



# CARTOGRAPHY SPECIALTY GROUP

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Volume 21, Number 1

Winter 2001

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## Words from the Chair

*James Lowry*

It's a Friday afternoon 3½ weeks prior to our get-together in New York and just yesterday my student worker Serena told me my hair is getting a little shaggy again. Since I'm in need of a haircut this afternoon and since this is my last chair's column, I'll keep it short.

While I am personally not in favor of a CSG name change, I regret to have to inform the membership that we have not, as promised, given you the opportunity to vote on the matter this year. Looking back over board and business meeting minutes of the past few years, I see this is not the first time this has happened. At the CSG board meeting in NY, as one of my last duties, I will be appointing committees for 2001-2002. While committee members are usually board members, I'd like to encourage any of you who have strong feelings on this issue and who are willing to take the time to put together a ballot, complete with opinion pieces, to let me know. I'd like to appoint a committee that will get this issue off our agenda one way or another. Also, if you are one of the volunteers to write the opinion pieces, from the Pittsburgh business meeting, and have not been contacted about this, please write the pieces and forward them to me. I promise to make sure that the new committee receives them.

By the way, my last column generated a total of six responses. According to what Charlie Rader and Scott Freundsuh, the two most recent chairs before me, have said, that appears to be somewhat of a record number of responses vis-à-vis this issue. Just for the record, five individuals (two faculty and three professional cartographers) said they agreed that "cartography" is a perfectly good name for our group, while the other (faculty) was in favor of appending "visualization" to the specialty group name.

As for the NY meeting, please try to attend as many of the CSG sponsored sessions as you possibly can. Matt McGranaghan, our current vice chair, has worked long and hard on the program and we should support him and the CSG. Please also make plans to attend the CSG business meeting. It will be held at 7 pm (the program says 6:40 in one place and 7:00 in another, 7:00 is correct) on Thursday, March 1. See you there!

James

[jlowry@mailclerk.ecok.edu](mailto:jlowry@mailclerk.ecok.edu)

James Lowry, Chair of Cartography Specialty Group  
Associate Professor and Chair  
Department of Cartography and Geography  
East Central University

## CSG Annual Business Meeting in NYC

*Elisabeth Nelson*

The annual **CSG Business Meeting** has been scheduled for **Thursday, March 1, 7:00 pm to 8:00 pm** as part of the annual meeting of the **Association of American Geographers** in New York, NY. 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 programs for room and schedule changes.

## Recent Tobler Presentations on WWW

Recent presentations by Waldo Tobler ("Exploring Geography Cartographically," "Unusual Map Projections," and "Qibla Maps" can be found on the website <http://www.geog.ucsb.edu/people/tobler.htm> under the *Recent Presentations* link.

## “Millie the Mapper” Project Request

Judith Tyner, professor of Geography at California State University, Long Beach, is conducting research on the role of women in geography and cartography during World War II and the period following. She would like to contact women who worked in the field during that period in any capacity to answer a short questionnaire. If you are interested in participating, please contact her at:

Judith Tyner, Ph.D.  
Department of Geography  
California State University, Long Beach  
Long Beach, CA 90840  
Phone: 562-985-5332  
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## Call for Participation – ICA Workshop

*Michael Peterson*

There will be a Workshop on Maps and the Internet in Guangzhou, China – July 31<sup>st</sup> to August 2<sup>nd</sup>, 2001. The ICA Commission on Maps and the Internet announces a workshop preceding the 20th International Cartographic Conference in Beijing 2001 (ICC 2001; August 6-10). The Workshop is being sponsored by the Commission on Maps and the Internet, South China Normal University, and the Guangdong Academy of Sciences. The ICA Commission was formed in 1999 in response to the rapid growth in the use of electronic networks to distribute maps and spatial data. The purpose of the workshop is to bring together international specialists in the field of Internet mapping and to disseminate information to a broader audience on new developments and major areas of research.

