



## CARTOGRAPHY SPECIALTY GROUP

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### Words from the Chair

*Rex Cammack*

It has been a long road for the name change for the Cartography Specialty Group and I would like to use my final message as chair to address this issue. Back at least four years ago members of the CSG suggested adding visualization to the name of the group. I was in a small group of colleagues when I first heard the idea. Everyone in the group had a different opinion on the subject. Some in the group were passionate about making the change. Some felt it was the last chance for cartography to maintain its importance and others thought that making the change was insignificant. My first opinion was "better safe than sorry" and changing the name would protect the status of cartography within the AAG. Since that first discussion, I have been involved in numerous discussions about this issue and the related topic of the current health of cartography today. During the debate, pro and con papers from Jeremy Crampton and Keith Clarke respectfully, added to the debate by carefully demonstrating the merits of their points of view. In the end with this collection of ideas and debate, I have come to the realization that the name change itself was not the most important thing. The single most important issue was the synergy of ideas that came from the process. Open discourse and debate can lead to community development and internal enlightenment. For myself I have an improved understanding of visualization and its underpinning in regards to cartography. Visualization is a part of cartography. Visualization is important to the cartographers and their craft. Yet does it merit having a title role? For me, after all this dialog and debate, I remain in favor of cartography by itself.

With my role as Chair of CSG, I should not and will not dictate that no name change will take place, so I started the process of having the name change added to this year's ballot. In order to change the name of the specialty group,

the membership must amend the CSG constitution. The process for creating amendments is defined within the constitution. The first step is to have the board of directors form the proposed amendment and vote on it. The board of directors is made up of the Chair, Vice Chair, Secretary/Treasurer, Non-academic director, two academic directors, and student director. All constitutional amendments must receive 5 votes in favor to be placed on the ballot. The vote was three for and three against with one vote uncounted. Since the amendment failed to receive five votes it was not placed on this year's ballot. Although the name change did not receive the sufficient votes to be placed on the ballot, it is important to recognize that the dialog leading to this vote was beneficial to the CSG. Challenging questions such as a name change are important for the vitality of the CSG. The forum and means of discourse between members on such issues will only strengthen the foundation for the CSG.

In closing, I would be remiss if I did not to thank the outgoing members of the board of directors. Trudy Suchan has been the non-academic director for the pass 2 years and has worked hard on CSG research grant program. Alison Feeney is completing her last year of outstanding service as academic director. Jason Kostelnick is doing and excellent job helping to organized the CSG, GIS and Remote Sensing Student poster competition. Matt McGranaghan has successful complete his tour of duty as past chair and has served CSG diligently for three years. The CSG tips their collective hats to all for their excellent work. In New Orleans Judith Tyner will assume the duties of chair. Lawrence Handley will continue as Treasurer and Secretary and Robert Maxwell Beavers will serve as academic director and newsletter editor. Both have done an exceptional job and are great to work with. For myself I am looking forward to sliding into the past chair position with all the perks that position entails. One of them being that I am looking for volunteers to run for offices in 2004-2005, it's never too early to start a campaign.

Hope to see everyone in the BIG EASY.

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## CSG Business Meeting in New Orleans

The annual **CSG Business Meeting** has been scheduled for **Wednesday, March 5<sup>th</sup>, 7:30 to 8:30 pm** as part of the annual meeting of the Association of American Geographers in New Orleans, LA. Please join us as we meet to summarize events and discussions over the past year and to make plans for the upcoming year. Check your program for room and schedule changes.

## Iraq Map Available from USGS

*Joseph Kerski*

An Iraq Map has recently been released by the National Imagery and Mapping Agency (NIMA), and is available to the public for \$10.00(US) plus handling. Quantities are limited and the USGS may obtain the digital files of the map from NIMA for future printing. (This could result in a price change). I examined a copy of this map this week and it is quite interesting; the map includes insets, something rare on a NIMA map.

The stock number is #114341.

The map includes portions of the surrounding countries of Saudi Arabia, Kuwait, Iran, Syria, Jordan, Egypt, Cyprus, Lebanon, Israel and Turkey.

Print Date: 2002  
 Dimensions: 34"(H) x 60"(W) Survey Date: 2001  
 Contour Interval: VARIES, BY SHADED TINT  
 Contour Units: METERS  
 Language: ENGLISH  
 Horizontal Datum: WGS 1984  
 Vertical Datum: MEAN SEA LEVEL  
 Scale: 1:2 million

Insets are:

- 1) (Regional) Holy Sites,
- 2) Iraq Holy Sites,
- 3) Iraq Provinces,
- 4) Kurdish Region,
- 5) Southern Marsh Region,
- 6) Power Infrastructure,
- 7) Oil Industry,
- 8) Distances between Iraq Population Centers in miles,

9) Distances between Iraq Population Centers in km.

