



# **BEGINNING ANOTHER DECADE**

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

Preliminary Program

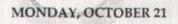


10:00 am - 7:00 pm 10:00 am 1:00 - 4:30 pm 7:30 pm Registration NACIS Board Meeting Pre-conference Boat Trip Opening Session

Keynote Speaker Professor Brian Harley

9:00 - 11:00 pm

Poster Session and Reception University Cartography Laboratories



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 10:30 am - Noon

Break

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



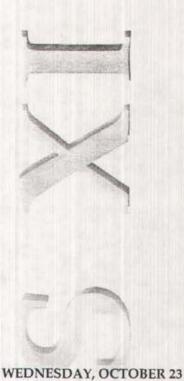












# b. Teaching Cartographic Fundamentals with MicroCAM Software

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 10:30 am - Noon	Break Field Trips Milwaukee's Lakefront Development Bus Tour Walking Tour of Downtown — Mapping Organizations Brewery Tour
6:30 - 7:15 pm 7:30 - 9:00 pm	Reception and Cash Bar Annual Banquet
	Speaker Professor William Huxhold
8:30 - 10:00 am	SESSION J: ROUNDTABLE

Break

Concurrent sessions

Cartography in the Private Sector

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

10:00 - 10:30 am

10:30 am - Noon

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 Pennyslvania, 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

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 Scanlet 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.