### **Important Dates**

FEB 28, 2001 - Abstracts Due (300 words)  
MARCH 31, 2001 - Notification of Acceptance  
MAY 30, 2001 - Working Papers due for Paper Sessions  
JULY 31 - AUGUST 2, 2001 - Workshop in Guangzhou  
AUGUST 6 - AUGUST 10, 2001 - ICC 2001 in Beijing

### **General Information**

The workshop will focus on a variety of issues related to the distribution of maps through the Internet. Working papers should address the terms of reference of the commission:

1. Examine methods of promoting effective Internet mapping techniques, including methods of map distribution and Internet map design.
2. Examine Internet map usage and project future areas of growth.
3. Examine web map user issues to better serve user needs.
4. Examine the use of metadata to improve user access to maps.

5. Promote instruction on Internet mapping and the diffusion of the technology.

In conjunction with the working papers the workshop will also feature live demonstrations.

### **Who Should Attend?**

Anyone interested in the use of the Internet for the distribution of maps and spatial data:

- members of academia who wish to familiarize themselves with recent research developments and who are keen to develop new perspectives;
- practitioners from mapping organizations as well as software industry representatives who wish to contribute their experience with commercial Internet mapping software and explore new concepts and opportunities for software development;
- students of cartography who wish to have a better understanding of the major areas of research related to the distribution of maps through the Internet.

The participation of young researchers is particularly encouraged.

### **About the Location**

The meeting will be held in Guangzhou, China. Located just north of Hong Kong, Guangzhou is the economic center of South China and one of the largest cities in the country. As the capital of Guangdong province, it is the administrative and academic center of the province. It is also the major city in the Pearl River Delta, the richest agricultural region in China. Guangzhou is easily accessible via air, train, highway, or waterway. It is about 30 minutes flight or 2 hours drive from Hong Kong. State of the art computing and audiovisual equipment will be available to support presentations and software demonstrations. Further travel to Beijing to attend the International Cartographic Association conference is possible by train (about \$100) and plane (about \$150).

### **About South China Normal University**

One of the major national universities in China, the university offers a wide range of academic programs at both undergraduate and graduate levels. The Geography Department has a large group of faculty in physical and economic geography and has a rapidly growing group in geographic information science.

### **About the Guangdong Academy of Sciences**

The academy is the research entity of the Guangdong Province and consists of many research institutes that have full time research and administrative personnel. The academy carries out basic research as well as applied projects. The academy has a large campus in downtown Guangzhou and well-equipped conference facilities.

**ICC 2001**

This workshop functions as a pre-conference event to the 20<sup>th</sup> International Cartographic Conference 2001 (ICC 2001) in Beijing, to be held on 6-10 August 2000. The three-day gap between the two events should allow those wishing to participate in the ICC to easily travel to Beijing. Train tickets between Beijing and Guangzhou are approximately \$100 and includes sleeping arrangements. An airline ticket is about \$150 (one way). A post-ICC 7-day conference tour returns to Guangzhou via the historic cities of Xi'an and Guilin. Information on the ICC 2001 can be viewed at <http://www.sbsm.gov.cn/icc2001/>.

**Cost**

A small workshop participation fee will be charged by the organizers in Guangzhou - \$50 for attendees, \$20 for presenters.

**Resulting Publication**

Working papers will appear on the Commissions home page at <http://maps.unomaha.edu/ica/>. Participants are encouraged to submit final papers to scientific journals and, depending on the number of submissions, an edited volume of papers may be published in book form.

**Call for Abstracts**

Participants will be selected from responses to this Call for Participation. If you wish to participate in the workshop please submit a 300 word abstract BY 28 FEBRUARY 2001 to [Michael\\_Peterson@unomaha.edu](mailto:Michael_Peterson@unomaha.edu). The abstracts should be no longer than 300 words in length and indicate whether you plan to submit a working paper or present a live demonstration. Include title, complete address information for all authors, e-mail address and abstract within an e-mail message. Notification of acceptance will be sent out by 31 MARCH 2001. The selected participants will then also receive more detailed information on the particulars of the workshop and local arrangements (accommodation, etc.).

