



NEMO Newsletter

Quarterly Newsletter of the North East Map Organization

NUMBER 49

January 2003

From the Bridge

Happy new year! Already 2003 and the 21st century is well underway. So many changes in the World and in mapping. First, a change of our own: the NEMO Web site has moved to: <http://ublib.buffalo.edu/libraries/asl/maps/nemo.html>. This is a much shorter URL and is the first step toward making the site faster loading and easier to remember. I am working on getting a domain name. NEMO member Eric Riback made a great suggestion:



NorthEastMap.org, which will make it even easier to remember and to give out to the map world. Once this is taken care of, I will let you all know. I found out that NEMO appears in hundreds of places.



How many NEMOs are there in the world? If you want to find out some of the many ways NEMO appears on the Internet, visit **NemoWorld:**

<http://www.nemoworld.com/NemoLinks.htm>

There are a few links that are not in existence anymore, but the ones that are there, vary from ordinary to the extraordinary, and yes, we appear on ample, take a look at this:

<http://disney.go.com/disneypictures/findingnemo/index.html>

Planning for the **NEMO 2003 meeting** is under way. We will meet **June 12-13**, in the **Boston area**, at either Simmons College or Tufts. Full details will arrive as soon as we have them. Pat



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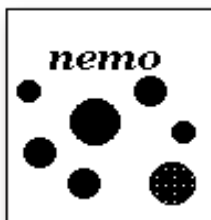


Photo of a U.S. Army survey team, ca. 1862.

McGlamery would be happy to hear from you on any presentations that you would like to make or leads on other possible presenters.

Call or e-mail Pat:

Patrick.McGlamery@uconn.edu

I had planned on continuing my train of thought from the last issue, asking the question, "is the map dead?" which would actually be providing proof of much alive. This will be taken up perhaps in the future.

If there is anything that you think of that we can do to make NEMO better, or if you have any comments, etc., please let me know. Until then we are

*Sailing through the icy seas
on route to spring!*



David Bertuca
Captain NEMO

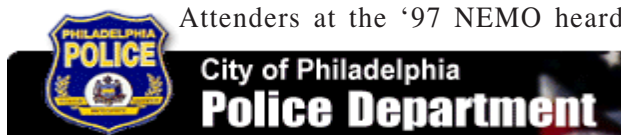


Daisy says woof!

Mapping Helps Solve Crime

by Pierre Ravaçon

For the diehard NEMO members who attended the 1997 meeting in Swarthmore, PA, the recent *Philadelphia Inquirer* headline might sound very familiar. It announced that the "City is mapping the roots of crime."



Attendees at the '97 NEMO heard

Charles "Chuck" Boenecke make a presentation on "GIS for Campus Security" which was his Master's thesis applied practically to the Temple University campus police. Chuck described how he had developed a database used in conjunction with AutoCad, aerial photos, ArcCad and ArcView in order to assist campus police in analyzing individual criminal incidents as well as to determine patterns which could help proactively prevent criminal activity.

Philadelphia police have been successfully using such a system now for more than five years to track crime trends and deploy troops, to the point that commanders rely heavily on the system to plan their daily operations. The system's levels of detail, including distinguishing between the sunny or shady side of a street (depending on time of day), or proximity of a street light (at night) has given the police significant crime fighting information.

Now Philadelphia's social service departments are also starting to use the same technology which has revolutionized policing. Although social service workers are incorporating the police crime information in their database, they are also mapping behaviors which have often been found to precede criminal activity.

The city's Managing Director Estelle Richman states that social services and health departments are recording reports of sexually transmitted diseases among teens, the locations of after-school programs, places where children have been wounded by gunfire, per capita immunizations, truancy rates and blighted buildings. All of these factors can be easily mapped and the resulting databases shared among the participating city departments. Analysis of the data is already helping city departments determine where to locate additional after-school clubs and where to emphasize preventive health care programs.

These practical applications of mapping show, once again, that maps support and enrich our lives in many ways every day.

Visit the Philadelphia Police Department's GIS site:
http://www.ppdonline.org/ppd2_tech_mapping.htm

On the Web

The GIS Notebook by Bill Thoen

<http://www.gisnet.com/notebook/index.html>

This site has "summaries of short trips into the web researching various subjects related to Geographic Information Systems (GIS)...."

