



MMA NEWS

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

Missouri Mappers Association 1996-1997 Executive Board

President

Jeff Davis, PMM, Boone County
801 E Walnut Rm 143
Columbia, MO 65201
573-886-4262

Vice-President

Marti Buckner, Hickory County
HC 77 Box 953
Pittsburg, MO 65724
417-745-6346

Secretary

Kathy Edwards, PMM, Franklin County
PO Box 44
Union, MO 63084
314-583-6389

Treasurer

Belinka Novotny-Held, PMM, Jefferson County
PO Box 100
Hillsboro, MO 63050
314-797-5467

Director

Gladys Smith, St. Clair County
R2 Box 193B
Osceola, MO 64776
417-646-8880

Director

Linda Crane, PMM, Boone County
801 E Walnut Rm 143
Columbia, MO 65201
573-886-4260

Immediate Past President

Randy Mayden, M.J. Harden Associates, Inc
1019 Admiral Boulevard
Kansas City, MO 64106
816-889-1114



MMA 13TH ANNUAL CONVENTION ITINERARY

Plans are being finalized for the thirteenth annual MMA convention to be held at the Holiday Inn Executive Center in Columbia, August 20, 21, and 22, 1997. Room rates are \$59.50 plus tax; up to four in a room. Contact the hotel (573)445-8531 to reserve a room. The registration fee is \$80.00 for regular members and \$75.00 for student members. All registrations include the 1997-98 membership dues of \$15.00. Additional meal tickets are available for your spouse or guest.

The 13th Annual Convention itinerary is as follows:

WEDNESDAY, AUGUST 20, 1997

6:00p.m.-8:00p.m. Pre Registration, Lobby

8:00p.m.-10:00p.m. Informal get together, Atrium or Patio

THURSDAY, AUGUST 21, 1997

8:00a.m.-9:15a.m. PMM breakfast (*included for PMM designees*)

8:00a.m.-9:30a.m. Registration

9:30a.m.-11:30a.m. Bob Meyers, Fundamentals of Mapping

11:30a.m.-12:00p.m. Business Meeting

12:00p.m.-1:00p.m. Lunch (*Included*)/Introduction of Exhibitors

1:00p.m.-2:00p.m. George Yerion, Transferring Mapping to GIS

2:00p.m.-3:00p.m. Election of Officers and Conclude Business Meeting

3:00p.m.-5:00p.m. Committees meet/Visitation of Exhibits

6:00p.m.-7:00p.m. Informal Reception/Visitation of Exhibits

7:00p.m.-8:30p.m. Dinner (*Included*)

8:30p.m.-12:00a.m. Casino Night

FRIDAY, AUGUST 22, 1997

8:00a.m.-10:00a.m. Breakfast (*Included*) and Guest Speaker

10:00a.m.-11:30a.m. Swearing in of Officers and Closing Remarks

After many years of
marital bliss, tension
enters the Kent household.



ANNOUNCEMENTS

Committee Members Wanted

Committee members are needed to serve on the various committees for the upcoming year. This is a great opportunity to meet interesting people. Learn new techniques and offer insight on how various tasks should be performed. Help to keep the Missouri Mapping Association an interesting organization by volunteering your time and creative ideas. Remember **MMA WANTS YOU!** Sign up for the committee of your choice at the annual meeting or contact Belinka Novotny-Held, 9801 Held Rd., Hillsboro, MO 63050 for additional information.

The various committees needing your help are:

ANNUAL MEETING COMMITTEE
AWARDS COMMITTEE
CERTIFICATION COMMITTEE
EDUCATION / CADD COMMITTEE
HISTORICAL COMMITTEE
JOINT COOP COMMITTEE
LEGISLATION COMMITTEE
MEMBERSHIP COMMITTEE
PUBLICATION COMMITTEE

Dynamic Geographic Technologies, Inc.

DGT, Inc. is offering ArcView GIS training in Columbia, MO on September 10-11, 1997 and in St. Charles, MO on September 23-24, 1997.