The map also portrays boundaries, populated places, transportation, etc.

For questions about this and other NIMA products contact:

USGS Information Services  
 Box 25286  
 Denver, CO 80225  
 Fax 303-202-4693  
 1-888-ASK-USGS

## National Map Report

Keith C. Clarke, of the University of California, Santa Barbara recently chaired a Committee for the National Academy of Sciences that reviewed the USGS Concept of the National Map. The committee activities included a workshop at the academy, held last September, that provided input to the committees process. The preliminary report was released February 3rd, 2003, and is available on the NAS website at <http://www.nas.edu>.

## Careers in Cartography and GIS Brochure

The Cartographic and Geographic Information Society (CaGIS) is updating its *Careers in Cartography and GIS* brochure, which can be found on their website: <http://www.acsm.net/cagis/CaGISCareerWeb/index.html>

This brochure is for students considering cartography and GIS careers, and is published by the American Congress on Surveying and Mapping (ACSM) and CaGIS.

## Maps and the Internet Symposium/Workshop Stellenbosch, South Africa – Aug. 5-7, 2003

*Michael Peterson*

The Maps and the Internet Commission of the International Cartographic Association (<http://maps.unomaha.edu/ica>) will hold its annual meeting in Stellenbosch, South Africa, prior to the International Cartographic Conference (ICC) in Durban, South Africa (<http://www.icaci.org/>). The meeting will be held at the University of Stellenbosch near Capetown, South Africa, on Aug. 5-7. The ICC conference follows August 10-16.

The meeting in Stellenbosch will consist of both a symposium and a hands-on workshop. The symposium will consist of paper presentations. Ideally, these presentations should be associated with the workshop to be held on the last day of the conference, August 7. Abstracts (500 words) are being accepted through April 30th for either the symposium or the workshop. Abstracts should either propose both a 15 minute symposium presentation

and 1 hour hands-on workshop, or a 25 minute symposium presentation.

Stellenbosch is the oldest town in South Africa after Cape Town. It is one of the most scenic and historically well-preserved towns in Southern Africa, characterized by Cape Dutch, Victorian and Georgian architecture. The city is situated in a magnificent mountain valley and boasts a mild Mediterranean climate. Forty-five minutes from Cape Town, Stellenbosch is the center of the country's wine industry.

Abstracts are being accepted through April 30, 2003. Please send abstracts to Michael Peterson at [geolib@unomaha.edu](mailto:geolib@unomaha.edu).

### **Master's Thesis Research Grant Call for Applications**

*Trudy Suchan*

November 1 is the next application deadline for the Master's Thesis Research Grant Program. We have not received any applications yet this year and it would be a pleasure to make award(s) if good applications are received this fall. 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 submission are March 15 and June 15 of each year. For more details on the program, go to <http://www.csun.edu/~hfgeg003/csg/master.html>.

Trudy Suchan  
CSG Non-Academic Director  
U.S. Census Bureau  
4700 Silver Hill Road, Stop 8800  
Washington, D.C. 20233-8800  
301/763-2419  
[trudy.a.suchan@census.gov](mailto:trudy.a.suchan@census.gov)

### ***Cartographic Perspectives* seeks Articles**

*Scott Freunds Schuh*

*Cartographic Perspectives* (CP), the academic and professional journal of the North American Cartographic Information Society, publishes papers on contemporary theoretical and practical issues about maps. Recent

publications include papers on the production of maps, map use, historical maps, political and social cartography, spatial cognition and maps, geo visualization and maps, novel ideas for map design, map use and education, participatory mapping, and the like. Visit the NACIS web site at <http://www.nacis.org> for examples of recent publications.

CP is a fully refereed journal, published three times a year. Reviews are double blind. The goal of the editorial board of CP is to review and return manuscripts to authors within a 6 week period, and try to publish papers within 6 months of receiving them. If you are interested in using CP as an outlet for your research, please send your manuscript in digital form to Scott Freunds Schuh at [sfreund@d.umn.edu](mailto:sfreund@d.umn.edu). An attached WORD document is most desirable. Otherwise, send 4 copies of your paper to:

Scott Freunds Schuh, Editor  
Department of Geography  
University of Minnesota  
Duluth, MN 55812

### **The 2003 Walter W. Ristow Prize in the History of Cartography and Map Librarianship**

*Steven J. Vogel*

The *Walter W. Ristow Prize* seeks to recognize achievement in cartographic history and map librarianship and is offered annually by the *Washington Map Society*.