**Working Papers**

If you wish to participate in a paper session of the workshop, you will be asked to submit the following material BY 30 MAY 2001 to a member of the Program Committee:

- a PDF document containing your working paper (4000-5000 words), including:
- a BRIEF biographical sketch of for the author(s)
- COMPLETE address information for all authors, including fax, e-mail, and homepage, if available

**Live Demonstrations**

If you would like to present a live demonstration of an Internet map or spatial data distribution product, provide information on platform and audiovisual equipment requirements BY 30 MAY 2001.

**Inquiries and Paper Submissions**

Michael Peterson  
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Omaha, NE 68182 USA  
FAX: +402 554-3518  
TEL: +402 554-4805

[Michael\\_Peterson@unomaha.edu](mailto:Michael_Peterson@unomaha.edu) (EMAIL PREFERRED)

**Deadlines and Dates**

- 28 February 2001 – DEADLINE FOR SUBMISSION OF ABSTRACTS
- 31 March 2001 – Notification of acceptance; preliminary workshop program; additional workshop information
- 31 May 2001 – Revised working papers due; uploaded to Commission website
- 31 July - 2 August 2001 – Workshop on Maps and the Internet, South China Normal University, Guangzhou, China
- 6-10 August 2001 – 20th International Cartographic Conference, Beijing

**Program Committee**

- Guobin Chi, Geography Department, South China Normal University, China
- Corn van Elzakker, ITC Division of Geoinformatics, The Netherlands
- Georg Gartner, Cartography Institute, Technical University of Vienna, Austria
- Bin Li, Department of Geography, Central Michigan University, USA
- Yan Li, Institute of Geography, Guangdong Academy of Sciences, China
- Michael Peterson, Geography/Geology, Nebraska-Omaha, USA

**Honors Competition for Student Papers**

*Aileen Buckley*

The Cartography Specialty Group will once again sponsor the annual Honors Competition for Student Papers on cartographic topics to be presented at the Annual Meeting of the AAG in New York, February 27-March 3, 2001. The competition is open to students at all academic levels who are presenting papers on original work relevant to the field of cartography and current cartographic research. These papers are based upon work done as an undergraduate or graduate student, and the research must have been completed within the past academic year, but the topics are not restricted to work derived from theses or dissertations. Congratulations go to the following students who have been selected to participate in this year's competition!

- Erik B. Steiner, Department of Geography, The Pennsylvania State University, University Park,

- PA 16902. "Region Representation and Cognitive Distance Distortion."
- James B. Herrington, Department of Geography, Virginia Tech, Blacksburg, VA 24060. "The Use of Animated Maps in the Classroom."
- Isaac Brewer, Department of Geography, GeoVISTA Center, The Pennsylvania State University, University Park, PA 16802. "The Design and Implementation of Temporal, Spatial, and Attribute Query Tools for Geovisualization."
- Amy L. Griffin, Department of Geography, GeoVISTA Center, The Pennsylvania State University, State College, PA 16801. "Feeling It Out: The Use of Haptic Visualization for Exploratory Geographic Analysis."

Prior to the meeting, students will be submitting to the judging committee a written version of the papers they will be presenting in New York. Judging will take into account the academic level of the entrants, and both the written and the oral version of the papers.

This is a wonderful reflection of the achievements of these students, and it is a great opportunity for them to showcase their hard work. I hope that many of you will be able to come hear their presentations in New York!

### **Master's Thesis Research Grant Award**

The Cartography Specialty Group of the Association of American Geographers is pleased to announce the 2000-2001 Master's Thesis Research Grants. These grants are available to master's students working on cartographic research and who are enrolled in a geography degree program. Grants are available up to a maximum of \$300 and may be used for items necessary and relevant to research such as travel, materials, equipment, and human subject fees. Deadlines for applications are October 15th, March 15th, and June 15th.