This is a two day course designed for the new or inexperienced ArcView user who wants to gain a thorough working knowledge of ArcView. It utilizes lecture and hands-on instruction to familiarize students with ArcView GIS. Each student receives a 550+ page course manual and a CD of sample problems used in the course. Students should have some experience using Windows 3.1 or Windows 95.

For registration information contact DGT @ (573)874-3484 or e-mail dgt@pobox.com
<http://www.dgt-inc.com>

Free ArcView Seminars

ESRI-St. Louis will be offering complimentary seminars about its desktop Geographic Information System (GIS) software, ArcView. Various new extension products for ArcView will be featured in demonstrations by ESRI staff. The yet-to-be-titled seminars will be offered at locations in the St. Louis area on August 4th and 5th and in the Kansas City area on August 20th and 21st. For more information, please call ESRI St. Louis at 314-949-6620. When plans for the seminars are complete, information will also be posted on ESRI's home page. Point your Web browser to:
<http://www.esri.com/base/events/seminars/seminars.htm>

ESRI has recently released several new ArcView extension products. In addition, several additional extensions are in the works and will be released later this year.

The ArcView Internet Map Server is an out-of-the-box GIS and mapping solution for publishing your ArcView GIS maps on the World Wide Web.

ArcView StreetMap is an ArcView extension product that supports nationwide (US) address geocoding and street map display. The StreetMap extension includes a street and landmark database for the 50 states of the United States which is compressed onto a single CD. Given the StreetMap CD and the StreetMap extension loaded in ArcView 3.0, users will be able to geocode United States addresses and add a new type of theme called a StreetMap Theme.

ArcView Spatial Analyst introduces a broad range of powerful new spatial modeling and analysis features previously not available to desktop users. This new extension allows you to create, query, map and analyze cell-based raster data and to perform integrated vector-raster analysis.

The ArcView Network Analyst extension enables users to solve a variety of problems using geographic networks (i.e., streets, highways, rivers, pipelines, electric lines, etc.) such as finding the most efficient travel route, generating travel directions, finding the closest facility, or defining service areas based on travel time.

For more information about the new extensions or to enroll in a seminar, please call ESRI St. Louis at 314-949-6620.

Register For the Assessors' Conference

Registrations for the Assessor's Conference are due and should be sent to the STC. The 1997 Conference will be held from September 21st through 24th at the Lodge of the Four Seasons in Lake Ozark.

The conference is a combination of seminars on topics of interest to assessors and their staff, a business session for assessors, and opportunities for getting to know fellow assessors.

Fundamentals of a Parcel-Based GIS

Computer A.C.E.S. and Land Related Technology invite you to attend Fundamentals of a Parcel-Based GIS seminar. This is only for attendees at the 1997 Annual Conference of the Missouri State Association of County Assessors and State Tax Commission, Wednesday, September 24, 1997 at the Lodge of the Four Seasons, Lake Ozark, MO. Register early; space is limited. For registration fees and additional information call 314-869-1223 or 800-892-9618.

Notice of Name Change

Transamerica Information Management Services, TIMS, is now known as **Transamerica Intellitech**. This is a name change only; Transamerica Intellitech is still the same subsidiary of Transamerica Corporation, a Fortune 500 company.

FRANKLIN COUNTY MAPPERS

Franklin County mappers are in new quarters these days. In January we moved two blocks North to a great new space with about three times as much square feet and drafting table-desk combinations on ground level. All six of us have terminals and telephones on our desks. We also have lots of windows, and boys and girls bathrooms, no less. We have a luncheon-conference room with a new refrigerator, microwave, a sink and hot water. Love that hot water. There is a smoking room equipped with exhaust fan.

We share our new quarters with the Appraisers, Planning and Zoning and soon the Building Department. We like our new quarters, called the North Annex at 8 North Church Street, Union, MO. Our phone numbers are still the same (314)583-6389 and 583-6390. Drop by and see us anytime.

