

# NORTH ARROW

Mapping into the Millennium

North Carolina Property Mappers Association Newsletter

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Issue 4

20 South Spruce St. Rm 205  
Asheville, NC 28801

## President's Corner

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The NCPMA sponsored plat review workshops held in April were a great success. All the workshops were well attended. Approximately 170 people made up the total number of attendees. I would like to thank the following people for their participation and assistance with the workshops:

### Instructors:

**Rex Minneman**

**Bill Campbell**

**Gary Thompson**

Facilitators:

**Billy Oakes**, Wilmington,

**Gil Robbins**, Washington.

Registration and Certificates:

**Marie Monteith.**

### New Appointments

**Patricia Rouse** (Onslow County) will serve as the NCPMA representative on the NCGIS Program Committee for the 2003 NCGIS Conference.

**LuAnne Cox** (Buncombe County) will serve as the NCPMA representative on the Geographic Information Coordinating Council.

Remember this year's annual mapping school. Now is the time to register for school and hotel accommodations.

**Marie Monteith** and her Education Committee are hard at work preparing a great school to be held August 5-9 in

New Bern, NC.

**Nita Barton** (Transylvania County) recently gave the Executive Board a program committee update concerning the progress of this year's Fall Conference. Sounds like things are really shaping up. New and different things are in the making. If you have any suggestions about things you would like to hear or see at the conference, give Nita a call, but do it soon.

Remember to visit the NCPMA Website:

[www.ncpropertymappers.org](http://www.ncpropertymappers.org)

For the latest news, events and schedules. If you like what you see, email Rich Elkins, Webmaster for NCPMA (Edgecombe County) and let him know.

[relkins@co.edgecombe.nc.us](mailto:relkins@co.edgecombe.nc.us)

Please contact me with any questions or comments about the NCPMA. Many of you have offered opinions and ideas over the last several months, which are greatly welcome.

**Bobby McMahan**

**NCPMA President**

[bobmcmahan@jacksonnc.org](mailto:bobmcmahan@jacksonnc.org)

### Highlights:

President's Corner

Upcoming Events

Mapping School / Application

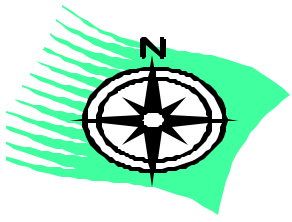
Job Opportunities

Article / Sam Wallace

Article / Rick Norejko

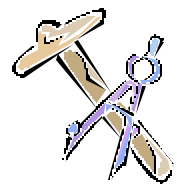
Special Notes

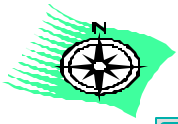




# UP COMING EVENTS

<u>DATE</u>	<u>EVENT</u>	<u>LOCATION</u>
June 19-21, 2002	<b>IT/GIS in Public Works Conference -URISA</b>	<b>Pittsburgh, Pennsylvania</b>
July 21-23, 2002	URISA GIS Conference	New Brunswick, NJ
August 5 – 9, 2002	NCPMA Mapping School	New Bern, NC
August 11-13, 2002	St. Smart & Address Savvy Conference URISA	Portland, OR
October 2 – 4, 2002	NCPMA Fall Conference	Research Triangle Park, NC
October 13-16, 2002	IAAO Annual Conference	Los Angeles, CA
<b>October 26-30, 2002</b>	<b>URISA Annual Conference</b>	<b>Chicago, IL</b>
2003	Mapping School	Greensboro, NC
February 20-21, 2003	NC GIS Conference	Winston-Salem, NC





Iredell County has the job opening.

**BUSINESS PERSONAL PROPERTY APPRAISER**

**DEPARTMENT:** Tax Administration and Land Records - County Assessor Division

**DUTIES:** Performs technical work in listing, appraising and auditing business personal property for tax purposes. Work involves processing business personal property tax statements and performing the annual listing and assessing of business property such as machinery, equipment, vehicles, furniture and fixtures. Employee is also responsible for auditing tax listings and returns to discover property unlisted or under-listed for ad valorem taxation. Employee must exercise initiative and independent judgment in ensuring a complete and accurate listing of business personal property for taxation. Employee must also exercise tact, courtesy and firmness in contact with business owners. Reports to the Business Personal Property Supervisor.

