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base line

a newsletter of the Map and Geography Round Table

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MAGERT
Map and Geography Round Table

base line is an official publication of the American Library Association's Map and Geography Round Table (MAGERT). The purpose of ***base line*** is to provide current information on cartographic materials, other publications of interest to map and geography librarians, meetings, related governmental activities, and map librarianship. It is a medium of communication for members of MAGERT and information of interest is welcome. The opinions expressed by contributors are their own and do not necessarily represent those of the American Library Association and MAGERT. Contributions should be sent to the appropriate editor listed below.

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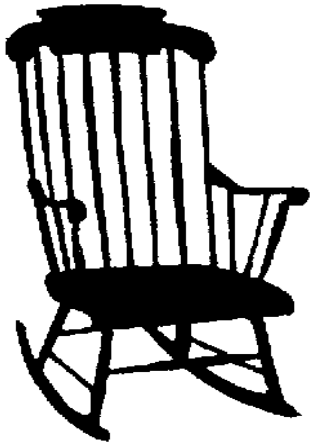
FROM THE CHAIR

Marcy Bidney, Pennsylvania State University



In the midst of what is a hectic time for all of us, I ask you to pause for a minute, take a deep breath, smell some of those spring flowers that are hopefully popping up outside and think about how you are going to spend some of your time at the ALA Annual Conference.

Hopefully some of that time will be spent at the MAGERT program *"There's a Map for That: Maps and Tools You Didn't Know About"* which is being held on Saturday, June 25th at 1:30 p.m. Another program of interest which we are co-sponsoring with RUSA's History Section is titled *"Maps for History: Using Maps to Make Your History Collections More Visual,"* also on Saturday, June 25th at 1:30 p.m. We will also be holding our regular schedule of committee meetings and discussion group sessions and I am looking forward to seeing many of you there!

Friday afternoon we will be touring the Historic New Orleans Collection. The Historic New Orleans Collection is a museum, research center, and publisher dedicated to the study and preservation of the history and culture of New Orleans and the Gulf South region. Join us for what will be an interesting and educational tour and dinner afterward. The annual awards reception will be held on Saturday evening. I am working on arrangements with the Crescent City Brewhouse for the reception – stay tuned for more details on both of these events as we get them worked out.

Finally—a reminder to vote. We have two important issues on the ballot—the proposed name change and the bylaw updates. Please take the time to review these two proposals and vote so your voice can be heard in the proposed changes. Also on the ballot are two officer positions—Vice Chair and Treasurer. Up for Vice-Chair is Tracey Hughes, the GIS Coordinator and San Diego Technology Archive Project Manager at the University of California, San Diego Libraries. Up for Treasurer is Paige Andrew, Maps Cataloging Librarian at Penn State University.

Until June,
Marcy

ON THE CATALOGING/CATALOGUING FRONT

Tammy Wong, Library of Congress

ALCTS CCS/MAGERT Cartographic Resources Cataloging Interest Group
ALA Midwinter Meeting, San Diego, CA
Sunday, Jan. 9, 2011

Louise Ratliff, Chair of the Interest Group, opened the forum with a round of introductions. Answers were offered by anyone in the room who could offer insight into the problem(s) under discussion.

The meeting launched immediately into the first topic of discussion – RDA. The group discussed experiences with testing and issues of cataloging cartographic resources using RDA.

Chris Winters from the University of Chicago Library contributed 600 RDA map records to OCLC.

Nancy Kandoian brought printouts of RDA records for discussion.

Ratliff reminded partipants of an online discussion forum for map catalogers to address RDA issues. The name of the online community, started by Mary Larsgaard, is called "MAGERT Cartographic Resources and RDA." One does not have to be a member of ALA to participate in the forum. To create an account, go to http://connect.ala.org, near top of left hand column, select "Create new account."

Questions on RDA cataloging first focused on the addition of relationship designators on 1XX and 7XX fields. Participants were concerned that the available relationship designators in Appendix I (Relationship between a resource and persons, families, and corporate bodies associated with the resource) do not fully capture many of the roles and responsibility of the government agencies, organizations, private companies, individuals, or combination of individuals who are responsible for the creation of the map.