Topics/Links include: A Guide to Unusual Maps on the Web; Searching for Government Information; The Best GIS Resource Lists / Mailing Lists / Related Journals Online / Jobs resources; Genetic Algorithms in GIS / Distance Learning Resources for GIS, and others.

An example of one of these sections is the Guide to Unusual Maps on the Web. Some of the links are dead, but most go to a variety of great places. There's the Sherlock Holmes Atlas <http://www.evo.org/sherlock/> a visual and text gazetteer of places mentioned in the famous novel series; the Geography Joke Page "A collection of jokes and sillies from around the classroom and the internet:" <http://www.zephyrus.demon.co.uk/education/geog/jokes.html>; the Atlas of Cyberspaces <http://www.cybergeography.org/atlas/atlas.html>; traditional maps showing the Internet <http://www.telegeography.com/maps/internet/index.html>. Great links to check out!

Need a Compass Rose?

Here are a few sites:

Visit Cathy Weber:

<http://www.cathyweber.net/recentwork.htm>

Or visit the Map Tools Web site:

<http://www.maptools.com/index.html>

and look at the compass rose area:

<http://www.maptools.com/FreeTools/Compas.html>

While there peek at their other stuff. The Free Tools page has some decent graphic pdf's for tools you can use: <http://www.maptools.com/FreeTools/>



Don't forget!

NEMO Annual Meeting Boston

June 12-13, 2003

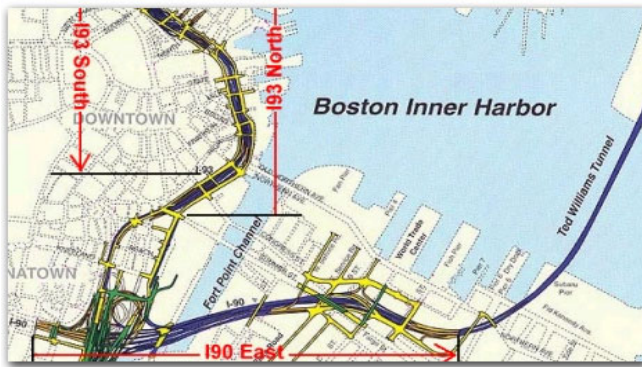
Current Officers (2002-2003)

Captain	David J. Bertuca	dbertuca@buffalo.edu
Capt.-Elect	Patrick McGlamery	patrick.mcglamery@uconn.edu
Secretary	Thelma Thompson	thelmat@cisunix.unh.edu
Treasurer	Heather Hoffman	jaquith@thecia.net

Members in Focus

Looking for Article Submissions!

Paige Andrew, Co-Editor of the brand new (Premiere issue will be published in early 2004) *Journal of Map and Geography Libraries: Advances in Geospatial Information, Collections & Archives* is seeking articles for the journal. As the title of the journal indicates, the scope is rather broad and we are looking for articles pertaining to both the digital geospatial realm as well as the hardcopy realm. If you would like to share your knowledge, research, and expertise with your colleagues internationally, this refereed journal is the place to do so! Please contact Paige: <mailto:pga2@psulias.psu.edu> or by phone: 814-865-1755 with questions and/or submissions.



“Digital Drive Through: Computer Simulation Offers Preview of the Finished Big Dig.”

In the *Boston Globe*. (Sat., Dec. 14, 2002. p. B1), there was a short article about a computer simulation created by the Human Performance Laboratory at UMASS-Amherst. The simulation provides the user the opportunity to “drive” parts of the Big Dig, as it will be when it is completed. The URL to get to the simulation is:

<http://www.ecs.umass.edu/hpl/>

URISA Conference Portland, Oregon July 20-22, 2003

The Urban and Regional Information Systems Association (URISA) will be holding a conference from July 20-22, 2003 at Portland State University in Portland, Oregon on the subject of public participation GIS. Public Participation GIS (PPGIS) refers to a range of topics raised by the intersection of community interests and GIS technology. The PPGIS Congress will bring together participants with a rich diversity of experience.

<http://www.urisa.org/PPGIS/ppgis.html>

Rand McNally & Co. Financial Woes

Debt-laden mapmaker Rand McNally & Co. said late Tuesday that it plans to file for Chapter 11 bankruptcy protection next month, and will seek approval of a pre-packaged restructuring plan to cut debt and spur new investment.