**MINIMUM EDUCATION AND**

**EXPERIENCE:** Bachelor's degree in accounting, business, or a related field, and 1 to 2 years of experience in appraising, auditing, bookkeeping, or related work, with some experience in assessing or appraising business personal property preferred; or any equivalent combination of training and experience which provides the required skills, knowledge and abilities.

**SPECIAL REQUIREMENTS:**

Certification as a business personal property appraiser by the Ad Valorem Tax Division of the North Carolina Department of Revenue within two years of employment. Strong oral and written skills, including the ability to effectively communicate technical appraisal issues to a wide variety of people. Demonstrates ability to learn new skills and procedures quickly. Possession of a valid North Carolina driver's license.

**SALARY RANGE:** \$28,188 - \$43,692  
Grade 66

**APPLICATION DEADLINE:** Open Until Filled

**APPLICATION PROCESS:**

External Applicants should apply at your local Employment Security Commission Office. Refer to Job Order #8413509

**“The whole idea that the average person in unintelligent is a very dangerous idea.”**

*Richard Feynman*

## **DURHAM COUNTY COLLECTION DIVISION MANAGER**

**\$40,659 - \$63,413**

**(Tax Administration)**

**Performs supervisory work in the Durham County Tax Department. Ensures accuracy of all revenues received, deposited, reconciled and reported by the Tax Collection Division. Provides general assistance to the public, County Boards, and other County departments as needed in areas involving the collection of taxes and other fees. Must be detail oriented in obtaining collection data and updating distribution of revenues. Requires any combination of education and experience equivalent to graduation from an accredited college or university and considerable experience in tax/revenue collection, which includes supervisory experience.**

**Special Requirement: Must possess a valid NC drivers license. Must be able to be bonded and obtain certification as Deputy or Assistant Tax Collector by the North Carolina Association of Tax Collectors.**

**Duration of Job: Permanent**

**Date Posted: May 17, 2002**

**Closing Date: June 14, 2002**

**Position No.: C196-001**

**To apply visit the Durham County Website at [www.co.durham.nc.us](http://www.co.durham.nc.us) click on job opportunities and the follow the instructions for an application.**

### **Education Committee Note**

**If you have used the 800 number given on the information sheets for making reservations for school and received incorrect information about rooms we apologize. Our contact at the Sheraton has advised us not to use this number which routes through a central booking office elsewhere and may not have info about bookings for specific groups. She has furnished us a new 800 number that goes directly to New Bern, The number is 1-800-326-3745. We have also updated the number in all material about the school. If anyone has further problems email or give me a call.**

**Thanks**

**Marie Monteith  
Education Committee Chair**

**2002 NCPMA MAPPING SCHOOL REGISTRATION FORM  
AUGUST 5 – AUGUST 9 2002**

\*\*\*\*REGISTRATION CUT-OFF DATE IS JULY 5\*\*\*\*

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

**Title:** \_\_\_\_\_

**County / Company:** \_\_\_\_\_

**Mailing Address:** \_\_\_\_\_

**Phone number:** \_\_\_\_\_

**PLEASE CHECK THE FOLLOWING**

**Regular Mapper Class** \_\_\_\_\_ **Advanced Mapper Class** \_\_\_\_\_

\_\_\_\_\_ **NCPMA Member (Fee = \$200.00)**

\_\_\_\_\_ **Non- NCPMA Member (Fee = \$225.00)**

**I will attend "A Night with the Stars" Presidents Reception Monday night** \_\_\_ Yes \_\_\_ No

**I will attend the dinner social on Wednesday night** \_\_\_ Yes \_\_\_ No  
**(Wednesday night social cost = \$15.00)**

