

# Cartography Specialty Group

Association of American Geographers



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## Words from the Chair

*Jim Young*

According to the Constitution and Bylaws, the Cartography Specialty Group has a multifaceted purpose, including: to encourage research, to promote education in cartography and map use, and to promote the cartographer's role within the geographic discipline. At the AAG meeting in Philadelphia, it was interesting to hear how often the term *geotechnology* was mentioned by speakers and in conversations among colleagues. Attending the many sessions sponsored by CSG, I often thought about how critical role the original *geotechnology* – cartography – still had in studying and understanding issues around the world.

In my role as a department chair, I have had the opportunity to use the term *geotechnology* in discussions with the Dean of the college. It is no secret to geographers and cartographers that many jobs exist that require the methods and technologies of geography, and that the potential job growth is enormous. The growth in employment opportunities has contributed to the widespread discussion of *geotechnology* and the expanding interest by students and employers. I know that excellent job prospects for a geographer with GIS skills have helped drive student interest and contributed to a big increase in the number of geography majors in my department. I also know that there has been (and continues to be) much discussion about how cartography contributes to GIS and the evolving *geotechnologies*. I am not interested in rehashing the debates, nor am I interested in developing a profound philosophical argument for the continuing value of maps and cartography. I will operate on the simple assumption that cartography remains important to the discipline of geography and continues to contribute to understanding spatial problems at many geographic scales.

The Cartography Specialty Group, along with several other professional organizations of cartographers, is in a position

to promote the discipline to students and to decision makers. It was a privilege to serve as a judge for the Illustrated Paper Student Competition at the AAG meeting; I enjoyed seeing the number of student presentations that included a large cartographic component. Based on the work being done by our students, cartography has a bright future. The CSG sponsored a number of paper sessions that demonstrated the innovative and exciting research being done in the cartography, another indicator of the strength of the discipline. The AAG will soon be issuing a call for papers for the Denver meeting. Please consider submitting a paper, poster, or illustrated paper to a CSG session; please encourage your students to be involved in the programs and competitions for student cartographers.

With elections completed and several new officers stepping in, I want to take the opportunity to thank the dedicated members who will be leaving the CSG Board of Directors: thanks to Judith Tyner (now PAST Chair), Larry Handley (stepping down as Secretary/Treasurer), Max Baber (Academic Director), Scott Loomer (Non-Academic Director), and Renee Louis (Student Director). Congratulations to the newly elected officers – I look forward to working with the continuing and incoming Board members.

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## CaGIS Announces New USNC-ICA Members

The U.S. National Committee to the International Cartographic Association (USNC-ICA) represents U.S. cartographers as a liaison committee of the Cartography and Geographic Information Society (CaGIS), a member organization of the American Congress on Surveying and Mapping (ACSM). The U.S. is a national member of the

International Cartographic Association and under the new restructuring of ACSM, CaGIS is now the adhering body to ICA. Rotation of the USNC-ICA members occurs every two years for approximately half of the appointees. This spring, five new members were added to the USNC-ICA. CaGIS also thanks outgoing members of USNC-ICA for their dedication and hard work.

#### ***New USNC-ICA members***

- ▶ Max Baber, Department of Geography, Samford University
- ▶ Aileen Buckley, Environmental Systems Research Institute, Inc.
- ▶ Jean McKendry, National Park Service
- ▶ Lynn Usery, USGS and University of Georgia
- ▶ Deanna Fowler, Geography Division, U.S. Census Bureau

#### ***Continuing USNC-ICA members***

- ▶ Cynthia Brewer (new Chairperson), Department of Geography, Pennsylvania State University
- ▶ Amy Lobben, Department of Geography, Central Michigan University
- ▶ Gail Ludwig, Department of Geography, University of Missouri
- ▶ Scott Seeley, Intergraph Corporation
- ▶ Robert McMaster (Honorary Member and U.S. ICA Vice President), Department of Geography, University of Minnesota

#### ***Retiring USNC-ICA members***

- ▶ Judy Olson (Chairperson), Department of Geography, Michigan State University
- ▶ Tanya Allison, Montgomery College
- ▶ Ann Johnson, Environmental Systems Research Institute, Inc.
- ▶ John Kelmelis, National Mapping Division, U. S. Geological Survey
- ▶ William Thompson, Geography Division, U.S. Bureau of the Census

For more information, visit the USNC-ICA website at: <http://usnc-ica.org>.