The closely held, 147-year-old Skokie company said it has reached an agreement with its lenders to convert roughly \$300 million of debt into private equity. The recapitalization plan would give Los Angeles-based buyout firm Leonard Green & Partners LP, which holds 60% of Rand McNally's debt, a majority stake in the company.

In a press release late Tuesday, the company said it expects its creditors to approve the plan by early February, and it expects to file a prepackaged Chapter 11 restructuring plan to a Chicago court soon after.

Rand McNally has been faltering since the McNally family sold the company in 1997 for about \$500 million to New York-based venture capital firm AEA Investors Inc. The company, which sells printed maps, atlases, guidebooks and satellite mapping tools among other things, had sought bids for itself on Sept. 12, 2001, but the auction was scrapped after the Sept. 11 terrorist attacks, according to Reuters. Soon after, Leonard Green began acquiring the company's debt, eventually taking possession of about \$180 million of the company's \$300 million of loans. That debt has been a problem for Rand McNally, but the company did manage to turn a profit in 2002, a spokesman said. The privately held company does not disclose financial results.

Rand McNally employs 1,000 workers and operates 25 stores - four in the Chicago area. Normal business operations will continue throughout the financial restructuring process, and no store closings or layoffs are expected, the spokesman said. Submitted by David Cobb to the Maps-L list. Quoted from *Crain's Chicago Business Newsroom* and via Roadmaps-L

David Rumsey Introduces Online Gaming Technologies to Web Browser-Based GIS Adds Lewis & Clark Expedition to 3D Web Mapping Experience

The Collection announces a new feature! Introducing a Web based 3D GIS viewer that allows users to experience the power and flexibility of desktop 3D GIS, using only their Web browsers and 3D video card capabilities. Four prototype 3D GIS maps are offered here, based on historic maps that have been combined with current digital elevation models (DEMs) of the same locations. The resulting solution combines the power and realism of historical maps, Geographic Imaging (GI), and Geographic Information Systems (GIS) technologies with the high performance, interactivity, ease-of-use, and overall visual engagement found in cutting edge online gaming and virtual reality simulations.

Continued on page 4

Mapping and Lewis and Clark

<http://nd.water.usgs.gov/lewisandclark/mapping.html>

Many European explorers, one of the earliest and most famous being Columbus, sought a water route from Europe to Asia that was more economical than sailing around Africa. As the New World was colonized, Americans and Europeans still used the traditional African route or sailed around the tip of South America. Both of these routes were slow, dangerous, and expensive, and the search for a water route to Europe and Asia became a search for a water route across North America, known as the Northwest Passage.



For hundreds of years, the fabled Northwest Passage inspired explorers as they tried to find a navigable route through North America. President Thomas Jefferson still envisioned such a water route when he instructed Meriwether Lewis, "The object of your mission is to explore the Missouri river, & such principal stream of it, as, by its course & communication with the waters of the Pacific Ocean, may offer the most direct & practicable water communication across this continent, for the purposes of commerce" (DeVoto, 1953).

At the time of Lewis and Clark and the Corps of Discovery, maps were "rare, expensive, and available only to the leaders of society." The process required to make a map involved a great deal of time and skill, and most available maps actually were published in England or France (Ehrenberg, 2000). Jefferson ensured that Lewis and Clark had access to the most recent maps and exploration narratives of their time.

Many of the rare maps that shaped the plans of Jefferson and Lewis and Clark have been preserved. This web site presents some of those maps, as well as the map Clark produced after his journey, and later maps up until the present time. Some of the maps are from the Library of Congress and can be examined more closely by following the links.

3-D Maps Continued from page 3

Phil Hoehn, Librarian of the David Rumsey Collection, writes the following:

"Please note that the 3D tools work with all versions of Internet Explorer and Netscape 4.7 and earlier. They do not work with Netscape 6 or 7 yet, but will in the near future. All version of Windows and MacOSX are supported. MacOS9 and earlier are not supported. A video card of at least 32megs is suggested since the 3D tools rely heavily on video card capabilities.

A new suite of gaming and simulation techniques available at:

<http://www.davidrumsey.com/gis/3d.htm>

gives Web-based GIS and map enthusiasts the unique opportunity to fly through and interact with late 1800s maps of California's most scenic and dynamic landscapes: Yosemite Valley, Lake Tahoe, and Los Angeles. A 3D mosaic of Lewis and Clark's legendary early 1800s expedition of the Western territory of the U.S. is also included.

