

# ELECTRONIC MAPPING

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## Census 2000

The Census Bureau's American Factfinder has added an option that allows you to search for Census information based on a street address. From the Factfinder homepage at <http://factfinder.census.gov>, click on "Enter a street address to find Census 2000 data." From the next screen you can enter the address you're interested in; help and explanations of Census geographies are available. The search results return a list of Census geographies that contain the street address entered, including county, tract, block group, block, voting district, place, and congressional and legislative districts.

Once you've selected a geography, you have the option to get a map displaying the area. It does not display specific locational information for the area you've selected (no red "x" showing your house), but shows the larger geographic area selected. As of late May, Census information was only available for Washington State on a county level, so if "county" was selected, options were returned not only for locational maps of the area, but for tables of demographic information (in PDF format), thematic maps, and quick tables. Presumably, this feature will soon allow you to retrieve demographic information at all geographic levels.

## ESRI Data & Maps 2001

The latest version of ESRI's standard dataset package is being shipped with ArcGIS 8.1. This six-CD set is organized much like the previous CDs, with major divisions for the world, Mexico, Canada, the United States, and Europe. New in this version of the CD is a projection file for each dataset, as well as ArcView legend files and FGDC metadata files for each coverage.

Most datasets are current as of 2000, and for the world include major administrative boundaries, roads, and cities; world time zones and UTM zone boundaries; world ecological regions, a Landsat shaded relief image, and a world topography and bathymetry image; and demographics from CountryWatch, including items for geography, population, economy, and environment. Canada's newest territory, Nunavut, is included in the Canadian data.

For the United States, data includes 5-digit zip code boundaries, 1990 Census demographics and 2000 Census projections from CACI International, state plane zones, USGS topographic quad indexes (1:24K, 1:100K and 1:250K), and various cultural features from the USGS Geographic Names Information System (GNIS). A North American digital elevation model (DEM) is also included.

This version also includes the StreetMap USA CD, which is used for street display and geocoding for the United States. The ArcGIS StreetMap extension is required to get the full functionality out of the data, but display of most of the data is available without the extension.

## **David Rumsey Collection**

The David Rumsey online map collection ([www.davidrumsey.com](http://www.davidrumsey.com)) continues to grow, and in March added 1,406 maps to the website. Included in the additions are the first Rand McNally atlas of the United States, from 1879; 23 maps from the General Land Office for the Western United States, from 1866; an eight-foot tall, six-sheet wall map of South America, by Aaron Arrowsmith in 1811; and the first official map of Massachusetts, from 1801.

The collection, which features 18<sup>th</sup> and 19<sup>th</sup> century North and South American cartographic materials, includes atlases, globes, charts, and maps. Maps are scanned full-size and compressed before being presented on the web with an image viewer. The small size allows for relatively quick viewing, panning, and zooming of the images. Multiple images can be viewed at once side-by-side, views of the images can be printed, and images can be downloaded for local reproduction using the java version of the viewer. To do so, you may need to download the java client free from the davidrumsey.com website. After finding an image that you're interested in, click once on the image thumbnail to select it. Click on "file," then "export selected". You can then choose the resolution you'd like in number of pixels, and can then save the image to your hard drive.

## **Land Cover Information**

There are several sites available for land cover information, in both tabular and GIS-based formats. I've selected four here that are useful for our academic library patrons.

The USGS Land Cover Characterization program contains land cover information for each state and 10 regions of the U.S., derived from Landsat thematic mapper data. The site, at [http://edcw2ks15.cr.usgs.gov/lccp/states\\_regions.asp](http://edcw2ks15.cr.usgs.gov/lccp/states_regions.asp), returns a list of 21 categories (such as water, evergreen forests, bare rock, low and high density residential, etc.) in square miles, along with the total. On the left side of the page is a snapshot of the Landsat image used to create the statistical information. The information here is presented in table format only.

For GIS-compatible land cover information for the United States, there are several sites that can be used. The National Land Cover Data Availability page, at <http://edcwww.cr.usgs.gov/programs/lccp/mrlcreg.html>, displays final and preliminary products for the contiguous United States. For the Eastern states, the final product is available for order, and you can download a readme file, the FGDC-compliant metadata, and the 8-bit binary file containing the data. For the rest of the country that has preliminary products only (meaning accuracy assessment has

not yet been completed), the readme, FGDC metadata, and 8-bit preliminary file are all available for download.