Relationship designators are not LC RDA core elements for the RDA Test, but they are core-if elements when needed to distinguish one name from another with the same name to avoid a conflict.

Min Zhang commented on the involvement of LC G&M in the RDA Test. The Cataloging Team has completed its work for the LC RDA Test. Four individuals participated in creating 20 extra original records in cartographic materials using RDA.

The Team noted relatively few difficulties during the testing. In regard to the use of existing authority in RDA Test, when the AACR2 and RDA forms of the authorized access point are the same, LC records the RDA form in field 7XX in an AACR2 authority record with second indicator 4 by copying and pasting the 1XX field as the 7XX field. When AACR2 and RDA forms of the authorized access points are different, LC gives the new RDA form in field 7XX, and uses the RDA form in the authorized access point in the new RDA bibliographic record.

The AACR2 General Material Designation (GMD) in 245 $h is replaced by three elements in RDA: Content, Media, and Carrier types. The MARC 300 field includes RDA elements describing the carrier and content of the expression.
336 - Content Type (RDA 6.9, an RDA core element for the expression)
337 – Media Type (RDA 3.2, an LC core element for the manifestation)
338 – Carrier Type (RDA 3.3, an RDA core element for the manifestation)

For example, a computer disc of scanned map images will be described by a combination of the three 33X fields.
336 ## $a cartographic image $2 rdacontent
337 ## $a computer $2 rdamedia
338 ## $a computer disc $2 rdacarrier
One participant suggested that a lookup sheet be created to facilitate a quick lookup of the new 33X codes for the different types of cartographic resources such as printed atlases, sheet maps, CD-ROMs etc.

Is it possible to search the OCLC database for RDA records? One can identify RDA records from some leader byte, 040 is coded $e rda and $b eng. There are a number of new fields that are likely to be found in RDA records, e.g. fields 336-338.
Jay Weitz pointed out that with the new cataloging codes RDA, hierarchical connections between materials types in OCLC are not yet established. There is potential of restructuring the hierarchical structure and filling in the gaps identified in RDA, thereby turning the material types into usable facets for retrieval with the support of conceptual model of FRBR.

The second topic of discussion was genre/form headings.

Cartography genre/form headings were implemented in September 2010. SACO members may now submit genre/form terms for cartographic materials via online genre/form proposal form:
http://www.loc.gov/catdir/pcc/genre/genreform.html

The authorized cartographic genre/form headings may be viewed via structured subject headings subject browse in *Classification Web* by searching for genre/form heading **Cartographic materials** and drilling down through the hierarchy. One can browse and view authority headings of genre/form through the Library of

Congress' authorities website (http://authorities.loc.gov/), and through its SKOS-based Authorities and Vocabularies website (http://id.loc.gov/).

The scope note for genre/form heading **"Globes"** is now expanded to cover both terrestrial and planetary globes, which means Earth, other planets, or celestial bodies. Genre/form headings **"Lunar globes"** and **"Celestial globes"** have been canceled. For books about globes, assign 650 Globes.

Genre/form heading **"Early maps"** should be applied to same works that receive the subdivision $v Early works to 1800. A scope note has been added to **"Early maps"** to clarify the time coverage.

"Plat maps" and **"cadastral maps"** are so close in meanings that it is hard to determine when to use the headings. PSD has decided to cancel **"Plat maps"** in favor of **"Cadastral maps,"** because the latter heading is slightly broader in scope.

"Geological maps," "Manuscript maps," and **"Remote-sensing maps"** are now approved genre/form headings.

The next question, raised by Paige Andrew, concerned the ordering of geographic, topical, and genre/form headings in the subject area. In cases where the classification number reflects a particular genre or form and is not brought out in the first 650 or 651, should we place the genre/form heading ahead of 650 and 651?

For example,
050 G3821.E635 2000 .P4
651 Pennsylvania $v Maps.
655 Tourist maps.

