



CARTOGRAPHY SPECIALTY GROUP

Volume 22, Number 1

Winter 2002

Words from the Chair

Matt McGranaghan

Aloha.

These will be my last *Words From the Chair*. I'd like to use the opportunity to thank Max for driving things along with the Newsletter, the Board for their contributions this year, particularly Rex for putting together an interesting program for the meetings this year, and the membership for their patience as we've discussed issues that now seem to require a paper ballot for closure.

My current understanding is that we still need to have a physical ballot to vote on two issues: (1) a proposed name change for the SG and (2) the ability for the SG to conduct business (i.e., vote) via email. We missed the opportunity to include these questions on the physical ballot for officers that you should have received recently. I am still seeking guidance as to whether these issues can be dispatched at the SG's business meeting (on Wednesday) during the association's annual meetings in LA. If not, there will be another mailed ballot for these questions shortly.

In closing, I offer thanks to you all for your contributions in making the Cartography Specialty Group what it is. I look forward to seeing you in LA.

Matt
matt@hawaii.edu

Matt McGranaghan, Cartography Specialty Group Chair
Associate Professor
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University of Hawai'i at Manoa

CSG Annual Business Meeting in LA

The annual **CSG Business Meeting** has been scheduled for **Wednesday, March 20th, 7:00 pm to 8:00 pm** as part of the annual meeting of the Association of American Geographers in Los Angeles, CA. 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.

New Maps from the USGS

Joseph Kerski

Two new shaded relief maps for the State of Colorado and the state of Utah are now available from the USGS. Produced from the National Elevation Dataset (NED), both a color version and a black and white version have been printed. These are quite impressive and useful for teaching about landforms, watersheds, population, and more. The NED is a new raster product of the USGS, designed to provide national elevation data in a seamless form with a consistent datum, elevation unit, and projection. In the NED assembly process, the elevation values were converted to decimal meters and recast in a geographic projection on the 1983 North American Datum.

- ▶ "Colorado" Color Shaded Relief
Stock number: 112162
- ▶ "Colorado" Black and White Shaded Relief
Stock number: 112163
- ▶ "Utah" Color Shaded Relief
Stock number: 112461
- ▶ "Utah" Black and White Shaded Relief
Stock number: 112462

These maps are the standard \$7 for each map plus \$5 shipping per order. To order, call 1-888-ASK-USGS or 303-202-4700, or visit <http://ask.usgs.gov>.

Master's Thesis Research Grants Call for Applications

Trudy Suchan

March 15 is the next application deadline for the CSG's Master's Thesis Research Grant Program. If you need to plan a little further ahead, the next deadline is June 15. 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; your best bet is email communication for initial contact). The student also will submit a three-page description of the research plan and human-subjects clearance (if the research involves human subjects) must be obtained before grant money can be awarded. Three people review each proposal.

For more details on the program, go to <http://www.csun.edu/~hfgeg003/csg/master.html>.

Trudy Suchan
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Annual Meeting and Workshop ICA Commission on Maps and the Internet

Michael Peterson

The ICA Commission on Maps and the Internet announces a workshop preceding the 4th annual "Web.Mapping" Symposium in Karlsruhe, Germany September 24 - September 25, 2002. The Workshop is sponsored by the International Cartographic Association's Commission on Maps and the Internet, and the Karlsruhe University of Applied Sciences. The workshop is itself preceded by a conference on Location-based Services and Mobile Mapping in Bremen, Germany, that takes place on Sept. 17-19. 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

- ▶ APRIL 30, 2002 – Abstracts Due (300 words)
- ▶ MAY 31, 2002 – Notification of Acceptance

- ▶ JULY 31, 2002 – Working Papers due for Paper Sessions
- ▶ SEPT 17-19, 2002 – Pre-Meeting Congress on Business Geomatics and Mobile Mapping in Bremen, Germany
- ▶ SEPT 24-25, 2002 – Maps and the Internet Workshop in Karlsruhe, Germany
- ▶ SEPT 26-27, 2002 – Post-Workshop Congress on Web.Mapping in Karlsruhe, Germany

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. Contact Georg Gartner at gartner@tuwien.ac.at for more details.