Another site with land cover information is the Land Cover Digital Data Directory for the United States, at <http://www.epa.gov/OWOW/watershed/landcover/lulcmap.html>. Covering all 50 states, this site from the Environmental Protection Agency includes links to sites with partial state coverage, full state coverage, multi-state coverage, and national coverage. Included is the 1:250,000 land use/land cover data from USGS, various state GAP program data, as well as description and contact information for local agencies that may have produced statewide land cover data.

One final site that is useful for land cover characterization for large areas is the Global Land Cover Characterization Project, at <http://edcwww.cr.usgs.gov/programs/lccp/globalandcover.html>. The site includes links to datasets on a global and continental basis. Several types of files are listed, derived from different methods, and a readme is provided to give users the background information needed to pick the best version for their uses.

### **New Distribution Media for USGS**

One last tidbit. The USGS Eros Data Center is now distributing various datasets on DVD. The price for data on DVD will include a \$60 base charge, the price per file selected, and a \$5 handling charge per order. DOQs will be the first dataset available on DVD; a single DVD will hold up to 84 black and white 3.75' DOQQs (CDs can hold up to 15). Other datasets will be available on DVD in the near future, according to USGS.

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[ [Top](#) ]

# NEW MAPS AND BOOKS

Fred Musto, Yale University

## New Maps

### Iceland

As warmer weather approaches, my cartographic thoughts often lean toward colder places. There aren't many colder spots than Iceland, but there are some excellent maps available for that area. Mál og menning is a Reykjavik-based publisher that has recently begun issuing maps of the country using updated and reformatted base mapping purchased from the Iceland Survey (Landmaelinger Island). They offer a four-sheet set of topographic maps covering the whole country at 1:300K with contour lines at 100-meter intervals, and up-to-date road and tourist information. On the reverse of the maps are text and photographs highlighting some of Iceland's scenic locales. (As testament to their quality, the maps won the prize for best cartographic map series at the International GIS Congress in San Diego last summer.)

Mál og menning also produces a nice shaded-relief touring map at 1:600K, showing vegetation areas, road distances, campsites, "swimming pools" (never too cold for a dip), and, on the reverse, more photos and details on Iceland's natural wonders. For a more scientific audience, they have tectonic, vegetation, and geological maps, each at 1:500K. The maps are available from OMNI Resources at \$14.95 each for the four topos, and \$16.95 for the touring and scientific maps. More information can be found at: ([www.mm.is/Kort](http://www.mm.is/Kort)).

### ITMB Again

For good quality travel and reference maps of foreign countries, the ITMB products are hard to beat. Well-produced and reasonably priced, they would be a good first choice for smaller map collections trying to put together a comprehensive collection of international maps. ITMB specializes in the "under-mapped" areas of Africa, Asia, and Latin America, though popular countries are not slighted. Some of the more exotic titles that have appeared in 2001 include new maps for Gabon (including Equatorial Guinea), Mozambique, Benin & Togo, Kenya, Estonia, Bali, as well as city maps of Lima and Istanbul. Most of the ITMB maps sell for \$8.95 (\$7.95 for the city maps) and are available from all major vendors.

### Philippines

United Tourist Promotions (UTP), a newish Philippines company, has begun a series of travel

maps of various locales in the islands. Available titles in the *E-Z Map* series include Angeles/Clark, Baguio/La Union, Boracay, Cebu, Davao, Laguna/Cavite, Makati, Metro Manila, Mindanao, Palawan, and Quezon/Ortigas. The smallish maps are all 18 x 24", folded to 4 x 9", and focus on tourist information, hotels, landmarks, attractions, etc. Not the most detailed or highest quality maps, but there's little else available that covers the same territory. And the price is right only \$7.95 each from OMNI ([www.omnimap.com](http://www.omnimap.com)).

I'll also mention here, rather than in the "New Books" section, UTP's *E-Z Philippines Travel Atlas*, the "No. 1 selling travel publication" in that country. The 103-page atlas looks much like the individual maps listed above, and includes some 70 national, regional, provincial, and city maps showing major highways, air and sea routes, historical sites, and other tourist attractions (unfortunately along with some advertising material). At least it's on nice glossy paper and reasonably priced \$19.95 from OMNI.

## **Inland Passage**

Fine Edge Productions, a Washington-state firm specializing in nautical books and sailing guides of the west coast, has recently issued a two-map set of the scenic Inside Passage (also called the Inland Passage) waterway from Puget Sound to southeast Alaska. The *Inside Passage Route Planning Map, North Portion* covers Northern British Columbia and Southeast Alaska; the *South Portion* runs from the Columbia River and Puget Sound to Grenville Channel, British Columbia. The maps measure 24 x 60" and are available folded for \$24.95 each; flat (rolled) for \$19.95; or laminated for \$29.95. More information at their web site ([www.fineedge.com](http://www.fineedge.com)).

