



CARTOGRAPHY SPECIALTY GROUP

Volume 21, Number 3

Fall 2001

Words from the Chair

Matt McGranaghan

The events of September 11th, and responses to them, have been, I am sure, at the fore in many of our minds.

One effect of these events has been to remind us of the important role that maps play in shaping our understanding of the world. A colleague's anecdotes about recourse to a map quickly clearing-up some student misconceptions of the distances between New York City and Washington, DC, of the location of those places relative to Afghanistan, and of the latter's regional context brought this into focus (once again). Maps are critical tools for anyone trying to make sense of the news.

The importance of the role of cartographers in helping people to understand the events of the day is clear. Charts explaining the unusual paths of the hi-jacked airplanes, city plans explaining the relation of the World Trade Center site to the Hudson river, maps to help coordinate relief efforts, unwieldily large maps of the Middle East covering the floor of a broadcast studio while a commentator walks around describing the geopolitical landscape, daily news maps showing out-breaks of anthrax and the character and locations of largely unfamiliar places: these are all important contributions to helping people understand what is happening. Cartographers can, have and should continue to provide the best possible information to map readers in order to help them make sense of the world.

So, be confident that maps and cartography are worthy endeavors, do good work, and plan to attend the annual meeting of the AAG in Los Angeles.

The CSG program is looking very good. Thanks to Rex and to all who are contributing.

Best wishes to all,

Matt

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Matt McGranaghan, Cartography Specialty Group Chair
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ICA Commission on Maps and the Internet

Michael Peterson

The Commission on Maps and the Internet of the International Cartographic Association is pursuing further international cooperative efforts. The commission-sponsored workshop in Guangzhou, China, at the beginning of August was attended by over 100 individuals with speakers from eleven different countries. The next commission activity is participation in the 3rd annual Web Mapping conference in Karlsruhe, Germany, Nov. 15-16, 2001. The conference has served as a forum to bring together specialists in the area of Internet Cartography since 1999. Representatives will be present from Austria, Switzerland, Denmark, Netherlands, Sweden, and the United States. A program for the meeting (in German) is available from:
http://www.webmapping.de/symposium/fs_symp.htm.

Members of the commission will also participate in the International Geomatica Congress 2002 in Havana, Cuba. The congress will focus on the importance of spatial information for decision making in the interest of sustainable development. The Congress will be held in the Convention Palace in Havana, Cuba, from 18-23 February, 2002. Commission members (non-US citizens) will participate in the paper session and sponsor a hands-on workshop. More information about the conference and

other activities of the commission can be obtained from the commission chair, Michael Peterson at:

Michael_Peterson@unomaha.edu

NACIS Meeting in Portland

Elisabeth Nelson

The 21st annual meeting of NACIS was held in Portland, Oregon, from October 3-6, 2001. The opening speaker for the conference, Mike Houck of the Portland Audubon Society, discussed issues revolving around regional growth and greenspace. The conference, which featured a record number of presentations, boasted 13 different paper sessions that covered a broad array of topics, including internet mapping, visualization, census mapping, education, atlases, animation, professional certification, map design, and alternative cartographies. The conference was also prefaced by a full day devoted to *Practical Cartography* (organized by Alex Tait of *Equator Graphics*). Like the conference itself, it was a wildly successful event in which close to 100 cartographers came together to discuss digital cartographic techniques in an informal setting.

New Maps from the USGS

Joseph Kerski

Colorado Natl Monument, GI2740, \$7.00; with photographs and text.

Geologic Map of the Grand Canyon, GI2688, \$7.00 with photographs and text.

The USGS has published two experimental maps of the State of Pennsylvania. These shaded relief maps, 1:500,000-scale, were developed to highlight the National Elevation Dataset (NED). They were created digitally from the NED with illumination from the northwest (azimuth 315 degrees) by a simulated sun 45 degrees above the horizon and a 3x vertical exaggeration factor. Water bodies were derived from 1:100,000-scale Digital Line Graphs. Both black and white as well as color editions have been published.

PA State map, 1:500,000, \$7.00

-Color Shaded Relief, TPA1447

-Grayscale Shaded Relief TLPA1446

National Atlas General Reference map, 1:5,000,000, 42"x30", TUS0438, \$7.00

A detailed reference map of the Nation in full-color for home, school, or office. This bright new National Atlas map faithfully portrays America's

-International and state boundaries

-Cities, large and small

-Highways

-Railroads and ferries

-Rivers and lakes

-Oceans and bays

-Natural features

-Forests

-Mountain elevations

-Terrain

This map can be viewed online at: <http://nationalatlas.gov>

Other new maps soon to be published in October 2001:

-Historic Trail Map of the Trinidad 1X2 Quadrangle, Southern Colorado, 40"x56", GI2745, \$7.00

(this will be just like the USGS Denver trail map)

Includes a text pamphlet with numerous old photographs in it.

-Colorado 1894 Map, 42"x53", Birds Eye View, Item # and price to be determined

-NED CO State map, 1:650,000, \$7.00, Item # and price to be determined

NOTE: Prices should be noted to have a \$5.00 handling charge per order.

New Atlas of Oregon Now Available

Aileen Buckley

The new Atlas of Oregon has been designed to be the most readable, enjoyable and illuminating overview of the state ever produced - a work of art as well as a great reference book. The Atlas of Oregon maps a world of information, from Oregon native cultures, exploration, politics, culture, religion, politics and economic growth to landforms, volcanoes, lakes, vegetation, wildlife HABITATS, geography, geology and place names. This book is the product of years of work by a distinguished team headed by University of Oregon's Professor of Geography Emeritus Bill Loy and Stuart Allan of Allan Cartography, makers of "the world's most beautiful maps" (Wall St. Journal), with digital cartography by Dr. Aileen Buckley of the Department of Geography and her students, along with Jim Meacham and his team in the UO InfoGraphics Lab.