#### ***Fundable Research***

Fundable research must be cartographic in nature. Cartography must be the central focus of the research, and not merely a tool used in support of some other research.

#### ***Review of Proposals***

Research proposals will be judged based upon (1) their originality, (2) their research design or plan of work, and (3) their budget and its justification. Proposals are reviewed in a non-blind process by a committee of three people selected by the Non-Academic Director in consultation with the CSG Chair.

#### ***Date of Awards***

Awards will be made two months after the review date for which the proposal was submitted.

#### ***Application Form Required for Submission***

An application form may be obtained from the Non-Academic Director. Fill the form out completely. Note that the applicant and the advisor are jointly responsible for the accuracy and validity of all information on the application. Be sure to complete the budget and justification on the back of the application form. List the requested items from highest to lowest priority and include price quotations for these items. Below, provide a brief justification of why the items you are requesting are necessary to your thesis. Finally, state whether you will accept partial funding should the entire amount requested not be granted.

#### ***Description of the Research Plan***

A description of your research plan is also required. Place your name and the title of your thesis at the top of the first page. State the research objectives and the specific aims of the research. Describe concisely the methods for achieving these goals. The research plan should not exceed three pages. Please note that human subject clearance must be obtained before grant money can be awarded, if the research involves human subjects.

All applications must be typewritten or completed on a word processor. Incomplete applications will not be considered. Applications must be received by the deadline in order to be considered for funding. Submit the original signed application form and research plan, along with two copies, to:

Lawrence Handley  
U.S. Geological Survey  
National Wetlands Research Center  
700 Cajundome Blvd  
Lafayette, LA 70506

### **Preliminary List of CSG Sponsored Sessions for 2001 Meeting in NYC**

#### ***February 28 - Morning***

HISTORY of CARTOGRAPHY IN THE 20th CENTURY: Instances and Issues (1) – Organizer: Mark Monmonier <[Mon2ier@maxwell.syr.edu](mailto:Mon2ier@maxwell.syr.edu)>

"Overview of the session and introductions" Mark Monmonier, Syracuse University

"From Rails to Trails: American Tourist Mapping in Transition" James Akerman, Hermon Donlap Smith Center for the History of Cartography

"Experimental Cartographic Design Research in the 20th Century: Using Psychological Theories and Methods to Make Better Maps" Dan Montello, UCSanta Barbara

- "Innovation and Stagnation: the Adoption of Air Survey Techniques in the British Empire, 1918-1939" Peter Collier, Univ of Portsmouth, UK
- "Aerial Photography at the Agricultural Adjustment Administration: Aerial Control, Conservation Inducement and Overhead Surveillance in the 1930s" Mark Monmonier, Syracuse University

HISTORY of CARTOGRAPHY IN THE 20th CENTURY: Instances and Issues (2) – Organizer: Mark Monmonier <[Mon2ier@maxwell.syr.edu](mailto:Mon2ier@maxwell.syr.edu)>

- "Sketching Rationalization: Cartographers and Automation at the US Geological Survey" Patrick McHaffie, DePaul University
- "Twentieth Century American Academic Cartography" Robert McMaster, University of Minnesota and Susanna McMaster, Macalester College
- "Eight Steps in the Post-War History of Geographic Information Science" John Cloud, US Santa Barbara
- "Summary and Comments" David Woodward, History of Cartography Project, UW-Madison

#### **February 28 - Afternoon**

ATLAS CARTOGRAPHY – Organizer: Trudy Suchan ([trudy.a.suchan@census.gov](mailto:trudy.a.suchan@census.gov)) or (301-457-2419).

