



CARTOGRAPHY SPECIALTY GROUP

Volume 20, Number 4

Fall 2000

Words from the Chair

James Lowry

Every month and a half, or so, when my student workers Serena and Amy begin to poke fun at me because of my “shaggy” hair I break down and go in for a haircut. Over the years I think I may well have developed a subconscious trepidation concerning the barber. The reason is very simple in that I get the double dose of ignorance from the barber/hairstylist (and others) that most of the remainder of you receive (because my department is both cartography and geography). The typical dialogue at the barber, in line at the grocery store, in a restaurant, etc., is:

<Barber> So where do you work?

<Me> I teach at the university.

<Barber> Really? That’s great. What department?

<Me> (reluctantly) Cartography and Geography.

<Barber> Well, I know geography is all about state capitals and stuff like that, but what’s cartography?

<Me> (to myself) Oh God, here we go again. I should have said I’m a used car salesman, this is getting old.

<Me> (to the barber) Well, cartography is the art and science of the construction and study of maps....

<Barber> Oh, I like maps, but....(and we’re off into a discussion of how he loves maps, especially road maps).

<Me> (interrupting) So you were the Ada Evening News’s “Ada’s Favorite Barber” from 1996 through 1999?

<Barber> (forgetting all about maps) Yes, as a matter of fact I was also....

We’ve all suffered from the ignorance of other people *vis-à-vis* geography, but I (and my colleagues here at ECU) receive the double whammy with the addition of cartography. So what do I (we) do about it? Well, I, for one, grumble a bit under my breath, and go on to explain

cartography. I’ve yet to find a person who didn’t know exactly what I meant when I offered my art and science of map study and construction explanation. The ignorance seems to center on the word “cartography” itself.

Yet another “problem” with cartography, in the minds of others, is that what we do as cartographers has evolved to the point that the word no longer fully describes what we do. Hence the desire to “enhance” the name of the CSG to “Cartography and Visualization Specialty Group.” If we were to take this logic a step further we could just change the name to the “Communication Specialty Group,” as both cartography and visualization are nothing more than modes of communication. However, at that point we disappear into another discipline. Maybe “Geo-communication Specialty Group” would work, but then so many of the other specialty groups deal with communication as well. The fact is the map, or any other visual technique used by a geographer to display spatial information, is **the** primary communicative tool of the geographer. I suppose this comes down to just how far some of us are willing to allow the definition of “cartography” to evolve before we think we need to invent a new (and better?) term.

As geographers we’ve been debating who and what we are for what seems forever. The fact that we are all geographers means something to us. However, the fact that we feel the need to divide ourselves into the 54 current specialty groups also means something. Fifty-four is no magical number, it’s simply the current number. Should cartography be one of the 54? Yes! Are there other geo-techniques on par with cartography that should be among the 54 as well? Of course (GIS and remote sensing come immediately to mind). Should the Cartography Specialty Group change its name to incorporate the newest craze?

As a department we discussed this several years ago and toyed with the idea of changing the name of our major and department, but decided there simply is no better word to describe "cartography" than "cartography." I know Charles Rader's department at Wisconsin-River Falls had the same discussion and settled on "mapping sciences," and I'm sure some others of you may have as well. However, I see no reason to dispatch such a time-honored word because the masses don't know it and because the discipline is evolving (I guess I'm a nasty "traditionalist" in that I see no reason to follow the newest fad as we'll always come back to the same place—cartography). If what cartographers do is evolving, then isn't what we are doing still "cartography?"

Our Past-Chair, Charles Rader, appointed a committee at the Pittsburgh meeting to address this issue and, finally, bring it to a vote of the members. Charles is the Chair, with Matt McGranaghan, our current Vice-Chair, and me as the other members. Thus far I have not heard a word from anybody other than the few Board members who proposed the change (the same experience Charles had last year as Chair). Does anybody else out there think this is an issue? If you have feelings on this either way, please feel free to get in touch with any, or all, of us. I may personally be opposed to a name change, but I will go along with the wishes of the membership. I only hope that I NEVER have to get involved in a discussion with my barber about visualization (OK, so I know I won't because we'll not be changing the name of the department, but I hope you get my point). Of course, that would put an end to the occasional phone call from students interested in enrolling in elements of cartography who want to know if they need their own camera for the course.....

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

Call for Nominations, 2001 - 2002

The 2001-2002 Cartography Specialty Group Nominations Committee requests nominees for the following offices up for election:

Vice Chair (2001-2002)
Academic Director (2001-2003)
Non-Academic Director (2001-2003)
Student Director (2001-2002)

Continuing officers for the coming year include Elisabeth Nelson, Secretary-Treasurer (through 2002), Jeff Torguson, Academic Director (through 2002), Matt

McGranahan, who will become the new Chair, and James Lowry, who will become the Past Chair.