\*\* ALL CHECKS SHOULD BE MADE PAYABLE TO NCPMA TREASURER\*\*

**Please complete this entire form and mail to :**

**Marie Monteith**

**Buncombe County Land Records  
20 S. Spruce Street Suite 205  
Asheville, NC 28801**

**(direct any questions to Marie) (828) 250-4977  
email: [monteim@co.buncombe.nc.us](mailto:monteim@co.buncombe.nc.us)**

**TO PRE-REGISTER FAX APPLICATION TO : Marie (828) 232-4400**

**Receipts will be given at school. Please check if one is needed: \_\_\_\_\_**

2002 Application for Certification  
Mapper / Senior Mapper

Name \_\_\_\_\_

Job Title \_\_\_\_\_

Mailing Address \_\_\_\_\_

Office Phone (\_\_\_\_) \_\_\_\_\_ Ext. \_\_\_\_\_ Date Employed \_\_\_\_\_

Employed By: \_\_\_\_\_

Years experience in property mapping State or Local Government \_\_\_\_\_

Years of equivalent experience \_\_\_\_\_ Explain: (giving name and address of Employer): \_\_\_\_\_

Certification Applied for: \$10.00 (Mapper)\_\_\_\_ \$25.00 (Senior Mapper)\_\_\_\_

Amount of check enclosed \$ \_\_\_\_\_ (Payable to: NCPMA Treasurer)

Check No. \_\_\_\_\_ Date \_\_\_\_\_ Name of Bank \_\_\_\_\_

Are you currently a member of the NC Property Mappers Association? \_\_\_\_\_

Are Membership dues paid? Yes \_\_\_ No \_\_\_

Education ( High School 1 2 3 4 / College 1 2 3 4 ) Degree \_\_\_\_\_

If applying for Senior Mapper, have you passed the exam on the Fundamentals of Listing and Assessing? \_\_\_\_\_ Date \_\_\_\_\_

I have completed the following mapping related courses, workshops, schools. Etc.

- |          |            |                 |
|----------|------------|-----------------|
| 1. _____ | Date _____ | No. hours _____ |
| 2. _____ | Date _____ | No. hours _____ |
| 3. _____ | Date _____ | No. hours _____ |
| 4. _____ | Date _____ | No. hours _____ |

(Enclose evidence of completion of above with this application. )

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Signed \_\_\_\_\_ Date \_\_\_\_\_

This application, with enclosures, for Mappers/ Senior Mappers must be received in hand by :  
July 5, 2002

Albert Taylor, Jr  
Carteret County Land Records  
Courthouse Square  
Beaufort, NC 28516

**\*\*\*NLT 6 JULY, 2002\*\*\* ALL QUESTIONS PERTAINING TO CERTIFICATION SHOULD BE DIRECTED TO ALBERT @ 252-728-8490**

2002 NCPMA MAPPING SCHOOL  
August 5 – 9, 2002  
New Bern, NC

Are you making plans to attend this years mapping school in beautiful New Bern?  
This year's school will be held at the Sheraton Grand New Bern Hotel and Marina.

For reservations contact the Sheraton at **800-326-3745** or  
**252-638-3585**

Accommodation Rates: Single or Double \$97.00 per night

**RESERVATIONS RECEIVED AFTER JULY 5<sup>TH</sup> ARE SUBJECT TO AVAILABILITY AND  
INCREASED RATES**

As in previous years you may pre-register for mapping school. If you are planning to attend but can not pay until after July 1<sup>st</sup> just mail or fax your registration to Marie Monteith as listed on the registration form.

## **SUPPLIES NEEDED FOR REGULAR CLASS**

**Engineering Scale**      **Pencils**  
Bow Compass              Triangles (2)  
Protractor                  Calculator (with scientific function)

## **SUPPLIES NEEDED FOR ADVANCED CLASS**

**Same as above**

PLUS: "Guidebook for North Carolina Property Mappers" by William A. Campbell  
If you are unable to bring a Guidebook you will be able to purchase a copy at the school.

