PRELIMINARY PROGRAM NACIS XVII

The Seventeenth Annual Meeting of the
North American Cartographic Information Society
Visit our progam web site at http://leardo.lib.uwm.edu

Oct. 1-4, 1997
Lexington, Kentucky

WEDNESDAY, OCTOBER 1, 1997
3:00 - 5:30 p.m.
NACIS BOARD MEETING

3:00 - 7:30 p.m.
REGISTRATION

7:30 - 9:00 p.m.
OPENING SESSION
Keynote Speaker: Karl Raitz, University of Kentucky
Kentucky's Place and Patterns

9:00 - 11:00 p.m.
POSTER SESSION/EXHIBITS AND RECEPTION
Organizer: Donna Schenstrom, Univ of Wisconsin - Milwaukee

THURSDAY, OCTOBER 2, 1997
8:00 - noon
POSTER SESSION/EXHIBITS
Organizer: Donna Schenstrom,
Univ of Wisconsin - Milwaukee

8:30 - 10:00 a.m.

A. PLENARY SESSION PANEL DISCUSSION:
SOFTWARE FOR DESIGNING PUBLICATION-QUALITY MAPS:
WHERE ARE WE NOW & WHAT CAN WE HOPE FOR?

Organizer and chair, Anne E. Gibson, Clark Univ.

10:30 - 12:00 a.m.

B. PAPER SESSION
DESIGNING MAPS WITH TODAY'S TECHNOLOGIES

Producing high-quality maps from GIS data:
the Water Resources Atlas of Florida;
James R. Anderson, Jr. & Louis Cross, Florida State Univ.

Problems of cartographic design in GIS-T;
R. Gordon Kennedy, Washington State DOT

Using Adobe Acrobat PDF technology to support multiple map designs, map formats, & media
Scott C. Wilcox, U.S. Bureau of the Census
C. Paper Session

Theoretical Issues in Cartography & Cognition

Cartographic metaphors for browsing very large data archives;
Barbara P. Buttenfield, University of Colorado

An examination of various neural network models for use in geographic visualization;
David K. Patton, Slippery Rock Univ. of Pennsylvania

Criteria of formalization of the process of feature selection;
Georg Gartner, University of Technology Vienna

12:30 - 2:00 p.m.
Luncheon and Annual Business Meeting

2:00 - 6:00 p.m.
Field Trips and Tours

• Kentucky Natural Resources & Environmental Protection Cabinet's GIS Branch, Frankfort
  The oldest GIS agency in state government will demonstrate some of its recent applications and conduct a tour of the office (includes a visit to the Kentucky Vietnam War Memorial).

• PlanGraphics, Inc., Frankfort
  A leading international consultant and systems integrator of geographic information systems and information technology. PlanGraphics' headquarters is in Frankfort, with regional offices located in Maryland, Texas, Colorado, Arizona, and the Middle East (includes a visit to the Kentucky Vietnam War Memorial).

• Labrot & Graham bourbon distillery
  Labrot & Graham has been restored to its 1840s operating condition and produces bourbon using the original Scottish "pot still" method.

• Self-guided walking tour of downtown Lexington

7:30 - 9:00 p.m.

Map Collectors' Show and Tell
An informal gathering where collectors of maps of all sorts are invited to discuss and show examples (maybe even negotiate some trades?) of their collections with similarly-addicted souls. Hosted by Pat Gilmartin, Univ. of South Carolina.

FRIDAY, OCTOBER 3, 1997

8:00 - noon
Poster Session/Exhibits
Organizer: Donna Schenstrom,
Univ of Wisconsin - Milwaukee

8:15 a.m. - 9:30 a.m.

D. Panel Discussion

Revise & Resubmit: The Future of Cartographic Research

Organizer and chair, Cynthia A. Brewer,
The Pennsylvania State University

E. Panel Discussion

Is the Virtual Map Library in Sight?
Organizer and chair, James O. Minton, University of Tennessee - Knoxville. Participants: Christopher Baruth, AGS Collection; Denise Stephens, University of Virginia - Charlottesville; John Sutherland, University of Georgia.

10:00 - 12:00 a.m.