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

National Geographic Receives British Awards

David Miller

The "MARS REVEALED" map and web site (at <http://www.nationalgeographic.com/maps>) won the 2001 John Bartholomew Award from the British Cartographic Society (BCS). The award includes a silver salver with "NATIONAL GEOGRAPHIC MAPS" engraved on it. The salver and framed Mars map will be displayed at the U.S. Embassy in London until September 2002.

"UTAH: Seamless USGS Topographic Maps on CD-ROM" was awarded the 2001 BCS Ordnance Survey Award for Innovation in the Design and Presentation of Spatial Data. Judges liked the "playability" of the software which allows users to generate an elevation profile of their route and to produce customized maps. For more information please go to <http://maps.nationalgeographic.com/topo/>.

National Geographic and BCS presented two British students with awards. Laura Stewart, University of Edinburgh, and Jonathan Poulton, Oxford Brookes

University, received cash awards and atlases for "outstanding achievement in cartography." Website <http://www.nationalgeographic.com/maps/caward>.

Please let me know if you have any questions or comments. Thank you.

David Miller
Senior Editor National Geographic Maps
202/775-7841

The 2002 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, 2002 and sent to John Docktor, Ristow Prize, 150 S. Strathcona Drive, York PA 17403-3833, 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 \$500, 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 John Docktor at the above address or at jdocktor@cyberia.com. For information about the *Washington Map Society* contact Stacy Hoppen (stacyhoppen@hotmail.com), Membership Chair, P.O. Box 15530, Washington, DC 20003, USA; or <http://www.washmap.org>.

Preliminary List of CSG Sponsored Sessions for 2002 Meeting in Los Angeles

Visualization I: Applications and Issues

Wednesday, March 20, 8:00-9:40 am

Organizers: Robert Maxwell Beavers, Scott White
Chair: Robert Maxwell Beavers

- ▶ Alex D Keuper, "Geographic Uncertainty Information and Decision-Making"
- ▶ Trudy A Suchan, "Usability Studies of Geovisualization Software in the Workplace"
- ▶ Tao Tang, "Spatial Correlation of Limestone Pinnacle with Geological Fracture and Joint in Stone Forest Park, China"
- ▶ Colleen Garrity, "An Exploration of Monsoonal Lightning Strikes through Geovisualization"

Visualization II - Spatialization Theory and Methods

Wednesday, March 20, 10:00-11:40 am

Organizers: Andre Skupin, Sara Irina Fabrikant
Chair: Andre Skupin

- ▶ Masahiro Takatsuka, "Exploratory analysis of demographic data using the Self-Organizing Map and 3-D visualization tools"
- ▶ Andre Skupin, "A Geographic Interpretation of the Self-Organizing Map"
- ▶ Bruce Rex, "The Starlight Approach to Text Spatialization for Visualization"
- ▶ Sara Irina Fabrikant, "Empirical Approaches to Semi-Immersive Spatialization Designs"
- ▶ Ferjan Ormeling, "Fantasy maps as sources for geographic notions"

Visualization III - Spatialization and GeovisualizationWednesday, March 20, 1:00-2:40 pm*Organizers:* Andre Skupin, Sara Irina Fabrikant*Chair:* Sara Irina Fabrikant

- ▶ Dan Haug, "Interactive Spatialized Visualization of Hierarchical Clustering"
- ▶ Christopher A Badurek, "Spatialized User Interfaces for Geospatial Image Collections."
- ▶ Etien Luc Koua, "Self-Organizing Maps in Geospatial Information Visualisation"
- ▶ Kevin J Konty, "The Role of Visualization and Spatialization in Understanding Multiregional Population Projections and Their Underlying Models."