The concensus is that as we enter the age of faceted searching and computer filing, the ordering of the subject headings is becoming less significant. Geographic heading and topical heading with geographical subdivision would still be okay to be placed ahead of 655 in this case.

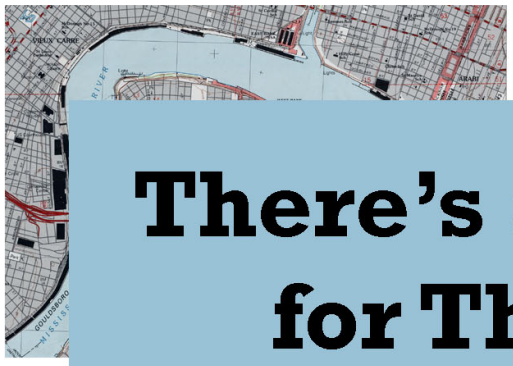
The last topic of discussion was integration of mapping with Web 2.0 and 3.0 technologies and the explosion of mash-ups in the Web environment.

Adding geographic coordinates of bounding box of sheet maps to bibliograhic records, georeferencing scanned maps, or adding coordinates in the geographic subject headings, will possibly facilitate retrieval and display of bibliographic records in Web browser using Web 2.0 technologies.

If map catalogers provide a rough idea of what the latitude and longitude of bounding boxes are (preferably in decimal degrees), the coverage of maps could be displayed in an interactive map, showing how many maps are available in a certain geographic area. Web 2.0 social networking could also help with creating

collaborative descriptive metadata in contrast to traditional subject indexing.

Paige Andrew commented that Penn State University has a policy of giving coordinates in the bibliographic record even though they are not readily available on the map.



ALA Annual Conference 2011
New Orleans

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Maps and Tools You Didn't Know About

Join us Saturday, June 25
1:30 pm – 3:30 pm

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Have you ever felt stumped by a patron asking for a map?

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searching for digitized maps,

using interactive maps, and

creating your own maps online.

New Maps and Cartographic Materials, Along with Other Items of Interest

David J. Bertuca, Map Librarian
University at Buffalo Libraries Map Collection

It's been awhile, but the world of maps hasn't slowed down any. I saved my last column so that Steve could focus on the Midwinter reports in the February issue. Instead of using the items I was preparing for February, I have been at work to review a whole bunch of new titles (my policy is to not save unused reviews until the next issue, but to start with new ones each time—however, I may find use for those in another form in case you want to read more).

Lots of new maps, books, atlases, and discoveries are online. I think that you will find more than a few interesting topics here. Happy spring!

Population Change Resources

"Every day more than 225,000 people are added to the planet. Every day approximately 100 other species go extinct."—Population Media Center *Annual Report, 2009/2010*.

"Asia accounts for over 60% of the world population with more than 4 billion people. China and India together have about 41 percent of the world's population. Africa follows with 1 billion people, 15% of the world's population. Europe's 733 million people make up 11% of the world's population. North America is home to 352 million (5%), Latin America and the Caribbean region to 589 million (9%), and Oceania/Australasia to 35 million (less than 1%)."—Worldstudentseducation.com.

What began as a simple search to find a citation, ended up striking a number of population-related resources. The above note reveals the basics, while the following are graphically more descriptive. This list is a very short selection of available data on population:

2009 World Population Data Sheet (Population Reference Bureau).
http://www.prb.org/pdf09/09wpds_eng.pdf

Here is a published source of figures on World population that can be cited by students and demographers. The Bureau's site (http://www.prb.org/) has a wealth of data available.

U.S. POPClock Projection
http://www.census.gov/population/www/popclockus.html
The Census Bureau maintains this visual site that features dynamic population

growth in the U.S. The following paragraph from the page gives an idea of how fast the "clock" is going.

