Cartography in a Changing World

Silver Spring, Maryland
October 20-23, 1993
PRELIMINARY PROGRAM

Wednesday, October 20

2:00 - 7:00 pm  Registration and Exhibits/Poster Setup
2:00 - 7:30 pm  NACIS Board Meeting Opening Session
9:00 - 11:00 pm Exhibits/Posters Session & Reception

SESSION A: Animation in Cartography
Orientation Biases and Animated Maps
Robert Lloyd and Rex Cammack
University of South Carolina
Conceptualization and Planning of Map Animations
Daniel Etter, GeoSystems and Martin von Wyss,
Penn State University
Map Animation: The Dynamic Variables Extended
Alan M. MacEachren, Penn State University

SESSION B: Cartographic Serendipity
Differences in Epistemological Beliefs and Map Interpretation
Julio C. Rivera, University of Wisconsin-Milwaukee
Categorizing the Cartographic Representation of Time
Irina Vasilev, SUNY College at Geneseo
Education in a Multi-Disciplinary Environment
Kit Foster, U.S. Geological Survey

10:00 - 10:30 am BREAK
10:30 - Noon CONCURRENT SESSIONS

SESSION C: Cartographic Data and Map Librarians
Evaluation of Programs for the Storage and Retrieval of Cartographic Data.
Lisa A. Recupero, University of Missouri, Rolla
Outreach Programs for Map Libraries
Andrew Johnson, Free Library of Philadelphia

SESSION D: Electronic Chart Display & Information Systems
Opening Remarks
Captain Leo J. Black, U.S. Coast Guard
History of ECDIS and International Scope
Mortimer Rogoff, Radio Technical Commission for Maritime Services
U.S. Coast Guard and ECDIS
Lee Alexander, U.S. Coast Guard
U.S. Corps of Engineers and ECDIS
Tony Niles, U.S. Corps of Engineers
Legal Aspects and GIS Applications
Fred Ganjon, Coast & Geodetic Survey

Noon - 1:00pm LUNCH
1:15 - 5:00pm TOURS
• NOAA/Coast & Geodetic Survey/Aeronautical Charting Division
• National Geographic Society
• National Archives

ANNUAL BANQUET
6:30 - 10:00 pm
Speaker: Dr. William B. Wood
The Geographer, Department of State

Friday, October 22

8:00am - Noon Registration
8:30am - Noon Exhibits/Posters Open
8:30 - 10:30am CONCURRENT SESSIONS

SESSION E: Cartographic Collage
A Decade of Transition for Academic Cartographic Facilities
Claudia James and Joseph Stoll, University of Akron
How Practical are Minimum-Error Map Projections?
John P. Snyder, U.S. Geological Survey (ret.)
Cartography’s Response to Changing Needs
Grady B. Meehan, George Mason University

SESSION F: Computer Cartography 1
The Digital Base Map: Automating Cartographic Data for a GIS User Community
Margit L. Crowell, Southwest Florida Water Management District
The Cartographic Challenges of Air Traffic Control Graphics for the Advanced Automation System
Ronald M. Bolton, NOAA/Coast & Geodetic Survey
Automated Terrain Shading for Microcomputer-Based Cartography: A Report
James L. Sloan II, Penn State University

10:00 - 10:30 am BREAK

10:30 - Noon

SESSION G: Panel Discussion on the Map Librarian’s Challenge with Service and Digital Data
Organizers: Jim Minton, University of Tennessee
John Sutherland, University of Georgia

Noon - 2:00 pm LUNCH & ANNUAL BUSINESS MEETING

2:00 - 3:30 pm CONCURRENT SESSIONS

SESSION H: Computer Cartography 2
Congressional District Atlas: Production of a Digital Map Image
Connie Beard, U.S. Bureau of the Census
Automated Scaling and Insetting: A Conceptual Approach
Gregory Yapundich, U.S. Bureau of the Census
Visualizing the Health of Chesapeake Bay; Constructing an Interactive Interface
David Howard and Alan M. MacEachren, Penn State University

SESSION I: Historical Cartographic Perspectives
Power and Maps: A New Interpretation of the Maps in “The Gazetteer of Jiankang Prefecture” (1261 A.D.)
Bangbo Hu, University of Wisconsin-Milwaukee
Cartography in Colonial Mexico and Guatemala: Making Maps Amidst Cultural Change
Alex Tait, Equator Graphics
New Tools for the Study of Old Maps
David W. Tilton, University of Wisconsin-Milwaukee

4:00 - 6:00 pm NACIS Board Meeting

7:30 - 10:00 pm Reception and Tour, Library of Congress, Geography and Map Division

Saturday, October 23

8:30 - 1:00 pm FIELD TRIP - Rou Grum, Library of Congress
Bus trip to Mount Vernon, Virginia and lunch at Gadby’s Tavern, Alexandria, Virginia

2:00 - 4:30 pm Workshop
“Separated at Birth? Caricaturing and Cartographic Generalization” - producing distinctive computer graphic representations
Henry W. Cashner, Dept. of Geography, Queen’s University
(Additional workshops may be offered)

7:30 - 10:30 pm Social (Hors d’oeuvres and Dancing)

Hotel Accommodations

Quality Hotel
Silver Spring, Maryland

To make hotel reservations and receive a complimentary breakfast buffet with each night’s stay, please contact the Quality Hotel at (301) 589-5200. It is important that you mention NACIS when you register.

Room Rates (not including 12% tax):
Single (1 Adult) - $69.00
Double (2 Adults) - $77.00

Each additional person - $10.00

Reservations received after September 17, 1993 will be accepted on a “space available” basis.

