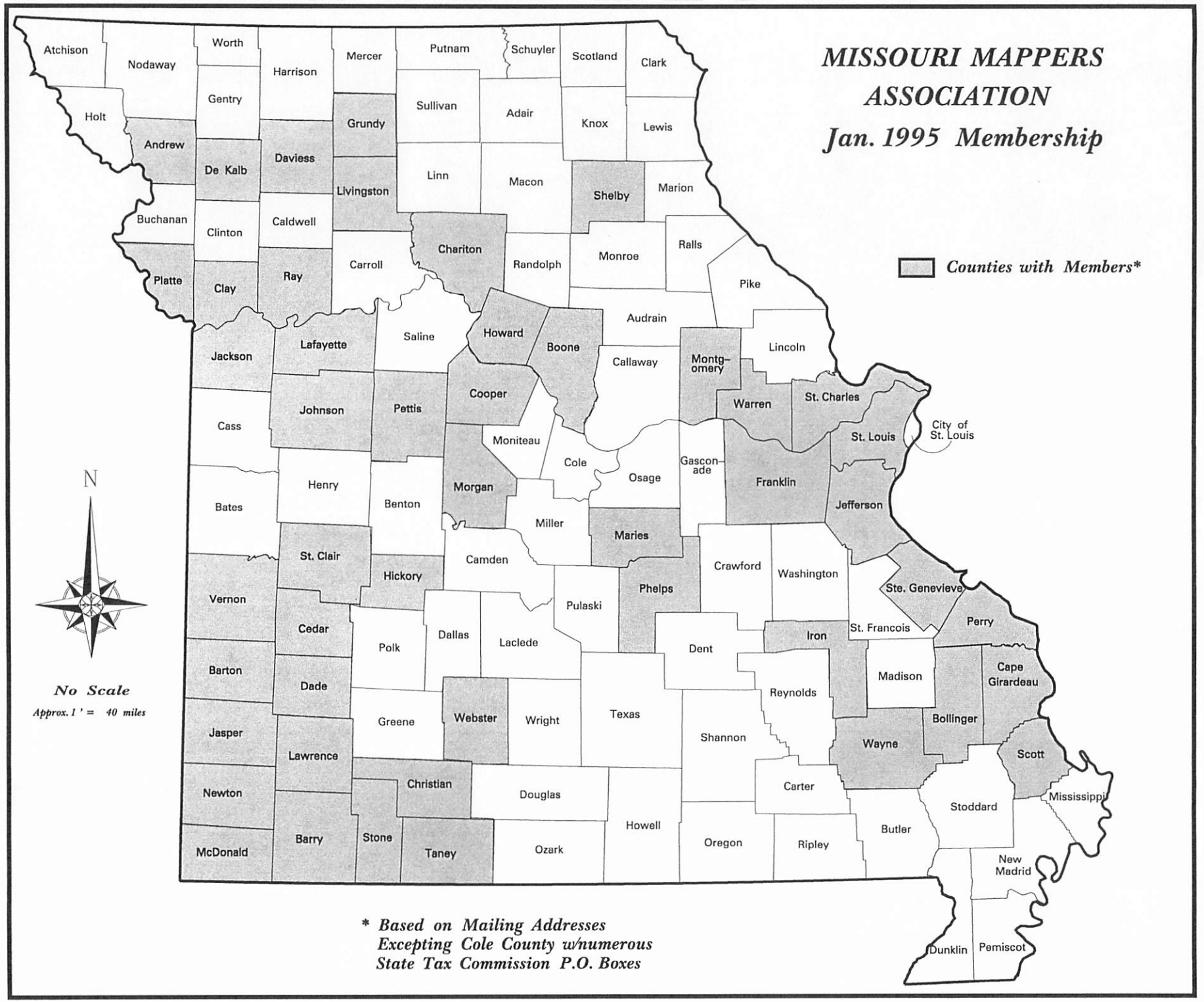
MJ Harden Associates

Great River Engineering



Boundaries generally follow the Missouri Regional County Assesor's Associations Divisions


MISSOURI MAPPERS ASSOCIATION
Jan. 1999 Membership
Counties with Members*
Atchison
Nodaway
Worth
Harrison
Mercer
Putnam
Schuyler
Scotland
Clark
Holt
Gentry
Grundy
Sullivan
Adair
Knox
Lewis
Andrew
De Kalb
Daviess
Livingston
Linn
Macon
Shelby
Marion
Buchanan
Clinton
Caldwell
Carroll
Chariton
Randolph
Monroe
Ralls
Platte
Clay
Ray
Pike
Saline
Howard
Boone
Audrain
Jackson
Lafayette
Callaway
Montgomery
Lincoln
Cass
Johnson
Pettis
Cooper
Warren
St. Charles
City of St. Louis
St. Louis
Moniteau
Cole
Osage
Gasconade
Franklin
Jefferson
Bates
Henry
Benton
Morgan
Miller
Maries
St. Clair
Camden
Crawford
Washington
Ste. Genevieve
Hickory
Phelps
Perry
Vernon
Cedar
Polk
Dallas
Laclede
Pulaski
Dent
Iron
St. Francois
Barton
Dade
Greene
Webster
Wright
Texas
Reynolds
Madison
Cape Girardeau
Jasper
Lawrence
Shannon
Bollinger
Wayne
Scott
Newton
Christian
Douglas
Carter
Stoddard
Mississippi
McDonald
Barry
Stone
Taney
Ozark
Howell
Oregon
Ripley
Butler
New Madrid
Dunklin
Pemiscot
N
No Scale
Approx. 1" = 40 miles
* Based on Mailing Addresses
Excepting Cole County w/numerous
State Tax Commission P.O. Boxes


MISSOURI MAPPERS ASSOCIATION
Jan. 1995 Membership
Counties with Members*
Atchison
Nodaway
Worth
Harrison
Mercer
Putnam
Schuyler
Scotland
Clark
Holt
Gentry
Grundy
Sullivan
Adair
Knox
Lewis
Andrew
De Kalb
Daviess
Livingston
Linn
Macon
Shelby
Marion
Buchanan
Clinton
Caldwell
Carroll
Chariton
Randolph
Monroe
Ralls
Platte
Clay
Ray
Pike
Audrain
Howard
Boone
Callaway
Montgomery
Lincoln
Jackson
Lafayette
Saline
Warren
St. Charles
Cooper
Johnson
Pettis
Cass
Moniteau
Cole
Osage
Gasconade
St. Louis
City of St. Louis
Franklin
Jefferson
Morgan
Henry
Benton
Bates
Miller
Maries
St. Clair
Camden
Crawford
Washington
Ste. Genevieve
Hickory
Phelps
Perry
Vernon
Cedar
Pulaski
Dallas
Polk
Laclede
Dent
St. Francois
Iron
Barton
Dade
Madison
Cape Girardeau
Greene
Webster
Wright
Texas
Reynolds
Bollinger
Jasper
Lawrence
Shannon
Wayne
Scott
Christian
Carter
Newton
Douglas
Howell
Stoddard
Mississippi
Barry
Stone
Oregon
Butler
McDonald
Taney
Ozark
Ripley
New Madrid
Dunklin
Pemiscot
N
No Scale
Approx. 1 " = 40 miles
* Based on Mailing Addresses
Excepting Cole County w/numerous
State Tax Commission P.O. Boxes