Visualization IV: Illustrated Paper SessionWednesday, March 20, 3:00-4:40 pm*Organizers:* Robert Maxwell Beavers, Scott White*Chair:* Scott M Bell

- ▶ Robert Maxwell Beavers, "An Animated Look at Broad Scale Demographic Trends in Metropolitan Birmingham, Alabama from 1960 to 2000"
- ▶ Scott M Bell, "Scale and Cognition"
- ▶ Timothy L Nyerges, "Linked Visualizations in Support of Sustainability Modeling"
- ▶ Lin Wu, "Climatic Data Visualization in GIS Environment"
- ▶ Pragya Agarwal, "Representation and Visualisation of historicity in Urban Landscapes"
- ▶ Nicholas R Chrisman, "Recognizing the Role of Culture: Where the ontology movement in GIS gets lost"
- ▶ Teresa Howard, "Visualization for Non-Geographers: Looking for Urban Heat Islands"

The Status of Cartography Education in the USWednesday, March 20, 3:00-4:40 pm*Organizers:* James D Lowry, Dennis Fitzsimons*Chairs:* James D Lowry, Dennis Fitzsimons

Panelists:

- Judith A. Tyner
- Kathryn F Thorne
- Carol A Gersmehl
- Rex G Cammack
- Ute J. Dymon
- Dennis Fitzsimons

Past Time, Past Place: GIS for History 1Thursday, March 21, 8:00-9:40 am*Organizer:* Anne K. Knowles*Chair:* Trevor M Harris

- ▶ Benjamin C. Ray, "Mapping the Salem Witch Trials"
- ▶ James D Harlan, "Missouri's Lewis and Clark Landscape"
- ▶ Aaron C. Sheehan-dean, "New Approaches, New Insights: Historical GIS in the Valley of the Shadow"
- ▶ Amy Hillier, "Searching for Red Lines: An Empirical Investigation of Mortgage Discrimination in Philadelphia, 1930-1950"

- ▶ David Rumsey, Meredith Jean Williams, "Using Historical Maps In GIS"

Past Time, Past Place: GIS for History 2Thursday, March 21, 10:00-11:40 am*Organizer:* Anne K. Knowles*Chair:* Lewis R Lancaster

- ▶ David J. Bodenhamer, "North American Religion Atlas: Creating an interactive atlas using time-enabled spatial Internet technology"
- ▶ Tom Elliott, "Pleiades: a digital collaborative workspace for ancient geography"
- ▶ Andrew A Beveridge, "Exploring the US Past: The National Historical Geographical Information System (NHGIS), Prospects and Examples"
- ▶ Ian N Gregory, "The Great Britain Historical GIS: Distorting the past to understand demographic change."
- ▶ Anne K. Knowles, "Through the Looking Glass: Is GIS Changing History?"

Popular Cartography and Society: 18th and 19th Century PerspectivesThursday, March 21, 1:00-2:40 pm*Organizers:* Christina E. Dando, James R Akerman*Chair:* Christina E. Dando

- ▶ Andrea R Foroughi, "Magnifying and Masking Others' Presence Through Colonial North American Maps"
- ▶ Christine M Petto, "A Taste for Maps: Map Promotion in early modern Europe"
- ▶ Karen A Mulcahy, "Consistency and Chaos: Projections and Meridians in 19th Century American Atlases"
- ▶ Jordana Dym, "'More calculated to mislead than inform': Travel Writers' Maps of Nineteenth-Century Central America"

Discussant: David Woodward**Popular Cartography and Society: 20th Century Roadscapes and Cityscapes**Thursday, March 21, 3:00-4:40 pm*Organizers:* Christina E. Dando, James R Akerman*Chair:* Daniel R. Block

- ▶ Daniel R. Block, "Corn and Skyscrapers: Deconstructing Images of Iowa on Official State Highway Maps, 1930-2001"
- ▶ Christina E. Dando, "'Going Places?': Gender and Map Use on 20th Century Road Maps"
- ▶ Joann Conrad, "Mapping Californialand"
- ▶ Michael E Crutcher, "Mapping New Orleans'paradoxical tourist landscape: preservation, parades, and public housing"

Discussant: James R Akerman

Popular Cartography and Society: Applications to Teaching Geography and History

Thursday, March 21, 5:00-6:40 pm

Organizers: Christina E. Dando, James R Akerman

Chair: James R Akerman

Panelists: Christina E. Dando
Karen M. Trifonoff
Jackie S Fenno
Andrea R Foroughi
Karen A Mulcahy
Jordana Dym

Cartography, GIS, and Remote Sensing Specialty Groups Illustrated Paper Student Competition