For program and local arrangements information contact:

Charles Harrington,
NACIS Program Chair
10904 Kingstead Road
 Damascus, MD 20872
(301) 443-8360

For registration information contact:

NACIS
AGS Collection
P.O. Box 399
Milwaukee, WI 53201-0399
800-558-8993
FEATURED PAPERS
Each issue of Cartographic Perspectives includes featured papers, which are refereed articles reporting original work of interest to NACIS' diverse membership. Papers ranging from theoretical to applied topics are welcome. Prospective authors are encouraged to submit manuscripts to the Editor or to the Chairperson of the NACIS Editorial Board. Papers may also be solicited by the Editor from presenters at the annual meeting and from other sources. Ideas for special issues on a single topic are also encouraged. Papers should be prepared exclusively for publication in CP, with no major portion previously published elsewhere. All contributions will be reviewed by the Editorial Board, whose members will advise the Editor as to whether a manuscript is appropriate for publication. Final publication decisions rest with the Editor, who reserves the right to make editorial changes to ensure clarity and consistency of style.

REVIEWS
Book reviews, map reviews, and mapping software reviews are welcome. The Editor will solicit reviews for artifacts received from publishers. Prospective reviewers are also invited to contact the Editor directly.

TECHNICAL GUIDELINES FOR SUBMISSION
Literature cited should conform to the Chicago Manual of Style, 13th ed., University of Chicago Press, Chapter 16, style "B." Examples of the correct citation form appear in the feature articles of this issue. Authors of Featured Papers should submit four printed copies of their manuscript for review directly to Dr. Michael Peterson, Chair of the CP Editorial Board, Department of Geography, University of Nebraska - Omaha, Omaha, Nebraska 68182. Manuscripts are reviewed by a minimum of two referees. The recommendations of the reviewers and the Chair of the CP Editorial Board are sent to the Editor of CP. The Editor will contact all authors to notify them if their paper has been accepted for publication and if revisions are necessary prior to publication. The following technical guidelines should be followed for all accepted manuscripts (these guidelines also apply to book, map, and software reviews).

Material should be submitted in digital form on 3.5" diskettes. Please send a paper copy along with the disk, in case it is damaged in transit. Text documents processed with Macintosh software such as WriteNow, WordPerfect, MS Word, and MacWrite are preferred, as well as documents generated on IBM PCs and compatibles using WordPerfect or MS Word. ASCII text files are also acceptable.

PostScript graphics generated with Adobe Illustrator or Aldus FreeHand for the Macintosh or Corel Draw for DOS computers are preferred, but generic PICT or TIFF format graphics files are usually compatible as well. Manually produced graphics should be no larger than 11 by 17 inches, designed for scanning at 600 dpi resolution (avoid fine-grained tint screens). Continuous-tone photographs will also be scanned.

Materials should be sent to: Dr. Sona Karentz Andrews, Editor- Cartographic Perspectives, Department of Geography, 3413 N. Downer Avenue, University of Wisconsin-Milwaukee, Milwaukee, WI 53211; (414) 229-4872, fax (414) 229-3981; e-mail: sona@csd4.csd.uwm.edu.

COLOPHON
This document was desktop-published at the Department of Geography, University of Wisconsin-Milwaukee, using a Apple Macintosh IIci computers. Word processing was accomplished primarily with Microsoft Word 5.1 : page layout with PageMaker 4.2. Graphics not rendered with Aldus FreeHand , Adobe Illustrator, Corel Draw, or ATLAS*GIS were scanned from paper originals using a desktop scanner. The PageMaker document was output by an Agfa ProSet 9800 at 2400 dpi. The bulletin was printed by offset lithography on Warren Patina 70# text stock. Text type is set in Palatino, a face designed by Herman Zapf.
North American Cartographic Information Society
Sociedad de Información Cartográfica Norte Americana

Name/Nombre: _____________________________________________
Address/Dirección: _________________________________________
_________________________________________________________________
Organization/Afilación profesional: _______________________________
_________________________________________________________________
Your position/Posición: _________________________________________
Telephone Number: ____________________________________________
Fax Number: _______________________________________________
E-mail Address: ______________________________________________

Membership Fees for the Calendar Year*/
Valor de nómina de socios para el año:
Individual/Regular: $28.00 U.S./E.U.
Students/Estudiantes: $8.00 U.S./E.U.
Institutional/Miembros institucionales: $58.00 U.S./E.U.

Make all checks payable to/
Manden sus cheques a:
NACIS
AGS Collection
P.O. Box 399
Milwaukee, Wisconsin 53201

*Membership fees include subscription to Cartographic Perspectives.
The North American Cartographic Information Society (NACIS) was founded in 1980 in response to the need for a multidisciplinary organization to facilitate communication in the map information community. Principal objectives of NACIS are:

§ to promote communication, coordination, and cooperation among the producers, disseminators, curators, and users of cartographic information;

§ to support and coordinate activities with other professional organizations and institutions involved with cartographic information;

§ to improve the use of cartographic materials through education and to promote graphacy;

§ to promote and coordinate the acquisition, preservation, and automated retrieval of all types of cartographic material;

§ to influence government policy on cartographic information.

NACIS is a professional society open to specialists from private, academic, and government organizations throughout North America. The society provides an opportunity for Map Makers, Map Keepers, Map Users, Map Educators, and Map Distributors to exchange ideas, coordinate activities, and improve map materials and map use. Cartographic Perspectives, the organization's Bulletin, provides a mechanism to facilitate timely dissemination of cartographic information to this diverse constituency. It includes solicited feature articles, synopses of articles appearing in obscure or non-cartographic publications, software reviews, news features, reports (conferences, map exhibits, new map series, government policy, new degree programs, etc.), and listings of published maps and atlases, new computer software, and software reviews.