According to the U.S. Bureau of the Census, the resident population of the United States, projected to ***March 25, 2011 is: 311,045,333.*** *This equates to:*

- *One birth every 8 seconds*
- *One death every 11 seconds*
- *One international migrant (net) every 45 seconds*
- *Net gain of one person every 16 seconds*

Historical National Population Estimates
http://www.census.gov/statab/hist/HS-01.pdf

This is the starting point for data gatherers on U.S. and world population change. It provides historic data as well as current and future projections.

Historical Estimates of World Population
http://www.census.gov/ipc/www/worldhis.html

For studying past population, this page provides a table covering the period from 10,000 BCE to 1950. It provides estimates (high/low) from various sources, along with a bibliography. The data could be plotted on a graph and can be used for historic population studies.

International Data Base (IDB)
http://www.census.gov/ipc/www/idb/

The IDB is a resource that offers similar population data as the U.S. ones above, but for all countries, and the world as a whole. Included on its site are:

- Country Rankings
- Largest countries for any year, 1950 to 2050.
- World Population Information
- Global population trends, links to historical population estimates, population clocks, and estimates of population, births, and deaths occurring each year, day, hour, or second.
- Data Access: Obtain tabular data for countries and regions as well as demographic indicators, population pyramids and source information for countries.

Worldometers.info
http://www.worldometers.info/

"World statistics updated in real time."—Website subtitle. Similar to the U.S. POPClock, this page contains not only world population, but also additional vital statistics on topics, such as education, spending, government, and more. The statistical sums are displayed and keep moving based on estimates from reliable

sources.

Here is a brief selection of some of the themes that are being counting here (visit the page for the full list—it is worth viewing). I included topics that are relevant to information specialists:

- Education expenditure by governments worldwide today (US$)
- Computers sold this year
- New book titles published this year
- TV sets sold worldwide today
- Cellular phones sold today
- Internet users in the world
- Email messages sent today
- Blog posts today
- Google searches today

Before you go, one final note on population growth; it's not indicative of land use. I just located a neat map by accident and thought you might enjoy seeing it. The map is shown on a blog. It shows the population of **New York boroughs compared with entire state populations**. It is a little mind-boggling to compare land mass and population in this way. See: http://www.verysmallarray.com/?p=419#comment-7993.

On a national comparison, the next site shows how the "**Center of U.S. Population**" has moved since we became a country: http://www.census.gov/geo/www/2010census/centerpop2010/centerpop_mean2010.pdf

For a full idea about U.S. population center data and maps, visit this **U.S. Census FAQ** page: https://ask.census.gov/app/answers/detail/a_id/712

This shows population by "mean" and "median" calculations. For a map showing the two calculations, along with the geographic center of the United States, visit: http://en.wikipedia.org/wiki/Geographic_center_of_the_United_States

For **geographic centers of individual states**, go to the USGS: http://egsc.usgs.gov/isb/pubs/booklets/elvadist/elvadist.html#Geographic%20Centers

This appears on their **Elevations and Distances in the United States** page: http://egsc.usgs.gov/isb/pubs/booklets/elvadist/elvadist.html

And while I am at it, here is the link to the **2010 Census Data**: http://2010.census.gov/2010census/data/

Be sure to mouse over the U.S. map on the main page. Each state's population makeup appears.

Maps

Ferrigno, Jane G. ... [et al.] ***Coastal-Change and Glaciological Map of the Ross Island Area, Antarctica, 1962-2005.*** [Reston, Va.]: U.S. Dept. of the Interior, USGS, 2010. (ISBN: 9781411324770). *(Geologic investigations series; map I-2600-I.* 1 map: col. ; 59 x 90 cm., folded to 25 x 29 cm., in envelope 30 x 34 cm. + 1 pamphlet (iv, 23 p. ; 28 cm.) Scale: 1: 1,000,000.

Much attention is drawn to the North Polar Region of the world, while the South Pole receives too little. When studies are done they are always welcome, and this map with its accompanying pamphlet provide the geologist and others with primary materials to assist their research.

Relief is shown by contours, spot heights, and shading. The map includes text, a graph, 6 index maps, and inset of "Part of the McMurdo Dry Valleys region enlarged to show glacier detail." Both map and booklet include bibliographical references.