## **Canadian Election**

Natural Resources Canada has just issued another thematic map as part of the 5<sup>th</sup> edition of the *National Atlas of Canada. Canada - The 37<sup>th</sup> Parliament* shows the membership of Parliament after the general election of November 2000. The 29 x 56" sheet has a table listing the elected members of the Senate and House of Commons, with their political affiliation, electoral district, and detailed voting statistics. The map itself, at 1:7.5M, measures 28 x 33" and shows all electoral districts colored by winning party, with 27 insets of urban areas with districts too small in area to display clearly on the large map. The 1997 and 2000 election results by province and territory are also summarized on a chart. The map, numbered MCR 0196, can be purchased at the National Atlas web site for \$10.75. ([www.atlas.gc.ca](http://www.atlas.gc.ca))

## **Britain By Road**

Great Britain's Ordnance Survey has recently issued a new series of eight road maps covering the entire country at 1:250K. OS products are usually very well done, and these are no exception. Road types are color-coded; distances between towns are shown; and tourist information is included. The maps also show elevation and steep gradient information, helpful to "long distance cyclists and caravanners." The map key is translated into French and German, and the map covering Wales also includes a key in Welsh. The 37 x 50" folded maps, numbered from 1 (Northern Scotland) to 8 (South East England), generally follow a north to south pattern, and have replaced the Travelmaster series maps numbered 2 to 9. A useful set for any collection, they're available from Map Link for \$9.95 each. More info at the OS web site ([www.ordsvy.gov.uk](http://www.ordsvy.gov.uk)).

## Pearl Harbor

As I write this column, the movie *Pearl Harbor* has just opened, one of many media events that will mark the 60<sup>th</sup> anniversary of the U.S. entry into World War II. One nice contribution to the cartography front is the *National Geographic Pearl Harbor Commemorative* map, a two-sided poster map that illustrates what happened on December 7, 1941. The front contains a three-dimensional map of Oahu showing the directions of the attack; a photograph of Pearl harbor identifying locations of ships; and archival photos and text describing events. The reverse is a reproduction of "Theater of War in the Pacific Ocean," the map supplement to the February 1942 issue of *National Geographic*. An interesting historical piece, available for \$14.95 from the NG Store ([www.nationalgeographic.com/](http://www.nationalgeographic.com/)), or for only \$12.95 from Map Link.

## New Books

*New England in Early Printed Maps, 1513 to 1800: An Illustrated Cartobibliography*. Barbara Backus McCorkle. Providence: The John Carter Brown Library, 2001. 354 p. \$185 (ISBN: 091661753X). This much-needed guide to early New England mapping has been in the works for some time. It was worth the wait. McCorkle, the former curator of the Map Collection at Yale, has compiled a chronological listing of some 800 maps from the early 16<sup>th</sup> century to the end of the 1700s that show the area now called New England. Each entry has complete bibliographical information, with source, references to secondary works, notes, and locations. A major plus is the large number of illustrations, over 450 black and white images showing all the major variations and editions of the maps. The book also includes a nice chronological list of individual state maps, indexes by map title and "Persons Associated with the Making of the Maps," and a bibliography of reference works. The coverage is much larger than "New England" might indicate, since many of the early entries are actually maps of the eastern part of the continent. One might have wished for larger size reproductions, and some in color, but the decision was evidently made to sacrifice a coffee-table-book look for the inclusion of a much larger number of illustrations. It's still a very expensive item, but something that should

be in all collections. Order from The John Carter Brown Library, Box 1894, Providence, RI 02912.

*Frontier Metropolis: Picturing Early Detroit, 1701-1838.* Brian Leigh Dunnigan. Detroit: Wayne State University Press, 2001. 247 p. \$125. This beautiful book by the Curator of Maps at the Clements Library of the University of Michigan takes the prize for most stupendous production of the year. With an enormous page size of 13 x 18" and wonderful color illustrations beautifully reproduced, this is an iconography of Detroit from the founding of Cadillac's settlement until the advent of photography. Each of the seven chapters has an introduction providing historical context for the period, followed by the images arranged year by year. Every image is accompanied by substantial text describing and commenting on the illustration, and full bibliographic information is also provided. Naturally, many of the approximately 300 images are maps, with plans, views, etc. also heavily represented. For the earlier periods, up to about 1812, "Detroit" encompasses a larger area than the city itself. While the subject may seem a little narrow for some collections, the quality of the images and text make it a valuable addition. And this is one case where production values justify the cost.