### **22nd International Cartographic Conference A Coruña, Spain, July 2005**

The Call for Papers is out for the next ICA meeting in A Coruña, Spain, July 9-16, 2005. The due date for abstracts is November 1, 2004; applications can be found at the ICA website ([www.icc2005.org](http://www.icc2005.org)). All cartographers are encouraged to present their U.S. mapping and GIS work at the meeting. The USNC-ICA through CaGIS has travel funds for A Coruña from NSF and other sources. Interested young, middle and senior scholars should contact Cindy Brewer ([cbrewer@psu.edu](mailto:cbrewer@psu.edu)), Chairperson of

the U.S. National Committee to the ICA, about interest in funding to attend the conference. For more information, visit the ICA website at: <http://www.icc2005.org>.

### **NACIS Annual Meeting in Portland, Maine October 6-9, 2004**

Plan ahead for NACIS XXIV in Portland, Maine October 6 through 9. About 150 people attend the annual meeting for a lively mix of papers, posters, and events that allows for easy interaction among the attendees. You can get the flavor of the papers, hands-on workshops, seminars, cartographic exhibits, and field trips by perusing last year's program ([www.nacis.org/pdf/final\\_program\\_XXIII.pdf](http://www.nacis.org/pdf/final_program_XXIII.pdf)).

October 6 will be a day-long pre-conference event on practical cartography. It is a very popular event for those interested in production cartography issues.

Hundreds of map makers, map librarians, map historians, map educators, and map distributors from private, academic, and government organizations belong to NACIS. Take a look at [www.nacis.org](http://www.nacis.org) - you're sure to fit in. If you don't recall getting information from NACIS about last year's conference, e-mail [veep@nacis.org](mailto:veep@nacis.org) to receive this year's call for papers in the early spring and in mid-summer, the preliminary program, conference registration materials, and further information about Practical Cartography Day.

Trudy Suchan, NACIS XXIV Program Chair  
[trudy.a.suchan@census.gov](mailto:trudy.a.suchan@census.gov)

### **New CSG Officers Elected**

*Judith Tyner*

At long last the ballots have been cast and the results are in. Congratulations to those elected, and many thanks to all who agreed to run and to serve. Thanks also to Rex Cammack for putting together the slate of candidates and the ballot.

<i>Chair:</i>	James E. Young
<i>Vice Chair:</i>	Michael Leitner
<i>Secretary-treasurer:</i>	David K. Patton
<i>Academic Director:</i>	Mark Harrower
<i>Non-academic Director:</i>	Cory Eicher
<i>Student Director:</i>	Sarah E. Battersby
<i>Past Chair:</i>	Judith Tyner

### **2004 CaGIS Competition: Ambassador to the ESRI User Conference**

CaGIS wants to help two students attend the ESRI User Conference this year. The two students will be selected as CaGIS Ambassadors to the ESRI International User

Conference. Winners will receive hotel accommodations as well as support to offset travel costs and meals. The total award for each student is worth \$1000. As a CaGIS ambassador, students will be part of the team manning the CaGIS booth in the conference Exhibition Hall. In their free time, they are encouraged to visit technical sessions, see software demos, spend some time in the Map Exhibition, and browse the vendor booths, all while networking at the conference.

**Eligibility:** Any undergraduate or graduate student enrolled in a four-year college as of spring term 2004 is eligible to enter, but to win, students must be a member of CaGIS. Preference will be given to one undergraduate and one graduate student. Preference will also be given to first time attendees to the conference.

**To apply:** Submit a completed contest application form, including a statement of how CaGIS can better serve its student membership. Submit the form via email along with faxed transcripts and proof of CaGIS membership.

**Deadline for applications:** Applications must be received by June 15, 2004. Winners will be notified by July 1st.

The application form and further details are available at the CaGIS website at <http://www.acsm.net/cagis/>.

## Maps and the Internet Call for Papers

The Cartography Specialty Group is once again sponsoring paper sessions in conjunction with the ICA Commission on Maps and the Internet. Paper topics should fit into one of the broadly defined terms of reference for the Maps and the Internet Commission.

- ▶ Focus attention on disseminating maps and spatial data through distributed electronic networks.
- ▶ Examine Internet map usage and project future areas of growth.
- ▶ Examine web map user issues to better serve user needs.
- ▶ Promote the exchange of information about effective Internet mapping for an international audience.
- ▶ Improve user access to maps by examining the potential of Internet map metadata.