## **NOTE**

If you are planning on taking either test for certification at the 2002 Mapping School, you **MUST** have your certification application to Albert Taylor **no later than** July 5<sup>th</sup> 2002. Any questions about certification should be directed to Albert at (252) 728-8455

Please make checks for certification payable to TREASURER NCPMA and mail to: Albert Taylor Jr.

Carteret Co. land Records  
Courthouse Square  
Beaufort, NC 28516

**Make checks for school tuition payable to TREASURER NCPMA and mail to:**

**Marie Monteith**  
Buncombe Co. Land Records  
20 S. Spruce Street Suite 205  
Asheville, NC 28801

### **The Hard Truth About GIS Mapping and E9-1-1**

In America today, public safety has become a paramount issue facing the nation. More than ever the public is relying upon the government to provide for and support any efforts to improve public safety services. At the very heart of public safety lay the 9-1-1 emergency dispatch systems of this country. Without 9-1-1, there is simply no emergency response. Thus, 9-1-1 is the keystone of public safety.

In November of 2001, the National Emergency Number Association (NENA) called a Critical Issues Forum in Columbus, Ohio for two days. The forum was called to bring some 200+ leading 9-1-1 officials in from all over the country to address the serious issues facing 9-1-1 in America, particularly in the wake of the recent homeland security issues. The core topic of the Critical Forum was the use of GIS mapping and Automatic Location Information (ALI) in E9-1-1. Particularly, the Forum was called to inform 9-1-1 officials what GIS is, how it is used, and what are the common problems and solutions the 9-1-1 industry has encountered concerning this GIS phenomenon. This article will endeavor to address those issues with attention and detail for anyone in the 9-1-1 and GIS fields who are encountering a lot of questions and uncertainties mapping 9-1-1 calls without much success in getting the answers they need.

#### **Just what the heck is GIS?!**

Geographic Information Systems (GIS) are computer programs that endeavor to relate political, socio-economic, and environmental data to each other geographically. The result is the ability to access and compare large amounts of information by where and how they occur. This relatively old concept has only recently come to true fruition with the development of computer technology to administer it. In addition, the **huge** amount of reliable data that is needed to fuel the technology has also only recently become available digitally. Since these developments, GIS has been able to revolutionize both private and public sectors in its ability to give decision makers never-before-had information about their business and easily convey that information by displaying it in a visual mapped format. Such mapping has natural applications, and one has been the use of digital road maps for E9-1-1 emergency dispatch. The problem is, often times the road (referred to as a centerline, meaning 'center of pavement') data used by E9-1-1 agencies is grossly inaccurate in terms of spatial location and naming while also not possessing any of the depth of information or "intelligence" that is required for the computer software to use the data to the degree that E9-1-1 needs. The consequences of this problem have been instances of preventable deaths across the country. This is an unfortunate situation that can leave emergency response agencies vulnerable to lawsuit and public outcry, particularly in light of today's public safety climate following the terrorist attacks on the U.S.

**One of the largest contributors to these problems has been the use of cell phones for E9-1-1 emergency assistance calls. Though E9-1-1 agencies have enough trouble locating and mapping calls from permanent addresses with GIS, locating the free roaming cell phone has been and will continue to be an immense challenge that has tripled the reliance on good, accurate, and intelligent centerline basemaps. In addition, these concepts and problems have translated directly to other forms of emergency response, like emergency management of hazardous material or health department outbreak mitigation. So, as the nation's attention focuses more and more on how to deal with emergency response for a variety of scenarios, the dependence on GIS to deal with public safety issues continues to broaden in scope.**