**Who May Apply:** The competition is open to all full or part-time upper-level undergraduate, graduate and first-year postdoctoral students attending accredited colleges or universities.

**Entry Criteria:** Entries are to be research papers or bibliographic studies related to cartographic history and/or map librarianship. In the case of undergraduate and graduate students, the entries shall have been completed in fulfillment of requirements for course work. A short edition of a longer paper is permitted; papers of shorter length have been highly competitive. The text may not exceed 7,500 words, in English. Papers must be fully documented in a style of the author's choice (endnotes preferred). Inclusion of clear graphics supporting the paper is appreciated.

**Deadline:** Entries must be postmarked by June 1, 2003 and sent to Bert Johnson, Ristow Prize, 2101 Huntington Avenue, Alexandria, VA 22303-1547, USA.

**Format:** Entries must be submitted in four unbound copies with appropriate title page and cover sheet. The cover sheet must include the entrant's name, address, telephone

number(s), and e-mail address (if available) for timely contact. Please be certain that identifying material does not appear on any page except for the cover sheet.

**Judging Criteria:** Entries will be judged on three broad criteria: importance of research, (e.g., originality, sources); quality of research (e.g., accuracy, source reliability); quality of writing (e.g., clarity, command of cartographic terms).

**Judging Methods:** Entries will be assessed by three judges of suitable cartographic background. Judges will receive anonymous copies of entries, read them independently, and report their assessments to a collator.

**The Award:** The winner will receive \$1000 (increased this year), a one-year membership in the Washington Map Society, and the paper will be published in *The Portolan*, the journal of the Washington Map Society.

Walter W. Ristow, co-founder and first president of the Washington Map Society, is Chief, Emeritus of the Geography and Map Division of the Library of Congress.

For further information about the RISTOW PRIZE contact Bert Johnson at the above address or at [mandraki@erols.com](mailto:mandraki@erols.com). For information about the *Washington Map Society* contact Stacy Hoppen ([stacyhoppen@hotmail.com](mailto:stacyhoppen@hotmail.com)), Membership Chair, P.O. Box 15530, Washington, DC 20003, USA; or <http://www.washmap.org>.

#### 2002 Ristow Prize Winners:

- ▶ *First Place* – Gary Spur, a graduate student at the University of Texas at Arlington, for his paper entitled “Maps of Conquest: Indian and Spanish Maps of Mesoamerica”
- ▶ *Honorable Mention* – Rushika Hage, a graduate student at the University of Minnesota, for her paper entitled “The Island Book of Hendricus Martellus: Charting Lands Known and Unknown”

### CSG Sponsored Sessions at AAG 2003

#### *Spatialization I*

Wednesday, March 5, 1:00-2:40 pm

*Organizers:* Sara Fabrikant, Andre Skupin

*Chairs:* Andre Skupin

- ▶ Guoray Cai, “Spatial metaphors for visualizing similarities of textual documents”
- ▶ Katy Borner, “Towards a Cartographic Map that Shows the Evolution of Knowledge Domains”
- ▶ Sara Fabrikant, “Distance and Similarity in Semantic Networks”

#### *Spatialization II*

Wednesday, March 5, 3:00-4:40 pm

*Organizers:* Sara Fabrikant, Andre Skupin

*Chairs:* Sara Fabrikant

- ▶ Marco Ruocco, “Landscape information, cognition and visualization: towards a theory of camera motion over landscape”
- ▶ William Pike, “Concept visualization for web-based group collaboration”
- ▶ Andre Skupin, “Going SOMwhere?”