Authors interested in submitting a paper please contact Michael Peterson ( [mpeterson@unomaha.edu](mailto:mpeterson@unomaha.edu) ) or Rex Cammack ( [rexcammack@smsu.edu](mailto:rexcammack@smsu.edu) ). The Map and the Internet Commission encourages first time, young and/or international scholars to participate.

For more information:

<http://maps.unomaha.edu/ica/Maps&Internet/default.html>

## Master's Thesis Research Grant Call for Applications

June 15<sup>th</sup> is the next application deadline for the Master's Thesis Research Grant Program. These grants are available to masters students working on cartographic research and who are enrolled in a geography degree program. Grants are available to \$300 and may be used for items necessary to research such as travel, materials, equipment, and human subject fees.

An application form can be obtained from the Non-Academic Director (contact information follows). The student also will submit a three-page description of the research plan. Three people review each research plan and provide valuable commentary to the student on the proposal whether funded or not. Other deadlines for the submission are March 15 and November 1 of each year. For more details on the program, go to:

<http://www.csun.edu/~hfgeg003/csg/master.html>

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## Open Source GIS Conference 2004 and 2<sup>nd</sup> Annual MapServer User Meeting Carleton University – Ottawa, Canada June 9-11, 2004

This three-day conference consists of two parallel events. The first, a general Open Source GIS conference that focuses on various open source technologies and their implementations around the world, and second, the 2<sup>nd</sup> Annual MapServer User Meeting that focuses on the MapServer open source web mapping product, and continues the tradition of an annual user group meeting.

Each has unique seminars and workshops that share an underlying theme – the advancement of open source GIS technology. The Open Source GIS conference will provide an introduction to open source technologies, covering in detail both management and technical aspects, and the latest trends. The 2<sup>nd</sup> Annual MapServer User Meeting will focus on MapServer technology including user experiences, technical workshops, and discussions about future developments. The event opens with a joint plenary that will set the direction of both conferences.

For more information:

<http://www.omsug.ca/osgi2004/index.html>

## British Cartographic Society: 41st Annual Symposium & Map Curator's Workshop

The British Cartographic Society 41st Annual Symposium and Map Curator's Workshop will be held from Thursday, September 9<sup>th</sup> through Sunday, September 12<sup>th</sup> at the University of Durham in Durham, England.

The Symposium will consist of informative lectures, workshops and social events.

**Symposium Session I:** Children and Cartography  
**Symposium Session II:** Education in Cartography  
**Symposium Session III:** Mapping Boundaries  
**Symposium Session IV:** Historical Military Mapping  
**Symposium Session V:** Contemporary Military Mapping  
**Symposium Session VI:** Cartographic Generalization  
**Map Curators Group:** Acquisition + local sites excursion  
**Strategic Session:** Future direction of British cartography  
**Exhibition:** The annual showpiece of UK mapping  
**Annual Dinner and Awards Ceremony**

BCS members will receive a brochure and booking form in the post in May. For any specific queries please contact:

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 Tel +44 (0)191 222 6353  
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British Cartographic Society web site:  
[www.cartography.org.uk/](http://www.cartography.org.uk/)  
 Latest symposium news:  
[www.cartography.org.uk/Pages/Latest/SympDurh.html](http://www.cartography.org.uk/Pages/Latest/SympDurh.html)

## Joint Meeting of ICA Commissions on Ubiquitous Mapping & Maps and the Internet Tokyo, Japan – September 7 - 9, 2004

The ICA Commissions on Ubiquitous Mapping and Maps and the Internet announce a workshop in Tokyo at the beginning of September 2004. The workshop is sponsored by the Commission on Ubiquitous Mapping, the Commission on Maps and the Internet, the Center for Spatial Information Science (CSIS) of University of Tokyo, the Geographic Information Systems Association and the Japan Cartographers Association. The ICA Commissions were formed in 1999 and 2003 respectively in response to the rapid growth in the use of electronic networks to distribute maps and spatial data, and rapid diffusion of new mobile devices. The purpose of the workshop is to bring together international specialists in

the field of Mobile mapping, Location based Services and Internet mapping, and to disseminate information to a broader audience on new developments and major areas of research.

For more information:  
<http://www.ubimap.net/>

## SVG Open 2004 Conference and Exhibition Tokyo, Japan – September 7-10, 2004

Scalable Vector Graphics (SVG) is an exciting World Wide Web Consortium (W3C) open standard enabling high-quality, dynamic, interactive, stylable graphics to be delivered over the Web using accessible, human-readable XML. SVG can be delivered to mobile phones, PDAs, and desktop computers. At this third international SVG Open conference, this is your chance to discuss development experience, products, workflows and strategies involving SVG. The conference language is English; translation facilities will be available to encourage English-Japanese communication.