Please contact Charles Rader by December 1, 2000 to suggest possible candidates:

Charles Rader
Department of Geography
University of Wisconsin - River Falls
410 South 3rd Street
River Falls, Wisconsin 54022-5001
charles.p.rader@uwrf.edu

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!

National Geographic Society Cartography Award

Jeff Torguson

Please encourage your cartography students (both undergraduate and master's degree candidates) to consider applying for the 20th annual National Geographic Award in cartography. As stated on the NGS web site (<http://www.nationalgeographic.com/maps/caward/index.html>), "this award recognizes student achievement in the art, science, and technology of mapping and seeks to encourage student research."

In addition to the honor and recognition that earning this award will bring the student, the winner(s) will receive \$1,200 a National Geographic Atlas of the World, and a certificate. We will be announcing the winners at the AAG meeting in New York.

Each application should include the following (sent in **one** envelope or package):

1. A statement of how this award would help you with your educational plans: Please type this on one sheet of paper, and include your name, address, phone number, social security number, and your cartography/GIS instructor's name.
2. An example and a brief description of a recent map or mapping project that you have done: Maps done in both 2000 and 2001 are eligible. Note that year 2000 winner's projects are posted on the web site.
3. Copies of your transcripts (official or unofficial)

Send the completed package to (must be postmarked by **January 19, 2001**):

Jeffrey S. Torguson, PhD
CSG Academic Director
720 Fourth Avenue South
Stewart Hall 359
Department of Geography
St. Cloud State University

St. Cloud, MN 56301-4498
jtorguson@stcloudstate.edu

If you have questions about the contest you should contact David Miller at National Geographic Maps (dmiller@ngs.org). Note that current National Geographic Society interns are not eligible for this award.

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

Recent Releases of USGS Maps

Joseph Kerski

The USGS has recently released a variety of excellent maps in the past 6 months:

US 5683	Indian Lands in the United States
AA0248-0255	8 Thematic maps of East Asia at 1:2,500,000
US5664	National Wild and Scenic Rivers System
I-2750-A	3-D Image of Urban Areas and Mountains of the Northern Front Range, Colorado.
I-2737	Earthquakes In and Near the Northeastern United States, 1638-1998.
I-2639	Historic Trail Map Of The Denver 1X2 degree Quadrangle, Central Colorado.
WRIR00-4046	Bathymetry and Selected Perspective Views of Sea Floor North & West of Maui, Hawaii.
T2301SADRIATIC	Adriatic Sea Regional Briefing Chart.
TNV2600	Nellis Air Force Base Range Chart.
I-2688	Geologic Map of the Grand Canyon, including photographs.
I2720T	Tapestry of Time and Terrain - Map of the USA depicting shaded relief with ages of surficial geology.

To order these maps, call 1-888-ASK-USGS or visit www.usgs.gov, or write:

USGS Information Services, Map Distribution
Box 25286
Denver Federal Center
Denver, CO 80225

Map prices are \$7.00. There is also a \$5.00 handling fee per order.

2000 North American Cartographic Information Society Annual Meeting

This fall's twentieth annual meeting of NACIS in Knoxville featured a record number of presentations and included a pre-conference symposium on "Maps and the Internet" (organized by Michael Peterson of the University of Nebraska, Omaha). The opening speaker was Allen Carrol, Chief Cartographer of the National Geographic Society, who discussed the NGS Map Machine (<http://www.nationalgeographic.com/maps/>).

Preliminary List of CSG Sponsored Sessions for 2001 Meeting in NYC

Matt McGranaghan

Here is current information on CSG sponsored sessions for the 2001 meeting in NYC. The schedule of the sessions is not set firmly – this is the working list provided via fax.

February 28 - Morning

HISTORY of CARTOGRAPHY IN THE 20th CENTURY: Instances and Issues (1)

Organizer: Mark Monmonier

<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: Acreage 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>

"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) 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
(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>
and R. Maxwell Beavers <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>

(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>

"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>

"Visualizing Campus' from 2D and 3D Maps"

Scott Freunds Schuh 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
and Approach"

Robert Edsall

"Discussant" Dan Montello

QUALITATIVE METHODS AND GEOGRAPHIC
INFORMATION SCIENCE

Organizer: Dan Haug (haug@geog.psu.edu) and
LaDona Knigge (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> 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> 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> 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 or 202/775-7841) will address the
evolution of mapmaking and innovation of map products
at National Geographic.

Calendar

December 1-6, 2000. Practical Applications in the
Geospatial Information Sciences. Rhode Island
Convention Center / Westin Providence, Providence,
Rhode Island.
<http://www.asprs.org/providence/index.html>

January 25-27, 2001. Workshop in Landscape Change.
Santa Barbara, California.
<http://www.ncgia.ucsb.edu/landscape/landscape.htm>

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

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

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 January 31st for the winter issue. Please send your articles to:

Max Beavers
Department of Geography
University of Northern Colorado
Greeley, CO 80639
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 Kevin Klug, Director of Membership, AAG, 1710 Sixteenth Street, NW, Washington, DC 20009-3198

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