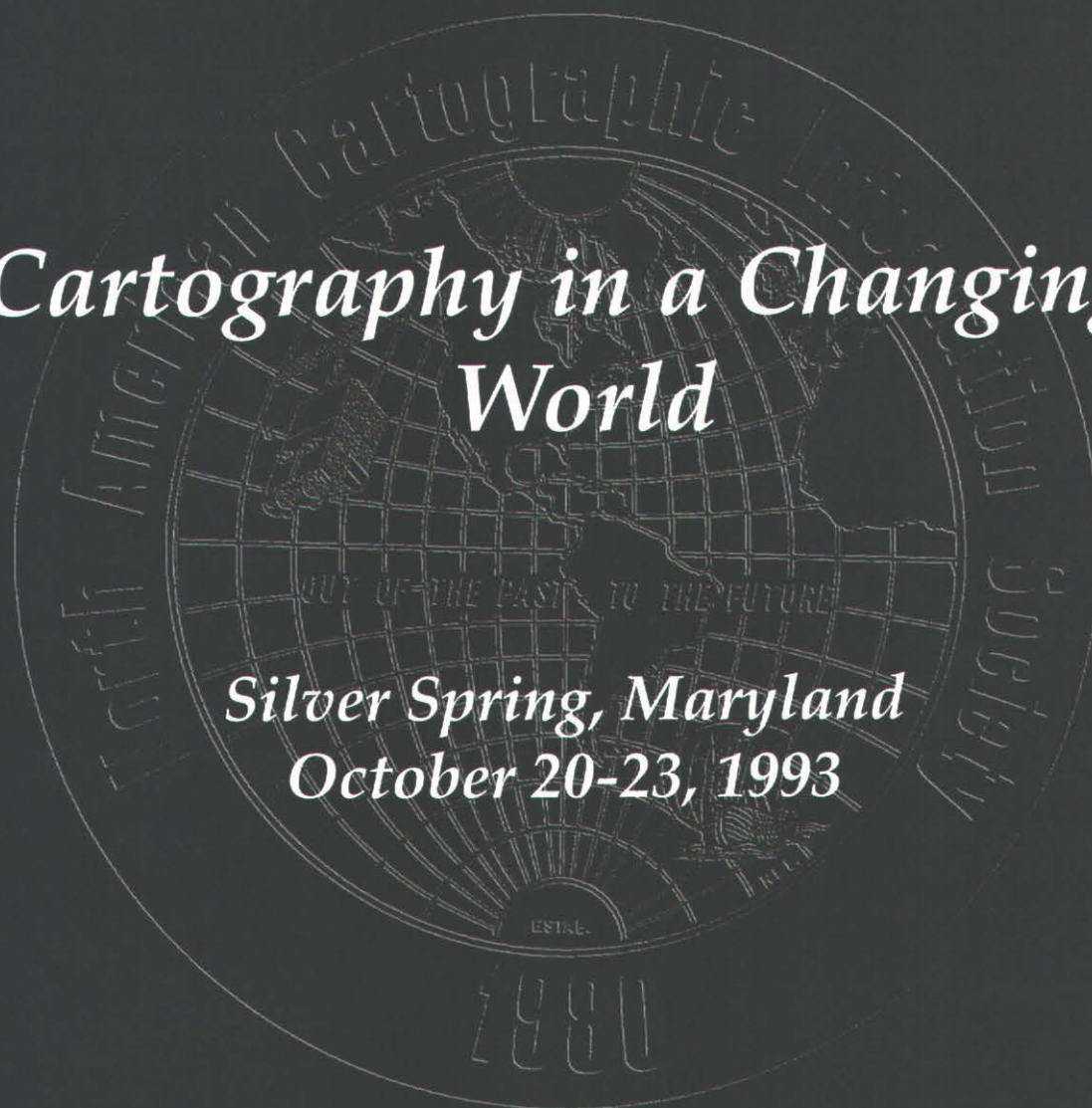


NACIS XIII

*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*
Keynote Speaker:
Richard Furno
Washington Post

9:00 - 11:00 pm *Exhibits/Poster Session & Reception*
Organizer: Donna G. Schenström, Univ. of Wis.-Milwaukee, and Howard Danley, C & GS

Thursday, October 21

8:00 am - 7:00 pm *Registration*

8:30 am - Noon *Exhibits/Posters Open*

8:30 - 10:00 am *CONCURRENT SESSIONS*

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 Vasiliev, 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 Librarians

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 - 10:00am *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 **Exhibits/Posters Open**

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 - Ron Grim, 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. Castner, 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.

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This document was desktop-published at the Department of Geography, University of Wisconsin-Milwaukee, using a Apple Macintosh IIfx 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.

NACIS membership form

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**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 graphicacy;
- § 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.

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