Friday, March 22, 8:00-9:40 am

Organizers: Ludmila M Moskal, Bridget J Beesley

Chairs: Ludmila M Moskal, Bridget J Beesley

- ▶Damion Brook Kintz, "Landuse / Landcover Change Detection in the Buffer Zone of a National Park in Northern Peru"
- ▶Chris G Mcphilamy, "Emergency Management Geographic Information Systems (EMGIS) "
- ▶Kevin L. Alicia, "Examining Phenology and Spectral Response to Identify Crops in The Sandusky Watershed of Northern Ohio"
- ▶Zhixiao Xie, "Representing geographical image contents for content-based image retrieval by fusing the continuity and discontinuity information"
- ▶Ludmila M Moskal, "Relationships between leaf area index of defoliated aspen stands and high-resolution multispectral imagery, implications to image classification."
- ▶Jennifer A Miller, "Modeling Vegetation Alliances in the Mojave Desert with Spatial Dependence"
- ▶Betsie M Phillips, "Comparison of Multi-level GPS Technologies."
- ▶Erik R Strandhagen, "Compiling and visualizing historical land cover data for the Sierra Nevadas"
- ▶Derek Gates, "Development of Orthorectified GIS Layers for the City of Mount Pleasant, Michigan"

Cartography Specialty Group Student Paper Competition

Friday, March 22, 1:00-2:40 pm

Organizer: Jeffrey S Torguson

Chair: Jeffrey S Torguson

- ▶Michael J Hradesky, "An Investigation into Flood Mapping Standards"
- ▶Eugene A Carpentier, "Visualizing Continuous Data: Guidelines for Creating Continuous Color Schemes"
- ▶Thomas L. Garey, "Sequent Occupance in the Birmingham Ethnic Neighborhood of East Toledo Ohio (1880-2001)"

Maps and the Internet: GIS Perspectives

Friday, March 22, 3:00-4:40 pm

Organizers: Michael P Peterson, Rex G Cammack

Chair: Rex G Cammack

- ▶Ming-Hsiang Tsou, "An Intelligent Agent-based Architecture for Internet Mapping and Distributed Geographic Information Services"
- ▶Christina H Drew, "Promoting Transparent Decisions with GIS and Internet Technology: Evaluating the Hanford Decision Mapping System"
- ▶Bridget J Beesley, "Comparison of Two Web Map Server Applications from a Developers Perspective: A Facility Services Approach"
- ▶Chris J Robinson, "Web-based GIS Application for Backpacking in U.S. National Parks"
- ▶Edwin T Chow, "A Web-Based Geographic Information System Application for Hydrology"

Maps and the Internet: User Perspectives

Friday, March 22, 5:00-6:40 pm

Organizers: Michael P Peterson, Rex G Cammack

Chairs: Michael P Peterson

- ▶Rex G Cammack, "Internet Maps Uses: Overcoming the Disconnect Between Geo-spatial Data and the Environment"
- ▶Jeffrey S Torguson, "The Student Atlas of Russia"
- ▶Linda M Levay, "Web Mapping for Tourism: Scuba Diving in South Carolina"
- ▶Barry J Glick, "Maps & the Internet: the Mapquest Experience"
- ▶Michael P Peterson, "Finding Maps through the Internet: An Investigation of High School and College Freshman"

Calendar

March 19-23, 2002. Association of American Geographers Annual Meeting. Los Angeles.
<http://www.aag.org/>

April 19-26, 2002. FIG/ACSM/ASPRS Spring 2002 Conference, Washington, D.C.
<http://www.fig2002.com/>

March 17-20, 2002. Geospatial Information and Technology Association Annual Conference. Tampa, FL
<http://www.gita.org>

September 24-25, 2002. ICA Commission on Maps and the Internet workshop preceding the 4th annual "Web.Mapping" Symposium in Karlsruhe, Germany.
http://maps.unomaha.edu/ica/Maps&Internet/Upcoming/Karlsruhe_call.pdf

October 9-12, 2002. North American Cartographic Information Society Annual Meeting. Columbus, Ohio.
<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 articles and calendar items to:

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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:

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