We're also set up with four light tables instead of two. Our Max Cadliner inker is dead! It got dropped and died instantly. The service department at Seiler Instrument is trying to revive it. We will soon be receiving a nice PC and printer to run Landcheck and Metro-Scan. Franklin County consists of 63,000 parcels and is growing at approximately 1,100 parcels a year. We do 8,000 transfers a year and check over 260 subdivisions a year for Planning and Zoning before they are approved, so we're always running full tilt. We need the annual meeting desperately! Hope to see you there!

Kathy and Carl

ANNUAL MEETING IS JUST A MONTH AWAY

I hope everyone has sent in their registration and made their plans to attend the 13th annual MMA meeting.

We had a good attendance last year and the meeting was a great success. We aren't going to have a Hypnotist this year, although he was a lot of fun. I still swear I was never really hypnotized. We will have Casino night again this year and some good prizes for the auction.

We have some great speakers lined up and several exhibitors to show us all the new techniques and equipment.

Our business meeting is the time for you to input how things are done and who you want to lead this organization.

The committees are where everything gets done in MMA, so please be thinking about which committee you can serve on and be a force in a growing organization.

See you in Columbia August 20, meet me on the Patio around 8:30 p.m.

Ona (Thomas) Mullinax
Annual Meeting
Committee Co-Chairperson

ANNUAL MEETING FEATURED SPEAKERS 3

George A. Yerion, LS of Computer A.C.E.S. and Robert E. Myers, LS, PE of Land Related Technology will be two of the featured speakers at the 13th Annual Meeting of the Missouri Mappers Association on August 21, 1997. Topics will include:

Land Parcel Definition:: Public Land Survey System / Transfer of Land Titles (descriptions)

Mapping Basics:: Coordinate Systems / Map Projections / Base Mapping

Basic Computer Graphics:: Raster vs. Vector / Polygons, Lines & Points / Themes & Coverages / CAD vs. GIS

Building the Parcel Layer for a GIS:: Establishing Control / Digitizing / Scanning / "Heads-Up" Digitizing / COGO / "Rubbersheeting"

George Yerion, LS is Vice President of Computer A.C.E.S., Inc., a CAD/GIS consulting firm based in St. Louis. For the past four years, Computer A.C.E.S. has helped Civil Engineering and Surveying firms become more productive through application of the appropriate technological tools for their businesses. He has 20 years of experience with COGO and other computer-based mapping tools.

Robert Meyers, PE, LS, is owner of Land Related Technology, a consulting land surveying firm. He recently retired from his position as the Missouri State Land Surveyor and Program Director of the Land Survey Program of the Department of Natural Resources Division of Geology and Land Survey. In this role, he was responsible for the state-wide Land Records Repository, preservation and remonumentation of original government survey corners, maintenance and densification of horizontal and vertical control network stations, and establishing standards for land surveys and geodetic control surveys in Missouri. Prior to working for DNR, he spent 25 years in private practice as a land surveyor and engineer.

Lienholder Has Right In Third Offering Sale

The Missouri Supreme Court has ruled that the rights of a lienholder are protected in tax sales, even when the property is offered and sold in the third year. Property was sold at a third offering in St. Louis City, following publication of notice, for \$3,703. Prior notice of the sale had not been sent to any lienholder. After the sale, the buyer sent a letter to a lienholder, who held a \$21,378 lien, telling them they had 90 days to redeem the property. The collector refused lienholder's payment of \$3,869, assuming that no redemption is allowed following the third offering for delinquent taxes. The Court, in *M&P Enterprises, Inc. V.s. Transamerica Financial Services, et. Al.*, No.79108. April 29, 1997, held that there is a right of redemption on a third offering of delinquent land and because no notice was given, the outstanding lien was still outstanding and a valid debt.