"Our gaming tools add a new twist to 3D Web GIS," said David Rumsey, Cartography Associates President. "The realism and sense of playfulness typically experienced with virtual reality and simulation technology is now possible with a Web-browser based GIS."

Launching the 3D map viewer is simple. Once the full 3D map file is downloaded to the user's desktop, they can move through the map at varying speeds and angles, stopping to inspect various points. Rumsey and Telemorphic, Inc. created the browser-based interactive 3D visualization capability with support from Knightcap

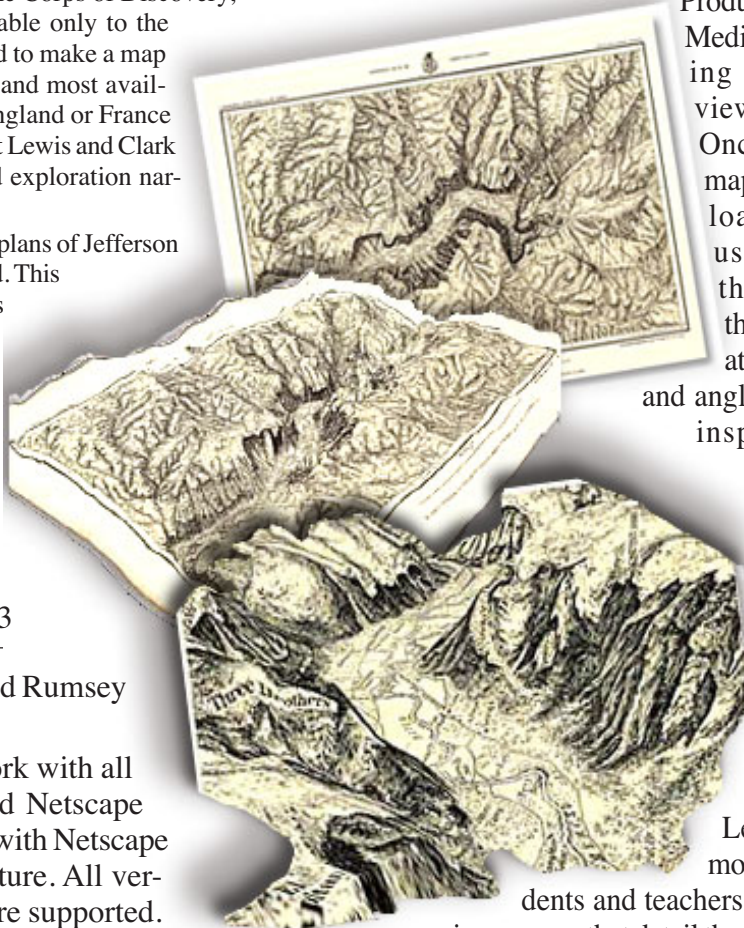
Productions and ID8 Media, Inc. Launching the 3D map viewer is simple. Once the full 3D map file is downloaded to the user's desktop, they can move through the map at varying speeds and angles, stopping to inspect various points.

"People can fly through and experience history from any vantage point and any angle in space," said Rumsey. "The Lewis and Clark

mosaic allows stu-

dents and teachers to visually ex-

perience maps that detail the topography and changing landscape along the expedition route, over a period of about 100 years, and compare those changes with current geospatial information."



Carto Clips



Mapping The North and Northeast Boundaries of the United States, 1798-1843

Maps of the Thomas Barclay Collection (Coll. 26) at the Maine Historical Society, Portland, Maine

In 2002 a grant was awarded to the Maine Historical Society by the Historical Collections Grant Program, funded by the New Century Community Grant Program and the National Historical Publications and Records Commission to catalog the maps of the Thomas Barclay collection (Coll. 26). This collection includes papers of Thomas Barclay, 1753-1830, Anthony Barclay, 1792-1877, Ward Chipman, 1748-1824, his son, Ward Chipman, 1787-1851 and Robert Pagan, all of whom worked on the commissions assigned to mapping and determining the boundaries between British Canada and the United States of America.

