



BEGINNING ANOTHER DECADE

North American Cartographic Information Society Eleventh Annual Meeting — October 20-23, 1991

Preliminary Program

SUNDAY, OCTOBER 20

10:00 am - 7:00 pm
10:00 am
1:00 - 4:30 pm
7:30 pm

Registration
NACIS Board Meeting
Pre-conference Boat Trip
Opening Session

Keynote Speaker
Professor Brian Harley

9:00 - 11:00 pm

Poster Session and Reception
University Cartography Laboratories

MONDAY, OCTOBER 21

8:00 am - 7:00 pm
9:00 am - Noon
8:30 am - 10:00 am

Registration
Exhibits Open
Concurrent sessions

SESSION A: WORKSHOP

**Compasses That Haven't Been Built:
Orienting Ourselves in the Real World**
Henry W. Castner, Pittsboro, NC

SESSION B: MAP PRODUCTION

Microcomputer-Based Postscript Large Format Cartography
Brad Javenkoski, University of Wisconsin — Milwaukee

**Preprocessing CAD Data:
Large Areas From Small Digitizers on a Small Budget**
Kathryn Ford Thorne, Aurora, IL

Cartographic Information on Film
Malcolm Duffek, Color Microimaging Corporation, Colorado Springs, CO

10:00 am - 10:30 am

Break

10:30 am - Noon

Concurrent sessions

SESSION C: WORKSHOP

Designing Symbols: Discovering Some Underlying Concepts

Henry W. Castner, Pittsboro, NC

SESSION D: ROUNDTABLE

Cartographic Information in the Government

12:00 - 1:30 pm

Luncheon and Annual Business Meeting

Speaker

Dr. Christopher Baruth

2:00 - 4:00 pm

Concurrent sessions

SESSION E: CARTOGRAPHIC EDUCATION AND ANIMATION

**The Thematic Map as a Didactic Resource
in the Process of Teaching Geography**

Josefina Ostuni, Mendoza, Argentina

Grading the Graphics: A Critique of the Maps We Learn From

Donald J. Ziegler, Old Dominion University, Norfolk, VA

Teaching Map Projections Through Animation

Sona Andrews and David Tilton, University of Wisconsin—Milwaukee

SESSION F

**Public Access to Geographic Information Systems:
Your Federal Government at Work**

Susan L. Nelson, Wheaton, MD

Global Positioning System: Status Update

Ron Bolton, NOAA, National Ocean Service

Magnetic Variation and its Role in Determining Direction

Ron Bolton, NOAA, National Ocean Service and

Norman W. Peddie, U.S. Geological Survey

5:00 - 9:00 pm

AGS Reception — transportation
provided

8:30 - 10:00 am

Concurrent sessions

SESSION G: MICROCAM SOFTWARE

**a. The User-Friendly MicroCAM Interface Software for Inexpensive
Production of Outline Maps and Cartographic Education**

TUESDAY, OCTOBER 22

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WEDNESDAY, OCTOBER 23

b. Teaching Cartographic Fundamentals with MicroCAM Software

c. Introductory Cartography Exercises with MicroCAM Software

Paul S. Anderson, Illinois State University, Normal, IL

SESSION H: ROUNDTABLE

Ethics in Cartography

10:00 - 10:30 am	Break
10:30 am - Noon	Field Trips
	Milwaukee's Lakefront Development
	Bus Tour
	Walking Tour of Downtown — Mapping
	Organizations
	Brewery Tour

6:30 - 7:15 pm	Reception and Cash Bar
7:30 - 9:00 pm	Annual Banquet
	Speaker
	Professor William Huxhold

8:30 - 10:00 am **SESSION J: ROUNDTABLE**
Cartography in the Private Sector

10:00 - 10:30 am	Break
10:30 am - Noon	Concurrent sessions

SESSION K: HISTORICAL CARTOGRAPHY

The Cartography of William Hack

Peter R. Galvin, St. Norbert College, DePere, WI

Some Factors of the Early English World Atlas

Dalia Varanka, University of Wisconsin — Milwaukee

Pearl Harbor Maps

Daniel K. Blewett, Loyola University of Chicago

SESSION L: CARTOGRAPHY

Trends in Cartographic Research: 1964-1989

Pat Gilmartin, University of South Carolina, Columbia, SC

Weighted Contours (A Surface Representation Strategy for Cartographic Visualization)

David DiBiase, Pennsylvania State University, University Park, PA

Interface in Cartography

Michael Peterson, University of Nebraska at Omaha, Omaha, NE

12:00 - 1:30 pm	Lunch
1:30 - 3:00 pm	Business Meeting and Election of Officers
3:15 - 5:00 pm	NACIS Board Meeting

EXCHANGE PUBLICATIONS

Cartographic Perspectives gratefully acknowledges the publications listed below, with which we enjoy exchange agreements. We continue to seek agreements with other publications.