F. Paper Session

Map Production and Design Issues

The UO InfoGraphics Lab experiment: an organic approach to cartographic problem-solving and research facility development;
James E. Meacham, University of Oregon

Staircase locks 3-D model;
Claudia James and Joseph W. Stoll, University of Akron

Abstracting reality: making guidebook maps;
Ren Vasiliev, Geneseo, NY

Rapid transit system maps;
Dennis McClendon, Chicago CartoGraphics

G. Paper Session

Interactive Software in the Classroom

The virtual internship: an application of the narrative form in computer-assisted learning;
David DiBiase, The Pennsylvania State University

An interactive multimedia geography lesson for dyslexic students;
Alison E. Philpotts, Michigan State University

Cartography, GIS and the Web;
Jeremy Crampton, George Mason University

Perspectives on integrating interactive cartography into an introductory human geography course;
Charles P. Rader, University of Wisconsin - River Falls

12:00 - 1:30 p.m.
Luncheon Break
Editorial Board Meeting, Cartographic Perspectives

1:30 - 3:00 p.m.

H. Paper Session

Mapping on the World Wide Web

Interaction, animation, multimedia, visualization, and the Web: mapping out a "New Cartography;"
Michael P. Peterson, University of Nebraska - Omaha
VRML: three-dimensional mapping on the Web;
James M. Swanson, University of Nebraska-Omaha

Shocking the map: using Shockwave to create interactive maps for the World Wide Web;
Rex Cammack, Southwest Missouri State University

I. PAPER SESSION
EVALUATING CARTOGRAPHIC ELEMENTS

Revisiting the poly-centered orthographic world projection: changes and revisions, and the importance of shape;
Bordon D. Dent, Georgia State University

Visualizing flow lines through time: a comparison between animated and chess maps;
Harry Johnson & Elisabeth Nelson, San Diego State Univ.

An evaluation of motion in the recall of landmarks from an animated map display;
Keith Rice & Aaron Weier, Univ. of Wis. Stevens Point

3:30 - 5:00 p.m.

J. PAPER SESSION
PRODUCING MAPS WITH TODAY'S TECHNOLOGIES

Constructing surface cartograms using ArcInfo;
Nikolas H. Huffman and David A. J. Ripley, The Pennsylvania State University

Combining raster imagery and vector data to produce geologic maps;
B. J. Stiff, Illinois State Geological Survey

GPS/GIS integrated systems to benefit all phases of aircraft navigation;
Ronald M. Bolton, NOAA

K. PAPER SESSION
CARTOGRAPHY: PEDAGOGY & ANALYTICAL APPLICATIONS

Lessons from past masters: a pedagogical tribute to the late Robert C. Kingsbury and John C. Sherman;
Peter R. Galvin, Indiana University Southeast

Virtual cartography instruction: current status and developments;
Paul S. Anderson, Illinois State University

Cartography of disturbed landscapes in regions;
Felix N. Ryansky, Far-Eastern Branch of Russian Academy of Sciences

L. POSTSCRIPT MAPPING ROUNDTABLE.
Organizer and chair, Dennis McClendon, Chicago CartoGraphics.

3:30 - 5:30 p.m.
NACIS BOARD MEETING

6:30 - 10:00 p.m.
ANNUAL NACIS BANQUET
Guest Speaker, John Pickles, University of Kentucky

SATURDAY, OCTOBER 4, 1997

9:30 - 11:30 a.m.

M. PANEL DISCUSSION
MAPPING ON THE WEB:
THE INTERNATIONAL DIMENSION
Organizer and chair: Michael Peterson, University of Nebraska - Omaha. Participants: William Cartwright, Royal Melbourne Institute of Technology; Georg Gartner, Technical University - Vienna; Michael Peterson, University of Nebraska - Omaha

N. PAPER SESSION
MAPPING THE WORLD FOR CHILDREN

An analysis of pre-school children's mapping abilities in a familiar environment;
Amy Lobben, Michigan State University

American images of the world: nineteenth century school atlases;
Jeffrey Patton, University of North Carolina - Greensboro

Searching for maps that bridge reality and thought in geographic education;
Henry W. Castner, Pittsboro NC

The ICA/Petchenik Children's Map Competition: exploring ways of linking it to the curriculum;
Henry W. Castner, Pittsboro NC

WORKSHOPS

8:30 - noon
Photoshop fix for Cartographers
Tom Patterson, National Park Service

8:30 a.m. - 4:30 p.m.
Thematic and Interactive Mapping with ArcView
Charlie Frye, Environmental Systems Research Institute

SATURDAY AFTERNOON ACTIVITIES
Keene Race Course • Kentucky Horse Park • Shaker Village of Pleasant Hill

Hotel Information
NACIS XVII will be held at the Radisson Plaza Hotel, Lexington, KY. The hotel is located at 369 W. Vine Street.

Reservations can be made by calling the hotel at (606) 231-9000 or Radisson reservations at 1-800-333-3333. Be sure to specify that you are attending the NACIS Conference.

Room rates: $99 for single or double.