.....Copied from the June 1997 STC Newsletter

WHAT COUNTIES CHARGE FOR MAPS				
County	Cost Per Map	Cost For Lines Only	Sections Per Map	Year Flown
Adair	5.00	5.00	4	1981
Andrew	5.00	5.00	1/4 to 4	1981
Audrain	7.50	7.50	1/4 to 4	1980 & 1984
Barry	7.00	5.00	1/4 to 4	1996
Bates	6.00	6.00	1/4 to 4	1980
Benton	10.00	5.00	1/4 to 4	1972 & 1982
Bollinger	5.00		4	1980
Callaway	7.50	5.00	1/4 to 4	1980
Camden	5.00	5.00		1984
Chariton	5.00	3.00		1979 & 1980
Christian	7.00	5.00	1/4 to 4	1990
Clark	5.00	5.00	1/4 to 4	1980
Cooper	5.00	5.00		1984
Crawford	5.00		4	1981
Dent	6.00		4	1980
Douglas	5.00	5.00	1/4 to 4	1981
Franklin	10.00	8.00	1/4 to 4	1980 & 1996
Gasconade	15.00	15.00	1/4 to 4	1979 & 1981
Greene	4.00	4.00	1/4 to 4	1980 & 1990
Henry	8.00	4.00	1/4 to 4	1981
Hickory	5.00	5.00	1/4 to 4	1979 & 1980
Howard	10.00	7.50		1981
Howell	5.00	5.00	1/4 to 4	1994
Iron	7.00		4	1980

WHAT COUNTIES CHARGE FOR MAPS CONT...				
County	Cost Per Map	Cost For Lines Only	Sections Per Map	Year Flown
Jasper				1996
Jefferson	7.00	4.00	1/4 to 4	1981 & 1982
Johnson	5.00	5.00	1/4 to 4	1981
Knox	6.00	6.00	4	1980
Lawrence	7.00	7.00	1/4 to 4	1996
Lewis	5.00	5.00	4	1981
Lincoln	5.00	5.00	1/4 to 4	1993
McDonald	6.00	3.00	1/4 to 4	1996
Macon	6.00	5.00	4	1980
Madison	7.00		4	1981
Maries	5.00	5.00	1/4 to 4	1979
Marion	5.00	5.00	4	1981
Miller				1981
Moniteau	10.00			
Monroe	5.00	5.00	4	1979
Montgomery	10.00	10.00	1/4 to 4	1980
Morgan	6.00	5.00		1981
Newton	8.00	5.00		1981
Osage	5.00	5.00	1/4 to 4	1980
Ozark	5.00	5.00	1/4 to 4	1981
Perry	7.00		4	1981
Pettis	7.00	5.00	1/4 to 4	1980
Phelps	5.00	5.00	1/4 to 4	1993
Pike	5.00	5.00	4	1981

WHAT COUNTIES CHARGE FOR MAPS CONT...				
County	Cost Per Map	Cost For Lines Only	Sections Per Map	Year Flown
Polk	8.00/5.00		1/4 to 4	1978 & 1983
Pulaski	5.00	5.00	1/4 to 4	1991
Randolph	8.00	5.00		1980 & 1988
Reynolds	5.00		4	1981
Rolls	5.00	5.00	4	1980
Scotland	6.00	6.00	4	1981
Schulyer	5.00	5.00	4	1981
Shannon	6.00		4	1981
Sheiby	5.00	5.00	4	1980
Stone	8.00	7.00	1/4 to 4	1990
St. Charles	12.00	4.00	1/4 to 4	1994
St. Francis	10.00		4	1981
St. Genevieve	7.00		4	1981
Taney	5.00	5.00	1/4 to 4	1990
Texas	6.00		4	1980
Vernon	7.00	7.00	1/4 to 4	1981
Warren	10.00	6.00	1/4 to 1	1981 & 1996
Washington	6.00		4	1979
Webster	7.50	5.00	1/16 to 4	1979
Wright	5.29	5.29	1/4 to 4	1981

Life is full of molehills that look like mountains to many. Work right on past them, even though others have stopped to put on their mountain-climbing equipment.