New ITMB maps

International Travel Maps (http://www.itmb.com/) is always producing high-quality useable maps of countries and regions of the world. I recently purchased a number of new titles (and several semi-recent) and review a selection of the more unusual titles I received. All are valuable assets for any map collection and also for travelers (their main purpose). Titles for 2011 include:

Barbados, Estonia & Tallinn, Ethiopia, Ghana, Indonesia, Japan, Kenya, Mexico South, Mexico: Baja California, Pakistan, Patagonia & Tierra Del Fuego, Peru, Russia, Tanzania, Trinidad & Tobago, Tunisia & Libya, Turkey, USA Central / Mississippi River States.

Titles I reviewed are typical of ITMB quality:

Joyce, Lan Dieu Dinh. ***Greenland & North Pole, scale 1:3,000,000/9,000,000.*** Richmond, BC: ITMB, 2010 (ISBN: 9781553418412). 2 maps both sides, col. ; 99 x 68 cm. and 69 x 99 cm., sheet 99 x 69 cm., folded to 25 x 11 cm.
For environmental and Arctic studies scholars, the two maps on this sheet are valuable. The front side shows Greenland (Kalaallit Nunaat) in its entirety and

uses color to show land, ice-bound features, and elevations. Spot heights are also given. Settlements and towns, fjords, bays, and water features, air and seaports, points of interest, and other features are included. Photographs and annotations describe historic and geographical aspects of the country. Names are given in English, Danish, and in some cases, Greenlandic (native).

On the verso is a reproduction of a Canada government map: *North Circumpolar Region. = Région circumpolaire-nord (Atlas of Canada Reference Map Series; MCR0001)*. This map shows the entire Arctic region, to about 55 degrees North latitude. Relief is shown by shading and bathymetric tints. This map is in English and French.

Both maps put a large-size view of this important, but often poorly mapped region.

Indonesia: Scale 1:2,400,000. 2nd ed. Vancouver, B.C.: ITMB, 2011 (ISBN: 1553412494). 1 map: both sides, col.; 74 x 191 cm., on sheet 67 x 100 cm., folded to 25 x 11 cm.

Indonesia covers a large expanse of ocean with an infinite number of islands and archipelagos. Its size is difficult to put onto one map with any amount of resolution, but this map comes close. While it would have been great if the map were printed all on one side, the dimensions of the map would have made it unwieldy. Since this is designed as a 'tourist map' two sides works fine.

Scale is large enough to see quite a bit of detail and color use is attractive and easy to view. Cities and towns, major land and water features, major roads and shipping lanes are displayed. A map index and additional annotations make it easy to locate places.

Malawi & Mozambique: scale 1:900,000/1:1,900,000 = Moçanbique e Malawi: escala 1:1,900,000/1:900,000. 5th ed. (Malawi), 2nd ed. (Mozambique). Richmond, BC: International Travel Maps, 2010 (ISBN: 9781553413080). Scale 1:900,000. 2 maps on 1 sheet: both sides, col.; 99 x 58 cm. and 99 x 68 cm., sheet 99 x 69 cm., folded to 25 x 10 cm.

Representative of the many ITMB country maps, this contains well-designed cartographic data, with color and ease of use in mind. Usual features are shown, including roads, rivers, cities and towns, general terrain, and others. Insets include maps for key cities in both countries. Notes and annotations add useful details. An index to cities and features makes it easy to locate by the grid. Color photographs and additional text highlight tourist favorites and gives a nice touch to the maps.

These two titles are older but cover key regions in environment studies today:

Amazon, Scale 1:3 300 000. 5th ed. Vancouver, B.C.: ITMB, 2008 (ISBN: 9781553410621). 1 map: both sides, col.; 94 x 118 cm., on sheet 94 x 69 cm., folded to 25 x 11 cm.