#### *Illustrated Paper Session: Geographic Visualization*

Wednesday, March 5, 3:00-4:40 pm

*Organizers:* Scott White, Robert Maxwell Beavers

*Chairs:* Scott White, Robert Maxwell Beavers

- ▶ Robert M. Beavers, “Leavin' Me Blue for Dixie: Representations of Poverty in Alabama”
- ▶ Carol A. Gersmehl, “Use of School District Census for Urban GIS Analysis”
- ▶ Teresa Howard, “Playa Basin Characterization through Visualization”
- ▶ Scott White, “Visualizing Streamflow Patterns and Discharge during a Large Flooding Event”

#### *RSSG, GISSG and CSG Illustrated Paper Student Competition – Session One*

Thursday, March 6, 8:00-9:40 am

*Organizers:* L. Monika Moskal

*Chairs:* L. Monika Moskal, John C. Kostelnick

- ▶ John Van Hoesen, “Predicting the spatial distribution of perennial snow and ice in the interior Great Basin, Southwestern U.S.”
- ▶ Haiyan Yang, “The Influence of National Flood Insurance Program to Coastal Development in Texas”
- ▶ Brian Wardlow, “An Agricultural Land Use/Land Cover (LULC) Mapping Protocol for the U.S. Central Great Plains Region”
- ▶ Derek M. Burgess, “Classification of Salt Water Marshes from CASI and LIDAR - Bolivar Peninsula, Texas”
- ▶ Kin M. Ma, “Classification methods comparison of Michigan Landsat images (1975-2000) and land use change analysis”
- ▶ Feng Qi, “Knowledge Discovery from Natural Resource Maps”
- ▶ Matt D. Dunbar, “Quantifying, assessing and visualizing 60 years of forest cover change in northeastern Kansas”

#### *RSSG, GISSG and CSG Illustrated Paper Student Competition – Session Two*

Thursday, March 6, 10:00-11:40 am

*Organizer:* L. Monika Moskal

*Chairs:* L. Monika Moskal, John C. Kostelnick

- ▶ Jason Manning Ardoin, “GIS Models of the Archaic Mounds at Watson Brake and Caney in Northeast Louisiana”

- ▶ Julie Hwang, "Applying Artificial Intelligence Methodology to Geo-referencing with Imperfect Information"
- ▶ Chuanrong Zhang, "Using GML Build an Feature Oriented Database for Conservation of Lunan Stone Forest Landscape"
- ▶ Mark Fedders, "Validation of an ASTER DEM in a Flat Area"
- ▶ John Rogan, "A comparison of machine learning algorithms for land cover monitoring"
- ▶ Pragya Agarwal, "Mapping proximity relations in urban environments"
- ▶ Brian R. Sims, "Assessment of Interpolation Methods and Spatial Resolutions on Urban Digital Surface Models Derived from LiDAR"

### *Maps and the Internet*

Thursday, March 6, 1:00-2:40 pm

*Organizers:* Michael P. Peterson, Rex G. Cammack

*Chair:* Rex G. Cammack

- ▶ Tara M. Koman, "Wastewater System Management and Web-GIS Technology Integration"
- ▶ Michael P. Peterson, "The Development and Distribution of Frequently Updated Maps"
- ▶ Rex G. Cammack, "Paper Maps: The Newest User Interface for Spatial Information Across the Internet and Wireless Networks"
- ▶ Ming-Hsiang Tsou, "Integrated Mobile GIS and Wireless Internet Map Servers for Environmental Monitoring and Management"

### **Calendar**

**February 22-24, 2003.** International Conference on National and Regional Atlases. Kolkata, West Bengal, INDIA.

**March 2-5, 2003.** Geospatial Information and Technology Association Conference. San Antonio.  
<http://www.gita.org>

**March 4-8, 2003.** Association of American Geographers Annual Meeting. New Orleans.  
<http://www.aag.org/>

**March 29-April 2, 2003.** American Congress on Surveying and Mapping Conference. Phoenix.  
<http://www.acsm.net/acsmconf03.html>

**May 27-31, 2003.** Joint annual meeting of Association of Canadian Map Libraries and Archives (ACMLA), Canadian Association of Geographers (CAG), Canadian Cartographic Association (CCA), and Canadian Regional Science Association (CRSA). Victoria, British Columbia.  
<http://office.geog.uvic.ca/onthededge2003/index.html>

**July 7-11, 2003.** ESRI International User Conference. San Diego.  
<http://www.esri.com/events/uc/>

**August 10-16, 2003.** International Cartographic Conference. Durban, South Africa.  
<http://www.icc2003.gov.za>

**October 8-11, 2003.** North American Cartographic Information Society Annual Meeting. Jacksonville.  
<http://www.nacis.org/meetings.html>

### **Newsletter Deadline**

Submission of items for the CSG newsletter must be received by January 31<sup>st</sup> for the winter issue. Please send articles and calendar items to:

Max Beavers  
Department of Geography  
Samford University  
Birmingham, Alabama 35229  
[rmbeaver@samford.edu](mailto:rmbeaver@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  
Association of American Geographers  
1710 Sixteenth Street, NW  
Washington, DC 20009-3198  
[address@aag.org](mailto:address@aag.org)