James Meacham and Erin Aigner  
Jean McKendry  
Cheryl Northon  
Richard Wright, Paul Ganster, Harry Johnson  
Cynthia Brewer and Trudy Suchan

INTERROGATING TOURISM MAPS – Organizer: Stephen Hanna, Mary Washington College

Stephen Hanna  
Mary Curran  
Karen Jill  
Dydia DeLyser  
Vincent Del Casino

CONSTRUCTING PLACE IDENTITY AND MEANING: CRITICAL PERSPECTIVES ON COMMUNITY MAPPING (Panel discussion) – Organizer: Pete Kellor 250 721 7333 [pkeller@uvic.ca](mailto:pkeller@uvic.ca) (CSG is second sponsor)

Laxmi Ramasubramanian, UW-Madison  
Will Craig, Univ Minnesota  
Renee Sieber, McGill Univ  
Emily Talen, Univ Illinois Urbana Champaign  
Trevor Harris, West Virginia Univ  
Nancey Obermeyer, Univ of Victoria  
Peter Kellor, Univ of Victoria

#### **March 1 - Morning**

VISUALIZATION 1: Applications and Issues – Organizer: Scott White <[white\\_s@fortlewis.edu](mailto:white_s@fortlewis.edu)> and R. Maxwell Beavers <[RMBeave@unco.edu](mailto:RMBeave@unco.edu)>

- "Visualizing Change: Dynamic Temporal Aggregation and Temporal Filtering" Mark Harrower
- "Using GIS and Visualization Techniques to Optimize Location Management for a Regional Film Production Market" Chris Lukinbeal
- "Ranchettes on the High Plains: Visualizing Residential Transformation of Agricultural Landscapes in Weld County, Colorado" Robert Maxwell Beavers and Charles Collins
- "Challenges in Geographic Visualization" Aileen Buckley
- "Visualization in GIS: The Digital Leap Backwards" Robert Aguirre

VISUALIZATION 2: SPATIALIZATION – Organizer: Sara Fabrikant and Andre Skupin <[askupin@uno.edu](mailto:askupin@uno.edu)> (co-sponsored by the GIS specialty group)

- "Cartographic Design for Map-Like Visualization of Information" Andre Skupin
- "Regionalization and Scale-Dependence in Semantic Information Spaces" Sara Fabrikant
- "Spatialization and Spatial Metaphors in Social Science" Heiri Leuthold and Michael Herrmann
- "Spatialization for Accessing Geospatial Images" Chris Badurek

#### **March 1 - Afternoon**

VISUALIZATION 3: COGNITIVE ISSUES in GEOGRAPHIC VISUALIZATION 1 – Organizer: Sara Fabrikant and Scott Bell <[bell@geog.ucsb.edu](mailto:bell@geog.ucsb.edu)>

- "Self-Organized Cognitive Maps and Map Projections" Robert Lloyd
- "How Geographic Uncertainty Information Affects Decision-Making" Alex Keuper and Dan Montello
- "Mental Models of Large-Scale Information as Learned from Route Following" Scott Bell
- "The Relationship between Adolescent Cognitive and Cartographic Map Skills" Janet Smith
- "Discussant" Dan Montello

VISUALIZATION 4: COGNITIVE ISSUES in GEOGRAPHIC VISUALIZATION 2 – Organizer: Sara Fabrikant and Scott Bell <[bell@geog.ucsb.edu](mailto:bell@geog.ucsb.edu)>

- "Visualizing Campus' from 2D and 3D Maps" Scott Freundschuh and Cathryn Campbell

- "Learning in Desktop and Immersive Virtual Environments" Anthony Richardson  
 "Visualizing Geographic Information in Multimodal Computer Interfaces" R. Danial Jacobson  
 "Assessing Geovisualization Effectiveness: a Paradox and Approach" Robert Edsall  
 "Discussant" Dan Montello

QUALITATIVE METHODS AND GEOGRAPHIC INFORMATION SCIENCE – Organizer: Dan Haug <[haug@geog.psu.edu](mailto:haug@geog.psu.edu)> and LaDona Knigge <[lknigge@acsu.buffalo.edu](mailto:lknigge@acsu.buffalo.edu)> (jointly sponsored by the Qualitative Methods, Cartography, and GIS SGs may have to fit many schedules)