*Bushmanders and Bullwinkles: How Politicians Manipulate Electronic Maps and Census Data to Win Elections.* Mark Monmonier. Chicago: University of Chicago Press, 2001. 208 p. \$25 (ISBN: 0226534243). Prolific geographer Monmonier's latest book, with a somewhat unfortunate title, is basically the story of political cartography, gerrymandering, and the redrawing of congressional districts. It appears a little late to catch the presidential election interest, but should prove useful to political junkies following the redistricting and reallocation of House seats that occurs after each census. As the author states, the book is written from the perspective of a cartographer rather than a political scientist, and one objective is to show the variety of plausible remappings of districts. It's not one of those visually enticing map-related publications normally reviewed here, and has just enough small, gray scale maps to illustrate the author's points. An interesting if not necessary addition to most map collections.

## **New Road Atlases**

There seems to be no end to the making of road atlases, and one wonders sometimes what publishers can do to make their product stand out among many competitors. I suspect most users have a long-time favorite, such as the standard AAA or Rand McNally fare. But if you're looking for something a little different to add to your collection, or trying for completeness, there are several new products that bear consideration.

*National Geographic Road Atlas: United States, Canada, Mexico.* 2001 ed. (ISBN: 1572625465). National Geographic began issuing a road atlas under its name in 1998. Actually produced by MapQuest.com, it covers the same territory as other atlases, the major difference being its more colorful shaded-relief maps. It has a handy spiral binding, and a cover flap with legend and contents that serves as a page marker. The 168-page atlas sells for

\$16.99.

*MapQuest.com Road Atlas*. 2001 ed. (ISBN: 1572625759). MapQuest, producer of the National Geographic Road Atlas, has also just issued one under its own name, not surprisingly with mapping similar to the NG atlas. Claiming to be "The World's First Internet-Powered Road Atlas," its main selling point is a link to the MapQuest web site. Each atlas page has a "KeyPage" number which, when entered on the web site, links to an interactive map of the area shown on the atlas page. The online map has the usual zoom features, and such things as driving directions, a trip planner, "live traffic reports" for major cities, and city guides. Fun stuff perhaps if you're at your desk, but probably not much use when you're on the highway trying to decide what exit to take. The 144-page, saddle-stitched atlas is inexpensive, only \$7.99, and can be purchased at their web site ([www.mapquest.com](http://www.mapquest.com)).

*On the Road with NASCAR 2001 Road Atlas*. Minneapolis: Lawrence Group, 2001. (ISBN: 1583011110). Stock car racing, the fastest growing major sport, isn't just for good ole boys anymore. So what could be more natural than a NASCAR road atlas from the producers of the SportsMap line. Beside the usual road maps of the U.S., Canada, and Mexico, inset city maps, mileage charts, etc., this "officially licensed" product includes diagrams of NASCAR tracks, locations of Winston Cup races, and "NASCAR trivia." The maps aren't the greatest, and not detailed enough to get you to the front gates of the tracks, but this would appeal to fans of Jeff Gordon or the recently departed Dale Earnhardt. The perfect-bound atlas sells for \$10.95 from MapLink, or directly from ([www.lawrencegroup.com](http://www.lawrencegroup.com)).

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[Top](#)



## A FURTHER ELABORATION ...

Omitted from the "USGS Geologic Atlas Folios" article in the April *base line* were the Superintendent of Document (SuDoc) Call Numbers for these publications. Some libraries may find this useful in tracking down all their copies of these volumes. Library editions would likely be stored on folio shelves or in map files, and Field editions would likely be shelved with regular octavo books, perhaps in a government documents collection.

Library edition: I 19.5/1:[no.]

Field edition: I 19.5/2:[no.]

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## A FURTHER ELABORATION ...

In the April, 2001, issue of *base line*, in the article entitled "USGS Geologic Atlas Folios," there was a typo in the email address for Chris Thiry of the Colorado School of Mines. Chris's correct address is [cthiry@mines.edu](mailto:cthiry@mines.edu).

Furthermore, one more OCLC number should be added. Number 64 has a microfiche edition with OCLC number 13274987.

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Great Moments In Map Librarianship by Jim Coombs