For more information:  
<http://www.svgopen.org/2004/>

## Map News from USGS

**Earthquakes in the Central United States 1699-2002**  
 Russell L. Wheeler, Eleanor M. Omdahl, Richard L. Dart, Gerald D. Wilkerson and Rick H. Bradford  
 Date: April 7, 2004  
 Subject: Three Centuries of Earthquakes  
 Stock #: 115886  
 Price: \$7.00 for the maps plus \$5.00 handling  
 Size: 43x57 inches

Prepared in cooperation with the Central United States Earthquake Consortium and the Association of CUSEC State Geologists, the newest earthquake map, Geologic Investigations Series I-2812, shows the distribution of earthquakes in the most seismically active region of the central United States. The region includes all of Illinois, parts of Iowa, Missouri, Arkansas, Tennessee, Mississippi, Alabama, Kentucky, Indiana and Michigan. More than 800 earthquakes are shown on this map along with explanatory text, newspaper headlines, and illustrative graphics.

The large-format shaded relief map, "Earthquakes in the Central United States 1699-2002" identifies the infamous New Madrid earthquakes of 1811 and 1812, with magnitudes between 7.5 and 8.0. The map also shows many smaller, but still destructive earthquakes including a magnitude 6.6 earthquake that shook residents of six states on Halloween morning in 1895 and was centered in

southeastern Missouri; and a magnitude 5.4 earthquake that cracked foundations and toppled tombstones in southeastern Illinois in November of 1968.

The oldest earthquake shown on the map occurred in 1795, northeast of St Louis. Almost a century earlier in 1699, missionaries traveling down the Mississippi River felt an earthquake. From their single written report, the earthquake could have been either small and close to their camp between present-day Memphis TN, and Helena AR., or large and far away. The approximate location of the camp (solid red diamond) along the river is shown.

To view and/or download this poster, go to: <http://pubs.usgs.gov/imap/i-2812/>. This and other earthquake maps, including I-2737 (#28898), "Earthquakes in and near the northeastern United States 1638-1998", are available from any USGS Earth Science Information Center (ESIC). To locate the nearest ESIC, call 1-888-ASK-USGS, or visit: <http://www.usgs.gov>. Orders may be placed through the USGS Store at: <http://store.usgs.gov>.

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303-202-4315  
<http://rockyweb.cr.usgs.gov/public/outreach/>

## Call for participation: Workshop and Paper Sessions - Distributed Geovisualization

The 2004 meeting of the **ICA Commission on Visualization & Virtual Environments** is planned in conjunction with the GIScience-conference in the United States ( <http://www.giscience.org/> ) which takes place October 20-23 in University College, Maryland.

The Commission will sponsor 2 kinds of activity:

- ▶ **Geovisualization Developers Workshop.** The Commission will organize a geovisualization developers workshop on October 20<sup>th</sup> devoted to demonstrations, presentations, discussion, and sharing focused on recent geovisualization software developments. We invite abstracts for these demo/presentation sessions – **deadline for receipt is June 28** – email to: [maceachren@psu.edu](mailto:maceachren@psu.edu) and [kraak@itc.nl](mailto:kraak@itc.nl). Participation is not limited to Commission members/non-members, so if you have developed innovative geovisualization applications in any development environment, for any platform, we welcome your submission.
- ▶ **Geovisualization Paper Sessions.** During the main GIScience event, the Commission will organize several parallel sessions on Distributed Geovisualization. Entry to these sessions can be

obtain via the "extended abstract" channel of the main conference web site (**deadline for abstracts June 28** – -- <http://www.giscience.org/> ). The abstracts will be judged as all other conference submissions. We anticipate inviting authors of a selection from these papers to submit full papers for inclusion in a special peer reviewed journal issue (with a deadline for full papers in early October).

For both of these activities, we are particularly interested in stimulating discussion and idea sharing about **distributed geovisualization** – geovisualization distributed among components (in component-oriented software), geovisualization that draws upon distributed data resources, geovisualization that is distributed in space (e.g., on mobile devices), and geovisualization distributed among individuals (thus collaborative geovisualization). The activities above are not, however, restricted to these topics. We welcome submissions directed to any parts of the science goals within the current Commission *terms of reference* (see following).