Harvey  
 Ryavec  
 O'Connell and Kellor  
 Knigge  
 Haug

### **March 2 - Morning**

MAPS AND THE INTERNET (1) – Organizer: Rex Cammack <[rexcammack@mail.smsu.edu](mailto:rexcammack@mail.smsu.edu)> and Michael Peterson (w/ Web specialty)

Michael Peterson  
 Robert Cromley  
 Rex Cammack  
 Matt McGranaghan  
 Peter VanDemark

MAPS AND THE INTERNET (2) – Organizer: Rex Cammack <[rexcammack@mail.smsu.edu](mailto:rexcammack@mail.smsu.edu)> and Michael Peterson (w/ Web specialty)

Linda Barret  
 Timothy Trainer  
 Jay Donnelly  
 William Cartwright

### **March 2 - Afternoon**

MAPS AND THE INTERNET: SHOULD CARTOGRAPHY ABANDON PAPER? (panel) – Organizer: Rex Cammack <[rexcammack@mail.smsu.edu](mailto:rexcammack@mail.smsu.edu)> and Michael Peterson

Michael Peterson  
 Timothy Trainer  
 Jeremy Crampton  
 Matt McGranaghan  
 William Cartwright  
 Rex Cammack

There is also a session dealing with the National Geographic Society in which David Miller ([dmiller@ngs.org](mailto:dmiller@ngs.org) or 202/775-7841) will address the evolution of mapmaking and innovation of map products at National Geographic.

## **Calendar**

**February 19-22, 2001.** GIS 2001 Annual Conference and Exhibition. Vancouver, British Columbia.  
<http://www.GIS2001.com>

**February 27 - March 3, 2001.** Association of American Geographers Annual Meeting. New York, New York.  
<http://www.aag.org/>

**March 4-7, 2001.** Geospatial Information and Technology Association Annual Conference 2001. San Diego, California.  
<http://www.gita.org>

**March 17-21, 2001.** American Congress on Surveying and Mapping Annual Conference and Exposition. Las Vegas, Nevada.  
<http://www.survmap.org/spring01.html>

**July 9-13, 2001.** ESRI International User Conference. San Diego, California.  
<http://www.esri.com/events/uc>

**July 9-August 10, 2001.** Popular Cartography and Society: A Summer Institute in the History of Cartography. Chicago, Illinois. For information email Susan Hanf at [hanfs@newberry.org](mailto:hanfs@newberry.org)

**July 31-August 2, 2001.** Workshop on Maps and the Internet in Guangzhou, China, preceding the 20th International Cartographic Conference in Beijing 2001. For information email Michael Peterson at [Michael\\_Peterson@unomaha.edu](mailto:Michael_Peterson@unomaha.edu)

**August 6-10, 2001.** International Cartographic Association Annual Meeting. Beijing, China.  
<http://www.sbsm.gov.cn/icc2001/>

**September 19-23, 2001.** Conference on Spatial Information Theory. Morro Bay, California.  
<http://www.geog.ucsb.edu/cosit01/>

**October 3-6, 2001.** North American Cartographic Information Society Annual Meeting. Portland, Oregon.  
<http://www.nacis.org/meetings.html>

## Newsletter Deadline

Submission of items for the CSG newsletter must be received by April 30th for the Spring issue. Please send your articles to:

Max Beavers  
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University of Northern Colorado  
Greeley, CO 80639  
[RMBeave@unco.edu](mailto:RMBeave@unco.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)

## 2000-2001 CSG Officers

### *Chair (2000-2001)*

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### *Vice Chair (2000-2001)*

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### *Secretary/Treasurer (2000-2002)*

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### *Non-Academic Director (1999-2001)*

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National Wetlands Research Center  
700 Cajundome Blvd  
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[larry\\_handley@usgs.gov](mailto:larry_handley@usgs.gov)

### *Student Director (2000-2001)*

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### *Past Chair (2000-2001)*

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### *Newsletter Editor*

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