The Amazon Region covers not only a large portion of Brazil; it also includes parts of Bolivia, Colombia, Ecuador, Peru, Suriname, Venezuela, and several smaller countries. Generally, maps of this region showed mostly the main river channels and tributaries. This two-sided map shows smaller tributaries, cities, towns, and settlements, roads, national parks, points of interest, and many other features. The addition of icons showing ruins and protected areas, among others, makes this useful for a variety of studies. Includes index of place names.

The use of color to indicate general elevation, and color choices for feature names provides ease of reading and an aesthetic quality. A map index on the panel shows map coverage along with coverage for other maps in the ITMB series.

Sahara, Scale 1:3,850,000. 2nd ed. Vancouver, B.C.: International Travel Maps, 2006 (ISBN: 9781553410225). Scale 1:3,850,000. 1 map: both sides, col., on sheet 97 x 69 cm., folded to 25 x 11 cm.

From deserts of ice in the North, to the deserts of sand in Africa, this title is a useful map for environmental and people-related studies. The Sahara is shown on two sides: a good amount of detail is depicted. Included are towns, settlements, points of interest, roads and desert tracks, and a large variety of other features (e.g., oasis locations, waterholes, parks, caves, and other places). Distinct sand regions and named terrain are identified making this more than a tourist/exploring map.

One thing that the map visualizes is that the Sahara is not a dead place. The vast sea of sand and rock is crisscrossed with established trails, settlements, and wildlife areas. These are graphically identified quite well on this map. Though this map covers the Sahara, it could almost be called a map of North Africa. The map reaches southward to The Sahel region.

The map is printed on a plasticized paper and is waterproof. Funny how the Sahara—a dry place—has a waterproof map, while the Amazon, which is very damp, doesn't.

This map is good for tourists and explorers of any age, and would be useful for environment and climate research, and anthropology and human geography studies, among other fields.

Facsimile Maps

Harvey, P.D.A., Westrem, Scott D. ***The Hereford World Map: Mappa Mundi.*** London: Folio Society, 2010. 1 map: col.; 143 x 120 cm. + 2 commentaries (108; lvii, 476 p. : ill. (chiefly col.), facsims. ; 28 cm.)

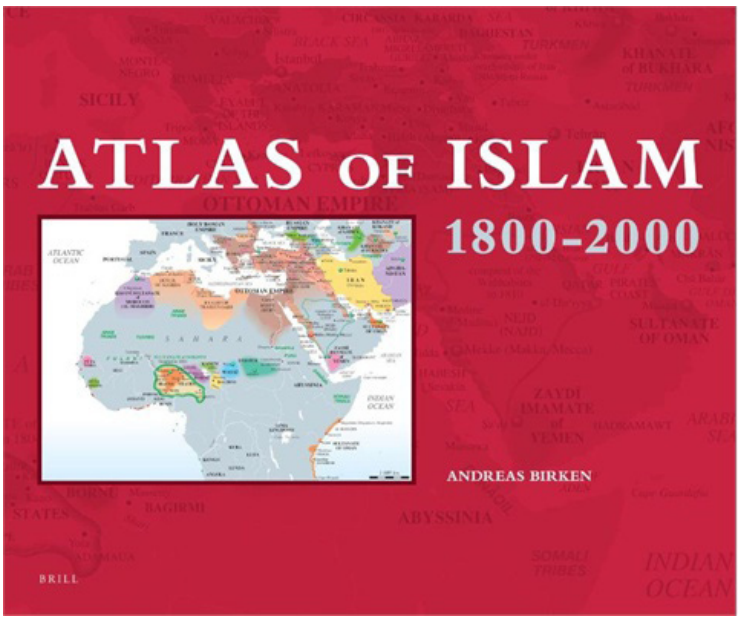
The Hereford World map is considered to be "the largest medieval map known to still exist." This reproduction is a full-color facsimile of the map, originally produced ca. 1300, and preserved at Hereford Cathedral, England. Only 1,000 numbered copies are available for sale to members of The Folio Society. Issued in fabric-lined wooden map box (14 x 128 x 14 cm.). The two accompanying commentaries are: *The Hereford World Map: Introduction* and: *The Hereford World Map: a Transcription and Translation of the Legends With a Commentary*.