The maps of this collection cover the areas of Passamaquoddy Bay, the region around the New Brunswick and Maine borders, the St. John River, north-westerly to the St. Lawrence River, westward through the Great Lakes region to Lake of the Woods in Ontario. Most of the maps are the surveyors' work in the field. Three are Native American maps. A few are the printed maps of the day on which are handwritten notes referring to the boundaries. Dates range from 1798-1843.

The 100+ maps have been cataloged at item level and the bibliographic descriptions can be found on the online database MINERVA: <http://ursus2.ursus.maine.edu>

Search the Author category for **Barclay, Thomas**. A selection of digital map images may be seen at:

<http://www.mainememory.net>

Use the search words **Northeast Boundary**. In the summer of 2003 some of these maps will be on public display at the Museum of the Maine Historical Society in the Exhibit, 'The Shape of Maine.'

Synopsis: Mapping the Northeast Boundary of the United States, 1798-1843 — 129 maps

Bibliographic descriptions:

<http://ursus2.ursus.maine.edu>

Select digital images:

<http://www.mainememory.net>

Museum exhibit: "The Shape of Maine"—Summer 2003

For more information contact:

Maine Historical Society
Research Library
489 Congress St.
Portland, Maine 04101
207-774-1822 x 209
<http://www.mainehistory.org>

20th International Conference on the History of Cartography June 15-20, 2003

Harvard Map Collection, Harvard University, Cambridge, MA (June 15-17, 2003)

Osher Map Library, University of Southern Maine, Portland, ME (June 18-20, 2003)

The biennial international conferences on the history of cartography (ICHC), held under the auspices of Imago Mundi, Ltd., bring together a wide array of scholars who are interested in all aspects of the production and consumption of maps: historians of cartography, historians of science, art historians, geographers, cartographers, literary scholars, librarians, archivists, other historians, students in other cognate disciplines, map collectors, and map dealers.

Full details of these activities, together with information about conference fees, hotels and other accommodations, and the social program, together with registration forms, will be found at <http://www.ichc2003.org> (updated regularly). Questions about the conference should be addressed to info@ichc2003.org.

Fellowships for 2002-2003

The American Geographical Society Collection, University of Wisconsin-Milwaukee Libraries welcomes applicants for **Helen and John S. Best Research Fellowships**. Stipends of \$375 per week, for periods up to 4 weeks, will be awarded to support residencies for the purpose of conducting research that makes direct use of the Collection. The Fellowships will be tenable between December 2, 2002 and November 28, 2003.

The Collection, the former research library and map collection of the American Geographical Society of New York, has strengths in geography, cartography and related historical topics.

Applications must be postmarked by September 16, 2002. For further information, write, call or e-mail the AGS Collection, P.O. Box 399, Milwaukee, WI 53201-0399, (414) 229-6282 email: agsc@leardo.lib.uwm.edu.