A Typical Project for Orthophoto Base Maps

Written By

Bob A. Williams, Certified Photogrammetrist, Walker & Associates, Inc.

PART THREE OF THREE

Step 8--Image Mosaicking. All images will be merged to eliminate mismatches between tiles or map sheets and create a seamless County-wide base map. This procedure is very important for those who are moving into an automated mapping or GIS mapping system. The brightness and contrast will be checked and radially displaced features such as buildings will be checked to ensure that the buildings are not distorted where orthophoto tiles are edge-matched.

Step 9--Accuracy and Scale Check. Each digital orthophoto image will be checked for accuracy on screen. All control points (surveyed photo-identifiable points) that are visible on the aerial photography will be visited on screen and the x, y coordinates will be displayed. This information will be cross-referenced with the x, y information provided by the original ground survey.

This quality control procedure ensures that the orthophoto correction is carried out successfully. If the orthophoto doesn't meet the required standards at this stage, the rectification process should be preformed again.

Step 10--Paper Check Plots or Final Mylar plots.

A paper check plot can be generated to ensure that the orthophoto map covers the same geographic area that the parcel map covers. The digital orthophoto file will be saved on a CD-ROM suitable for use in a GIS or CADD software environment.

On many occasions the final mylars are still needed, even if computer mapping is planned. The mylars will be plotted on a high resolution film writer. The surrounding title block information will be registered to the orthophoto image plot and the same orientation and mapping location will be matched to the original base mapping. This will enable the parcel map overlay to register to the new map for blueline composites.

Step 11--Future Map Updates.

Individual map sheets can be updated without re-flying and updating all map sheets. New photography can be merged into the digital orthophoto database and the accuracy, scale and image tone can be matched to the older photography in the areas that have not changed. This procedure will allow the County to budget small amounts annually or bi-annually to keep pace with the growth areas and avoid a large update - maintenance contract at one time.

Walker & Associates

Aerial Photography and Digital Mapping Services
St. Louis, Missouri ♦ 314-343-6111

Day & Zimmermann Information Solutions

Wesley G. Brown
Senior Vice President
GIS Practice

(704) 362-3240 • Fax (704) 365-6278
(800) 752-0361 • Mailbox 9343
6324 Fairview Road • Charlotte, NC 28210
Email: brownwg@dayzim.com

WESTERN AIR MAPS, INC.



PHOTOGRAMMETRIC SERVICES
"Professionals Serving Professionals"

- ✓ Aerial Photography
- ✓ Ortho Photos
- ✓ GPS Surveying
- ✓ DTM
- ✓ Digital Mapping
- ✓ GIS Base Mapping
- ✓ Available formats include:
Arc/Info, Intergraph, AutoCAD

HEADQUARTERS
9401 Reeds Road ♦ Overland Park, KS 66207
Phone: (800) 642-5177 Fax: (913) 652-9933
<http://www.westernair.com>



Brad Rozelle

TEL: 816-221-1328
TEL: 800-221-7400
FAX: 816-221-2719
FAX: 800-221-7670

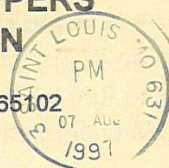
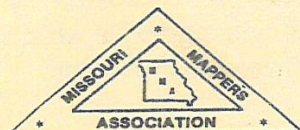
1235 Swift Avenue
N. Kansas City, MO 64116

LAT 39-07-55.36283
LONG 094-34-37.42640

The Source For All Your Surveying, Mapping & Data Acquisition Needs!
"Service" "Sales" "Support" "Rental" "Training"

MISSOURI MAPPERS ASSOCIATION

P.O. Box 1692
Jefferson City, MO 65102



Barbara Kaszuba PMM
Newton County Assessor's Office
1919A LaQuesta Drive
Neosho, MO 64850