Cartography Speciality Group Newsletter. Biannual publication of the Cartography Speciality Group of the Association of American Geographers. Features news, announcements and comics.
Contact: Ellen White, Editor, CSG Central Office, Department of Geography, Michigan State University, East Lansing, MI 48824; (517) 355-4658.

Cartomania. This quarterly newsletter of the Association of Map Memorabilia Collectors offers a unique mix of feature articles, news, puzzles, and announcements of interest to cartophiles. ISSN 0894-2595.
Contact: Siegfried Feller, publisher/editor, 8 Amherst Road, Pelham, MA 01002; (413) 253-3115.

Geotimes. Monthly publication of the American Geological Institute. Offers news feature articles, and regular departments including notices of new software, maps and books of interest to the geologic community. Articles frequently address mapping issues. ISSN 0016-8556.
Contact: Geotimes, 4220 King Street, Alexandria, VA 22302-1507.

GIS World. Published six times annually, this news magazine of Geographic Information Systems technology offers news, features, and coverage of events pertinent to GIS.
Contact: Julie Stutheit, Managing Editor, GIS World, Inc., P.O. Box 8090, Fort Collins, CO 80526; (303) 223-4848; fax: (303) 223-5700.

Information design journal. Triannual publication of the Information Design Unit. Features research articles reporting on a wide range of problems concerning the design and use of visual information.
Contact: Information design journal, P.O. Box 185, Milton Keynes MK7 6BL, England.

Perspective. This newsletter of the National Council for Geographic Education (NCGE) is published five times a year in October, December, February, April and June. News items related to NCGE activities and geographic education are featured.
Contact: NCGE, Leonard 16A, Indiana University of Pennsylvania, Indiana, PA 15705; bitnet: CLMCCARD@IUP.

instructions
to contributors

FEATURED PAPERS

All featured papers will be solicited by the NACIS Publications Committee. The goals of the solicitation procedure will be to select high quality papers that provide a balanced representation of the diverse interests of the membership. The primary mechanism for soliciting featured papers will be a paper competition held in conjunction with the Annual Meeting. All papers prepared for the meeting and submitted in written and/or digital form will be considered. Three of these will be selected to appear in *Cartographic Perspectives* during the next year.

In addition to the competition winners, the Publications Committee (in consultation with the editors) will solicit one or more papers each year from other sources. The goal here is to ensure that all aspects of the membership are served and to attract some thought-provoking ideas from authors who may not be able to attend the annual meeting.

Authors of selected papers will be given an opportunity to respond to suggestions of the Publications Committee before submitting a final version. The writing quality must adhere to high professional standards. Due to the interdisciplinary nature of the organization, it is particularly important that papers are carefully structured with ideas presented succinctly. The editors reserve the right to make editorial changes to ensure clarity and consistency of style.

Papers ranging from the theoretical/philosophical to methodological/applied topics will be considered providing that ideas are presented in a manner that will interest more than a narrow spectrum of members.

To be considered for the paper competition, papers should be prepared exclusively for NACIS, with no major portion previously published elsewhere.

TECHNICAL GUIDELINES
FOR SUBMISSION

Cartographic Perspectives is designed and produced in a microcomputer environment. Therefore, contributions to CP should be submitted in digital form on 3.5" or 5.25" diskettes. Please send paper copy along with the disk, in case it is damaged in transit.

Text documents processed with Macintosh software such as *WriteNow*, *WordPerfect*, *Word*, and *MacWrite* are preferred, as well as documents generated on IBM PCs and compatibles using *WordPerfect* or *Word*. ASCII text files are also acceptable.

PostScript graphics generated with Adobe *Illustrator* or Aldus *FreeHand* for the Macintosh or Corel Systems' *Corel Draw* for DOS computers are preferred, but generic PICT or TIFF format graphics files are usually compatible as well.

For those lacking access to microcomputers, typed submissions will be cheerfully accepted. Manually produced graphics should be no larger than 11 by 17 inches, designed for scanning at 600 dpi resolution (avoid fine-grained tint screens).

Submissions may be sent to: David DiBiase, Department of Geography, 302 Walker Building, Pennsylvania State University, University Park, PA 16802; (814) 863-4562; email: dibiase@essc.psu.edu.

COLOPHON

This document was desktop-published at Deasy GeoGraphics, Department of Geography, Penn State University, using an Apple Macintosh IIcx. Word processing was accomplished primarily with *WordPerfect 1.03*; page layout with *PageMaker 4.0*. Graphics not rendered with Aldus *FreeHand 2.02* were scanned from paper originals using an HP 9190 ScanJet desktop scanner. The *PageMaker* document was output by a Linotronic 300 at PSU Printing Services. 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. The featured color is PMS 803.