Web site: <http://leardo.lib.uwm.edu>

Christopher Baruth AGS Collection

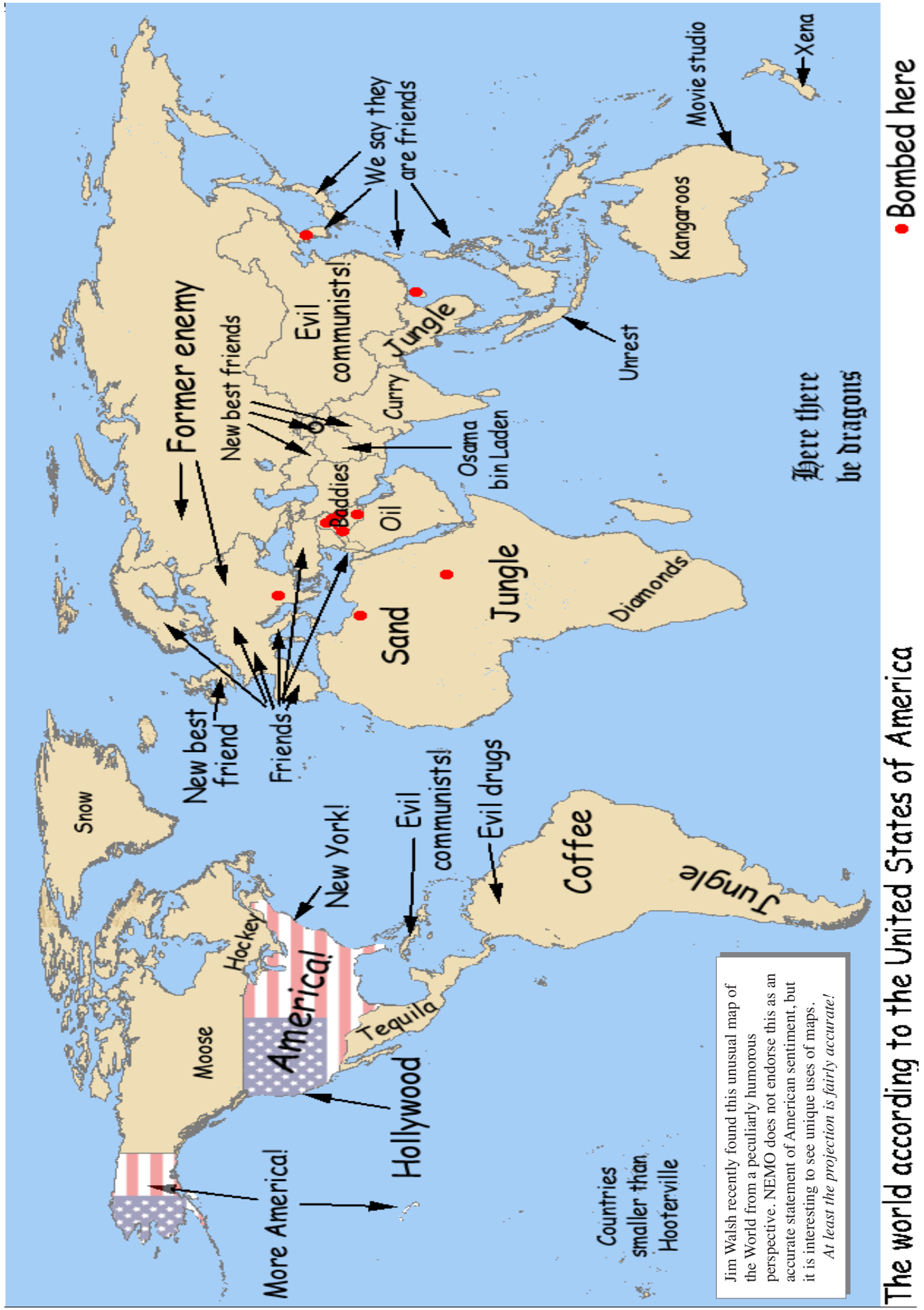


Maps of Ground Zero

We have additional copies of the Ground Zero maps of the World Trade Center area after the attacks and during the cleanup. If you are interested in obtaining copies, they are available for a modest cost that includes shipping/handling. Please send your request, with a check (make check out to: **North East Map Organization**) for \$4.00 per map, to David Bertuca (address on page 8). Requests for 2 or more maps, are \$3.00 a map. (Foreign requests, please send payment in U.S. funds and add \$2.00 for the first map, and \$.75 for additional maps).

Please make sure to include your return address with the request. You must specify whether you want the **Dec. 2001** or the **March 2002** map (or if you want both).

These are available on a first come/first served basis until we run out. You may tell your friends if you want.





Aztec Map of Technochtitlan (future Mexico City)

http://www.artsci.wustl.edu/~landc/images/maps/aztec4_1.jpg

Historical Maps Online

Here are reproductions of a few unique maps from Web sites. The URLs will help you to locate these.

Links to more historic maps can be found at the Perry-Castañeda Library, U of Texas:

http://www.lib.utexas.edu/maps/map_sites/hist_sites.html

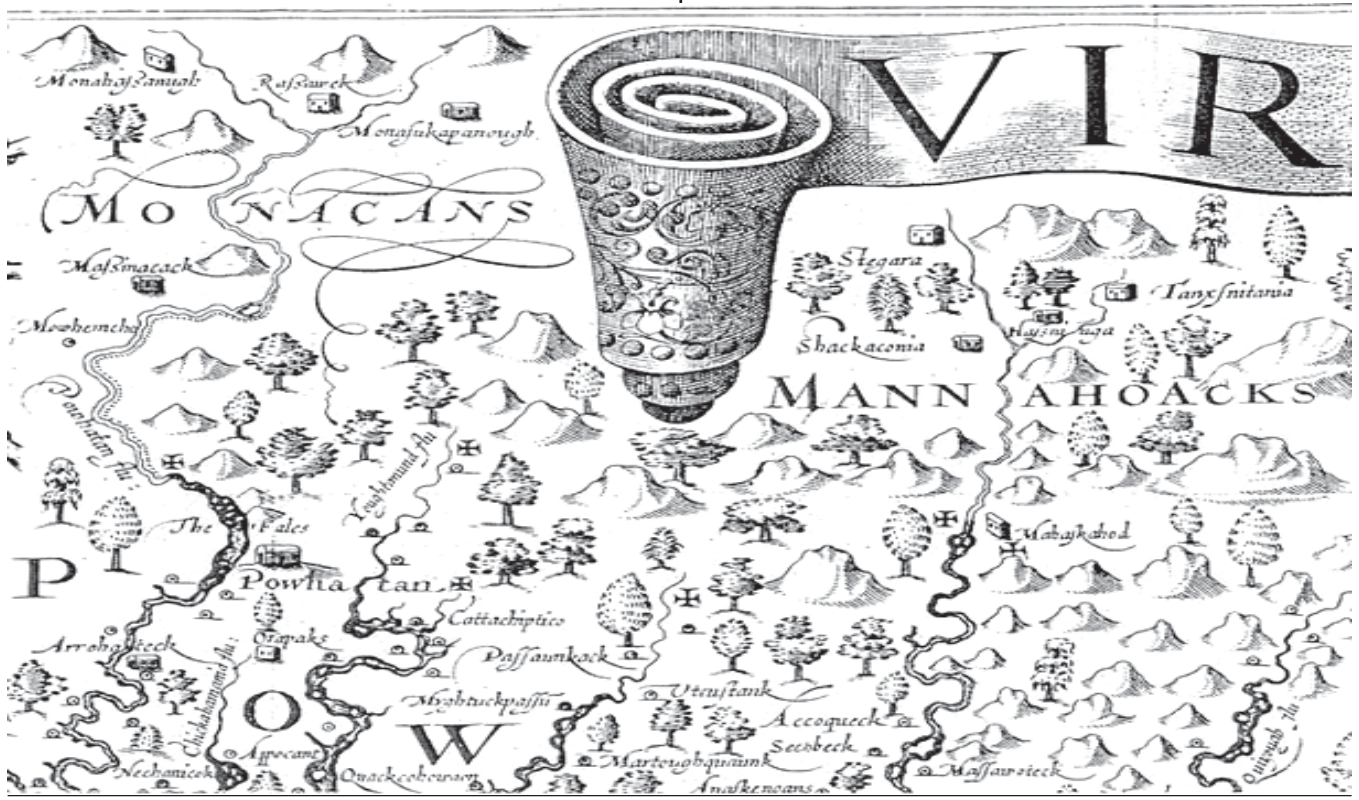
See also:

Images of Early Maps on the Web

<http://ihr.sas.ac.uk/maps/webimages.html>

Below: John Smith's Map of Virginia

http://www.artsci.wustl.edu/~landc/images/maps/virginia_1.jpg





NEMO 2003

Upcoming Details

We will meet in the Boston area, June 12-13, 2003. Place and program to be announced soon! All details in the April 2003 *Newsletter*.

June 15-20, 2003 20th International Conference on the History of Cartography

For information, registration, visit: <http://www.ichc2003.org>; e-mail info@ichc2003.org; telephone +1 (207) 780-5951; Department of Conferences, University of Southern Maine, 68 High Street, Portland, ME 04101, USA.

The NEMO Newsletter

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We invite and welcome contributions and suggestions. Please submit materials to the editor using e-mail, 3.5" disk (PC or Macintosh (Word, RTF, or ASCII, tif, jpg)) CD-ROM, or by sending a typewritten document. Submissions and questions on submissions should be directed to:

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NEMO (North East Map Organization) is dedicated to serving as a unifying body for all who use, produce, collect, and market maps and cartographic information in the Northeast; increasing communication between all interested in maps; and working with state, regional, and national organizations and government agencies in dissemination of maps and cartographic information. NEMO's principal region is CT, DE, ME, MA, NH, NJ, NY, PA, RI, VT.

Newsletter Subscriptions are included with NEMO membership, which is fifteen dollars per year. Back issues are available at the NEMO Web site.

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fax: 509-461-4285

email: nemo@mapville.com
web: <http://www.mapville.com>

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