## **2002-2003 CSG Officers**

### ***Chair (2002-2003)***

Rex Cammack  
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### ***Vice Chair (2002-2003)***

Judith Tyner  
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### ***Secretary/Treasurer (2002-2004)***

Lawrence Handley  
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### ***Academic Director (2001-2003)***

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### ***Non-Academic Director (2001-2003)***

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### ***Student Director (2002-2003)***

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### ***Past Chair (2002-2003)***

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### ***Newsletter Editor***

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## Past Winners from Cartography Specialty Group Student Paper Competitions

### 1992

- ▶ David Tilton (University of Wisconsin at Milwaukee) "Establishing Visual Relationships in Cartographic Animation".
- ▶ Second Place: Rex Cammack (University of South Carolina) "Cartographic Animation: An Exploration of a Mapping Technique".

### 1994

- ▶ Elisabeth Nelson (University of South Carolina) "Color Identification in the Visual Search Process".
- ▶ Second Place: Julio C. Rivera (University of Wisconsin at Milwaukee) "Adult Cognition and Cartographic Interpretation".

### 1995

- ▶ Beverly Evans (Penn State University), David Howard (Penn State University), Jue Hue (Michigan State University) and Cheryl Rogers (San Diego State University).

### 1996

- ▶ Sophia Linn (University of Colorado at Boulder) "The Effectiveness of Interactive Math in the Classroom".
- ▶ Second Place: Trudy Suchan (Penn State University) "Where do Cartographic Categories Come From and Where are they Going?".
- ▶ Finalists: Debbie Morris "Perception of the Risk Map" and Keith Rokoske "Symbolizing Isarithmic Map Data Quality: Which Visual Variables are Most Effective?".

### 1997

- ▶ Jonathan H. Smith (University of Georgia) "Cartographic Presentation of Indigenous Land Tenure and Management".
- ▶ Second Place: Nancy Winter (Clark University) "Spatial Data Flow for Mapping in Hurricane Andrew Disaster Management".

### 1998

- ▶ Daniel Haug (Pennsylvania State University) "Software Tools for Exploratory Visualization of Point Data".
- ▶ Second place: Alison Philpotts (Michigan State University) "Evaluating Multimedia: Keeping Cartographic Testing Techniques Current with Changing Technology".

### 1999

- Jill Hallden (Michigan State University) "Developing Three-Dimensional Cartographic Animations to Visualize Population Data".
- ▶ Second place: Mark Harrower (Pennsylvania State University) "Beyond the Single-Best Solution Map: A

Conceptual Framework for Mapping Spacetime".

### 2001

- ▶ Erik Steiner (Pennsylvania State University) "Region Representaion and Cognitive Distance Distortion".
- ▶ Second place: Isaac Brewer (Pennsylvania State University) "The Design and Implementation of Temporal and Attribute Query Tools for Geovisualization".

### 2002

- ▶ Eugene Carpentier III (University of Oregon) "Visualizing Continuous Data: Guidelines for Creating Color Schemes".
- ▶ Second place: Thomas L. Garey (University of Toledo) "Maps Tell the Story: How Cartography Helps Explain the Sequent Occupance Phenomenon of the Birmingham Ethnic Neighborhood in East Toledo, Ohio, 1880-2201".

## Past Winners from CSG/GISSG/RSSG Student Paper Competitions

### 2000

- ▶ Jill K. Hallden (Michigan State University) "Development of a System for Visualizing Remotely Sensed Data".
- ▶ Second place: Richard M. Warnick (University of Utah) "Reverse Proximity and the Demand for Additional wilderness Areas in Utah".
- ▶ Third place: J.M. Shawn Hutchinson (Kansas State University) "A Comparison of Techniques to Remove the Influence of Topography from SAR Imagery".
- ▶ First place Undergraduate: Kevin Coughlin (Salem State College) "Remote Sensing, How it Works".

### 2002

- ▶ Erik R. Standhagen (University of Oregon) "Compiling and Visualizing Historical Land Cover Data for the Sierra Nevada".
- ▶ Second place: Jennifer A. Miller (San Diego State University) "Modeling Vegetation Alliances in the Mojave Desert with Spatial Dependence".
- ▶ Third place: Kevin Alicia (University of Toledo) "Examining Phemology and Spectral Response to Identity Crops in the Sandusky Watershed of Northern Ohio".