#### **A warning about GIS data used for E9-1-1**

**One point that is very important to note about GIS is that there are many different GIS software programs out there for purchase. A large misconception 9-1-1 officials need to be aware of concerning GIS is that the mere purchase of GIS software does not mean an agency has a GIS, or even a good one for that matter. GIS is a holistic system where computer software effectively uses**

geographic data to relate information and aid decision-making. Without the data, there is no GIS! Examples of geographic data are: Road Centerlines, Address Point Locations, Emergency Service Number (ESN) Zones, Police/Fire Jurisdictions, Digital Aerial Photography, Municipal Boundaries, Water Features, etc. Some of these data sets are available for purchase, while others are available for free via the government or do not exist at all and require generation from scratch. Regardless of where the data comes from, great differences can exist in the quality of that data. And the hard truth about GIS data being used for E9-1-1 is that a very ugly pattern has emerged showing that the cheaper the data, the more unusable for E9-1-1 it is. County E9-1-1 Agencies are withholding payments to CAD companies right and left because the mapping they furnish isn't worth its own weight. The reason for this pattern is that cheap or free data sets do not have the level of detail and accuracy to support the business of saving lives in a specific jurisdiction. Therefore, GIS is not only a piece of software. Rather, a GIS is computer software working in conjunction with geographic data sets to provide usable information.

Geographic data is the heart and soul of a GIS, and the *quality* of that data determines the *value* of the system as a whole. In the GIS world, this idea is summed up in the term, "Garbage In, Garbage Out." Or rather, if one uses garbage data, garbage is all they will get out of their GIS . . . a potentially dangerous situation with E9-1-1. The quality of GIS data is determined by the methods and techniques used to collect or develop that data. The very idea of data failure in E9-1-1 services is half the reason why the recent NENA Critical Issues Forum was called.

#### **GIS and ALI**

The method by which the emergency service sector is either using or waiting to use in the location of wireless 9-1-1 calls is to take Automatic Location Information (ALI) associated with each wireless call and relate that information with the GIS mapping. In essence, the ALI is latitude and longitude coordinates of where the call is coming from. With those coordinates, emergency dispatchers can geographically reference the location on any GIS map. All, which is well and good, save for the fact that most digital maps available are either too inaccurate or incomplete to **actually succeed** in locating someone in need!

The key issues of the NENA Critical Issues Forum, concerning the use of GIS mapping and ALI in E9-1-1, were: centerline and address data quality/widespread use of poor data, integration into existing 9-1-1, and data maintenance. At this time, it is fairly well accepted that the use of cellular phones for 9-1-1 emergency calls is not only going to remain as a phenomenon in emergency service, but is also projected to increase, at least initially, at an astronomical rate. Therefore, the discussion of these topics is neither idle nor avoidable. Once the FCC mandate for ALI latitude and longitude coordinates of cellular distress calls become a reality in America, emergency service agencies are going to have to scramble (if not already) to put this information to work **with success**. Thus, every single one of these issues is critically important in that each one can single-handedly cause E9-1-1 systems to fail at locating and mapping a cellular distress call.

#### **Data Quality Issues**

The issue of centerline and address data quality/widespread use of poor data is a situation that has been sweeping across the country with wildfire speed and affects both wireless and wireline E9-1-1 services. Essentially, lack of expertise and funding force emergency service agencies to accept and attempt to implement GIS software and data that is of poor quality whether it be from a CAD vendor, telecom, or GIS vendor. The results are an inability to integrate with an existing system, and/or a failure to successfully map both wireline and wireless distress calls. What constitutes poor data, particularly centerline and address data, are gross inaccuracies of where roads and addresses occur on the earth, inaccuracies in road naming contained in the E9-1-1 databases, as well as giant holes and omissions within both the road and address inventories of the E9-1-1 databases.

Continued on next page....

The core of this problem is that the E9-1-1 applications of GIS require extremely detailed data sets of any given jurisdiction. The information has to be very focused and complete in order to successfully locate calls and reduce response time. There are a great many data sources out there that *appear* to be what an emergency agency is looking for. However, these “off the shelf” data sources (whether government sources or private vendor products) do not have the level of detail and accuracy that E9-1-1 strongly needs for use. **This does not mean these data sources are insufficient for other GIS applications, it just means that they were never developed for the intense and specific use of 9-1-1 distress call mapping, and therefore fall short in many different and pivotal areas of criteria.** Unfortunately, these various sources of GIS data are the most inexpensive (if not free) and are being pushed by large vendors with little knowledge or concern of the role the data will play in E9-1-1. The unfortunate results are that a great many emergency service agencies are finding themselves in a nightmarish situation where their GIS mapping is either severely inadequate or not even functional, with accrued costs that effectively discourage any additional efforts to obtain proper mapping data either financially or politically.