... Completely revised and updated ... More than 1000 full-color illustrations, including more than 700 stunning new maps, accompanied by hundreds of charts and diagrams ... Information compiled by more than 100 leading Oregon experts ... A large set of reference maps details every corner of the state ... 320 pages, available in softbound or deluxe hardbound edition

"...The Atlas of Oregon, Second Edition, is a tour-de-force in cartography and design. Packed with fascinating

information, it's also a feast for the eye, full of meticulously executed maps aglow with color and enhanced with vivid graphic detail. This book will be admired and imitated for years to come for its scholarship, utility, and beauty. -- Chief Cartographer of the National Geographic Society, Allen Carroll

"...For atlases of all kinds, it sets daunting standards for beauty and quality in cartographic and graphic presentation. The second edition's content is simultaneously penetrating and comprehensive; its structure is coherent and instructive; its maps and diagrams are simply stunning." -- Association of American Geographers Executive Director, Ronald Ablor

Careers in Cartography and GIS Brochure

Keith Clarke

The Cartography and Geographic Information Society has completed a new version of the popular guide "Careers in Cartography and GIS." The document is now both a glossy color brochure and a web site. We hope to keep the web site up to date, and periodically update the brochure for reprinting. Approximately 10,000 have been distributed so far.

Copies are available for purchase in bulk at the ACSM headquarters, contact information at: www.acsm.net

An on line version is available at:
<http://www.acsm.net/cagis/CaGISCareerWeb>

Master's Thesis Research Grant Awards and Call for Applications

Trudy Suchan

Two students received AAG-CSG master's thesis research grants of \$300 each this summer: Angela Cangelosi and Benjamin Sheesley. Ms. Cangelosi is advised by Judith Tyner at California State University, Long Beach. Mr. Sheesley is advised by David Woodward at the University of Wisconsin-Madison. Both research projects happen to be on historical topics.

Thanks to the reviewers who worked at top speed and provided truly valuable comments for the applicants.

November 15 is the next application deadline for the Master's Thesis Research Grant Program, and we would be pleased to make further award(s) if good applications are received then. These grants are available to masters students working on cartographic research and who are enrolled in a geography degree program. Grants are available up 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, and human-subjects clearance (if the research involves human subjects) must be obtained before grant money can be awarded. Three people review each proposal. 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
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trudy.a.suchan@census.gov

National Geographic Society Cartography Award

David Miller & Alison Feeney

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#aag>), "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 Los Angeles.

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 2001 and 2002 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 22, 2002**):

Alison Feeney, PhD
CSG Academic Director
Geography Earth Science Department
Shippensburg University
Shippensburg, Pennsylvania 17257
AEFeen@wharf.ship.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.

Call for Nominations, 2002 - 2003

The 2002-2003 Cartography Specialty Group Nominations Committee requests nominees for the following offices up for election:

Vice Chair (2002-2003)
Secretary-Treasurer (2002-2004)
Academic Director (2002-2004)
Student Director (2002-2003)

Continuing officers for the coming year Trudy Suchan, Non-Academic Director (through 2003), Alison Feeney, Academic Director (through 2003), Rex Cammack, who will become the new Chair, and Matt McGranahan, who will become the Past Chair.

Please contact James Lowry by December 1, 2001 to suggest possible candidates:

James Lowry
Department of Geography / ECU Box Q2
East Central University
Ada, Oklahoma 74820
jlowry@mailclerk.ecok.edu

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

Editor's Note: Information received from AAG at press time did not include dates and times.

Maps and the Internet: GIS Perspectives

Organizer: Michael P Peterson
Co-organizer(s): Rex G Cammack
Chair(s): 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

Organizer: Michael P Peterson
Co-organizer(s): Rex G Cammack
Chair(s): 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"

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

Organizer: Ludmila M Moskal
Co-organizer(s): Bridget J Beesley
Chair(s): 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

Organizer: Jeffrey S Torguson

Chair(s): 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)"

Popular Cartography and Society: 18th and 19th Century Perspectives

Organizer: Christina E. Dando

Co-organizer(s): James R Akerman

Chair(s): 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

Organizer: Christina E. Dando

Co-organizer(s): James R Akerman

Chair(s): 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

Organizer: Christina E. Dando

Co-organizer(s): James R Akerman

Chair(s): James R Akerman

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

The Status of Cartography Education in the US

Organizer: James D Lowry

Co-organizer(s): Dennis Fitzsimons

Chair(s): James D Lowry, Dennis Fitzsimons

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

Past Time, Past Place: GIS for History 1

Organizer: Anne K. Knowles

Chair(s): 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 2

Organizer: Anne K. Knowles

Chair(s): 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?"

Visualization I: Applications and Issues

Organizer: Robert Maxwell Beavers

Co-organizer(s): Scott White

Chair(s): 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

Organizer: Andre Skupin

Co-organizer(s): Sara Irina Fabrikant

Chair(s): 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 Geovisualization

Organizer: Andre Skupin

Co-organizer(s): Sara Irina Fabrikant

Chair(s): 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 Session

Organizer: Robert Maxwell Beavers

Co-organizer(s): Scott White

Chair(s): 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"

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/>

May 15-16, 2002. The New England GIS Conference, Boxborough, MA

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

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 January 31st for the Winter issue. Please send your articles 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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