### **ICA Commission on Visualization & Virtual Environments Terms of Reference – Scientific Goals for 2003-2006**

To study and report on the changing and expanding role of maps in science, decision-making, policy formulation, and society in general due to the continuing technological and conceptual advances that enable new map forms used as *visual thinking/decision-support* tools. During this term, particular attention will be directed to four cross-cutting themes identified in research agenda setting activities of the Commission during its previous term. These cross-cutting themes will serve as a starting point for work – with Commission activities over the four years expected to progress beyond initial goals. The themes and the initial target problem within each are: (1) *leveraging advances in display and interface technology for cartographic representation* – to develop the understanding and integrated technologies that make it possible to take advantage of the potential offered by increasingly experiential representation technologies; (2) *developing and extending geovisualization methods and tools to support knowledge construction* – to develop extensible methods and tools that enable understanding of, and insight to be derived from, the increasingly large and complex geospatial data sets becoming available. (3) *supporting multi-user geovisualization* – To develop a new generation of geovisualization methods and tools that support group work; (4) *understanding geovisualization users and meeting their needs* – to develop a human-centered approach to geovisualization.

## Submit to *Cartographic Perspectives*

You are invited to submit a manuscript for publication consideration in *Cartographic Perspectives* (*CP*). If you are unfamiliar with *CP*, please visit the web site at [www.nacis.org](http://www.nacis.org) and look at the content pages of past issues. During the past three years there have been a number of changes that are making *CP* a solid journal in cartography. Some of these changes include official copyrights, a higher submission rate of manuscripts resulting in a higher rejection rate, color now available for all issues, and more stringent reviews from a very diverse editorial board. Currently, *CP* is indexed in Current Geographical Publications, and in GEOREF. Indexing, of course, provides greater exposure of your work. The editors of *CP* are working on having *CP* indexed by GEOBASE at Elsevier, which would be the most effective indexing database for *CP*. All of these changes increase the profile of *Cartographic Perspectives*, creating a journal that has a broad and diverse audience.

The editorial board of *CP* has strived to have manuscripts reviewed within a 4 week time period, and to have accepted and/or revised manuscripts published within 3 months of their receipt. We have been successful achieving the 4-week review period, and with the selection of a new printing company, we are seeing faster turn around times for the delivery of each issue. *CP* will be on track by Spring, 2004.

The preferred medium for receiving manuscripts is either PDF or WORD format, as an email attachment to an email. This medium facilitates the review and editing process for the editorial board. You can send your manuscript to the Editor, Scott Freundsuh at [sfreunds@d.umn.edu](mailto:sfreunds@d.umn.edu). If you prefer, you can send 4 copies of your manuscript to the Editor at Geography Department, 329 Cina Hall, University of Minnesota, Duluth, MN 55803.

## Cartographic Web Sampler

Forward to editor any links you would share with CSG.

<http://www.csiss.org/clearinghouse/FlowMapper/>  
The *Center for Spatially Integrated Social Science* (*CSISS*) offers a number of spatial tools, including an interactive *Flow Mapper* program originally developed by Waldo Tobler in 1987 and recently updated by David Jones.

<http://world.std.com/~jraisz/>

This website sells landform maps created by Erwin J. Raisz, and provides biographical information about this influential cartographer.

## Calendar

**August 9-13, 2004.** ESRI User Conference. San Diego, California.

<http://www.esri.com/events/uc/>

**September 9-12, 2004.** British Cartographic Society annual symposium. Durham, England.

<http://www.cartography.org.uk/>

**October 6-9, 2004.** North American Cartographic Information Society annual meeting. Portland, Maine.

<http://www.nacis.org>

**April 5-9, 2005.** Association of American Geographers annual meeting. Denver, Colorado..

<http://www.aag.org/>

**March 6-9, 2005.** Geospatial Information and Technology Association Conference. Denver, Colorado.

<http://www.gita.org/events/annual/28/index.html>

**July 9-16, 2005.** International Cartographic Conference. A Coruña, Spain

<http://www.icc2005.org/>

## Newsletter Deadline

Submission of items for the CSG newsletter should be received by September 10<sup>th</sup> for the fall issue. Please send to:

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Samford University  
Birmingham, Alabama 35229  
[RMBaber@samford.edu](mailto:RMBaber@samford.edu)

## Address Changes

The CSG receives its email addresses and mailing labels from AAG Headquarters. Changes or corrections to the mailing list should be sent to:

Director of Membership  
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## **2003-2004 CSG Officers**

### ***Chair (2004-2005)***

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