### **Integration of GIS Mapping into Existing E9-1-1 Systems**

The integration of any GIS data into an existing 9-1-1 system can be a potentially sticky situation. There is a general shortage of quality GIS expertise in the CAD industry as well as in the U.S. as a whole. The unfortunate result of this particular scenario is that a great many 9-1-1 agencies opt to stay with a long time CAD vendor who is making the attempt to write GIS software components with their CAD products, and stick it out only to end up with a product that either doesn't work at all, or inadequately works utilizing poor GIS data. The key to integrating GIS into an existing system is to find the GIS solution that is not dependant upon any particular CAD. This concept affords an E9-1-1 agency two options. One, the two software programs do not have to be housed under the same package, and can be implemented as separate entities that compliment each other indirectly. Or, find a GIS solution that can be delivered in an open format, which can be easily converted and implemented into any mapping software, whether it is mapping software a CAD vendor developed or GIS mapping software that has been developed specifically for E9-1-1 applications.

**Many have been the time where an E9-1-1 agency has set off to implement GIS with their emergency service without any knowledge that the county already had software, data, and personnel to facilitate the project. From numerous personal observations, “low-balling” a project with unqualified personnel in the attempt to either build or integrate GIS mapping into E9-1-1 can easily set a county government back 5-10 years with untold monetary costs . . . another unfortunate hard truth about GIS, whether it be in the effort of E9-1-1, or even in the pursuit of more traditional governmental roles.**

**Several firms and emergency service officials, such as Mark Berryman of the Greater Harris County 911Emergency Network in Houston, Texas and Capt. Kathryn Stevens of the Allen County Sheriff's Dept. in Ft. Wayne, Indiana were asked to present at the NENA Critical Issues Forum to help educate the panel about the uses of GIS with 9-1-1 as well as highlight problems and pitfalls to look out for. Contact either NENA (800) 332-3911 or the author to learn more about these real-life success stories.**

### **Data Maintenance**

Data maintenance becomes a key issue once GIS data is successfully implemented into an E9-1-1 system. The core concept behind this issue is: what good is GIS mapping if it is out of date and does not reflect road/address changes or developments within a jurisdiction? An emergency service agency can quickly find itself right back where it started from if diligent procedures for the frequent updating, correcting, and verifying of street and address data are not set in place and adhered to. Granted many jurisdictions do not undergo a great wealth of development per year, however, some jurisdictions can double their size in less than 6 months. Therefore, the issue of maintaining databases becomes paramount.

There are, essentially, two ways of maintaining E9-1-1 databases. One, is to implement procedures in-house that enlist jurisdictional personnel who work closely with address and road inventory data, to ensure the proper changes and updates are made to the databases and funneled into the E9-1-1 system. This method can be more timely and accurate for database maintenance, but requires total cooperation across possibly several internal departments, which can be difficult to organize and preserve in the face of political climates that could be initially negative while also ever changing. The other option is to outsource the maintenance to a GIS data collection firm who specializes in the capture of new address and road information. This second option, however, does not account for any changes that are made within the existing databases. In addition, the data collection firm has to be able to deliver updated information that conforms exactly to existing data in terms of formats, depth, and accuracy with relative frequency and timeliness. Hence, selection of just such a firm would have to be extremely shrewd and informed. With those options for GIS data maintenance in mind, each jurisdiction is going to have to decide on its own what level of maintenance is necessary to ensure the integrity of E9-1-1 databases based upon individual levels of growth and need. But in the end, the issue of data maintenance is something that is not going to go away, and will have to be a constant and regular operation indefinitely.

### **The Future of GIS and E9-1-1**

The road to utilizing GIS mapping with E9-1-1 for both wireless and wireline distress calls is not necessarily an easy or pleasant one. However, the benefits of such integration heavily outweigh any headaches that may come out of putting it into action. What the 9-1-1 industry has to realize is that it must be willing and able to educate itself in the details of GIS and the data that is used to fuel it. The talent and expertise exist in America today to help make the idea of mapping distress calls, as well as other advanced emergency technologies, a true reality. However, these concepts need to be understood to their fullest in order to avoid what has happened to so many already.

Remember, in the world of GIS, two hard truths exist: GIS mapping is only as good as the data that drives it, and, you get what you pay for. When these two ideas get tossed into the business of saving lives, the consequences become readily clear.

Sam Wallace  
GIS/GPS Specialist  
Digital Data Technologies, Inc.  
Phone: (614) 429-3384  
Fax: (614) 429-3385  
Toll Free: 1-888-800-4003

***From Rick Norejko, CMS  
Contributing Editor***

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**My e-mail today contained another request of information and help on the NCPMA listserver. I couldn't help but think about how helpful this service is to our members. Well worth the \$25.00 membership fee to belong to The NCPMA.**

**As I read responses to questions I'm also impressed by the number of very knowledgeable members we have. I'm proud to be associated with such an active organization. While there are only a few state-wide mapping associations, across the country, the NCPMA leads the pack and is extending its lead. (sorry, that phrase comes shortly after the Kentucky Derby). The enormous success of our organization hasn't been lost on our peers across the United States.**

**I am honored to be the Chairman of the 2003 GIS / CAMA Conference. This conference, which is a joint sponsorship between IAAO and URISA will be in Columbus, Ohio, March 30 – April 2, 2003. One of the presentations will be our representative(s) of the NCPMA discussing "how to" set up a successful statewide mapping association. While you may think that wouldn't draw many attendees, it's a topic that has been requested for the last couple of years. My fellow conference committee members know about our association and want us to share our story.**

**So – Congratulations to all members for joining and actively participating in the finest Mapping Association on the planet. We are "THE" benchmark for everyone else.**

***Rick***

# Special Notices !

## REPORT FROM THE TREASURER

I have not received membership renewals from the following counties:

Alamance	Currituck	Lee
Anson	Duplin	Madison
Ashe	Gates	Martin
Bladen	Greene	Mitchell
Camden	Halifax	Vance
Chatham	Hyde	Warren
Craven		

The time to get the final listings to the printer is fast approaching. To ensure you are listed in the Legend email or fax me the membership forms and the funds can follow via snail mail. If because of finances in your county you can't pay until July send the forms on so you can get listed and just let me know the check will come in after July. If your county appears on this list and you have sent in forms, check with your finance department and contact me.

Thanks for your continued support.

John Bridgers NCPMA Treasurer  
(336) 679-4224  
[mocksjohn1@aol.com](mailto:mocksjohn1@aol.com)

## !! POSTER SESSION !!

Something new at Fall Conference this year! On Wednesday night at the Presidents Reception we will have a poster session. This will give conference attendees an opportunity to display their maps and to view what others around the state are creating. Bring a sample of your work and show it off. If you are interested in participating contact the Fall Conference Committee chair Nita Barton at (828) 884-3132 or [nitabarton@citcom.net](mailto:nitabarton@citcom.net) or co-chair Tammy Southern at (336) 727-2655 or [southetw@co.forsyth.nc.us](mailto:southetw@co.forsyth.nc.us) Let's have a good showing for this event and it may become an annual one. Any type of maps are fine, the only restriction is no larger than 36" x 36". (If you have a special product that is larger than this talk to the committee chairs and they may be able to work something out for you)

## FALL CONFERENCE PRESENTATIONS

While talking about participation we would love to see more presentations from our members at Fall Conference. What's going on where you are? Have you undergone a conversion, switched from hand to automated mapping, implemented a public access or internet site, used gps for mapping purposes? Any of these and many other topics would make a presentation that would be interesting, and who knows maybe helpful, to our members. If you are interested in doing a presentation contact the conference chair Nita Barton or co-chair Tammy Southern. The sooner you do so the better so that our committee members can work to provide you an informative, interesting conference.