It may be hard to obtain a copy of this facsimile but it is interesting to find that rare maps are still being reproduced. For a view of the original, see the **Hereford Mappa Mundi page:** http://en.wikipedia.org/wiki/Hereford_Mappa_Mundi.

Disturnell, John, [J.H. Colton & Co.]. ***Climatological Map of North America.*** [Denver, Colo.: Denver Public Library Imaging Services Lab], 2010. 1 map.: col.; 35 x 29 cm.

This map is a facsimile reprint of an 1855 edition by J.H. Colton & Co. It describes the climate zones from the frigid, through the tropical. Included data: temperature variations. It originally appeared in the book: *Influence of Climate in North and South America* in 1867. Relief is shown by hachures. The original was a hand-colored lithograph. It shows all of North America, including Greenland, down to the north edge of South America. It would make a nice display map.

Atlases



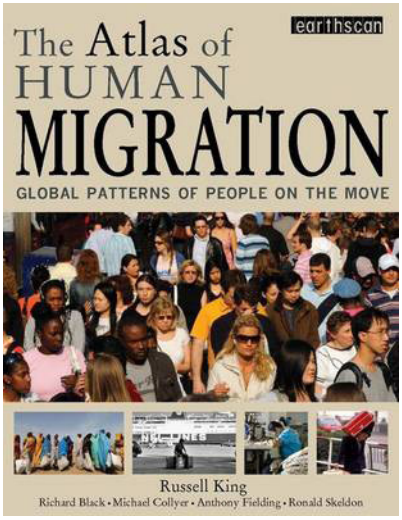
Birken, Andreas. ***Atlas of Islam 1800-2000.*** Leiden; Boston: Brill, 2010 (**ISBN:** 9789004184497). 1 atlas (viii, 126 p): col. maps.

Religions spread across the world, changing not only the devout but also the original residents. This atlas provides a historic and modern view of the Islamic faith, with included data on population, history and politics, religion, and economy. There are 70 color maps that cover a variety of maps sub-topics. Annotations are given in the first section of the atlas, with the maps in a separate section. Maps are clear and color is used well to help visualize data.

Maps cover the topics on global and local levels, showing both maps of the world and maps of regions (e.g., The Caucasus), or individual countries (e.g., Cyprus from 1960-2004). Sub-topics cover details, such as linguistic groups, migration, displacement, water supply, and others.

Where statistical data can be accompanied by tabular data, maps have this included in their margins. There is a lot of data in this atlas. History makes up the largest section of maps (43 maps). All provide a good graphic depiction of the data.

A transliteration table for the Arabic alphabet is included, as well as a place name index. This book would be useful for all ages from grade school through adult learner.



King, Russell ... [et al.]. ***The Atlas of Human Migration: Global Patterns of People on the Move.*** London: Earthscan, 2010 (**ISBN:** 9781849711500). 1 atlas (128 p.): col. ill., col. maps.

Note: this publication has also been published in the United States as: *People on the Move: an Atlas of Migration*. (ISBN: 9780520261242).

Population growth is not the only way that our nations grow or shrink in numbers; migration creates an additional factor in the equation. This atlas provides current, and historic views of the movement of people around the world. Using data from authoritative sources, the authors present this data in a series of chapters, with color maps and tables describing each theme.

The authors are from the Geography Department of the University of Sussex and the work is partly through the Sussex Centre for Migration Research (http://www.sussex.ac.uk/migration/) at the University. They are professors specializing in human geography and various aspects of population migration.

The data has been carefully examined to provide as accurate a count of the migrating groups as possible. The introduction describes the process and provides insight into the scope of the atlas. The first part of the book covers historic migration patterns, from as far back as research can define, up to contemporary movements. Included are “forced migrations” (slavery and indenture), Diasporas, migrations from war, poverty, and economic need, among others. The second part shows contemporary migration patterns and discusses causes and trends.

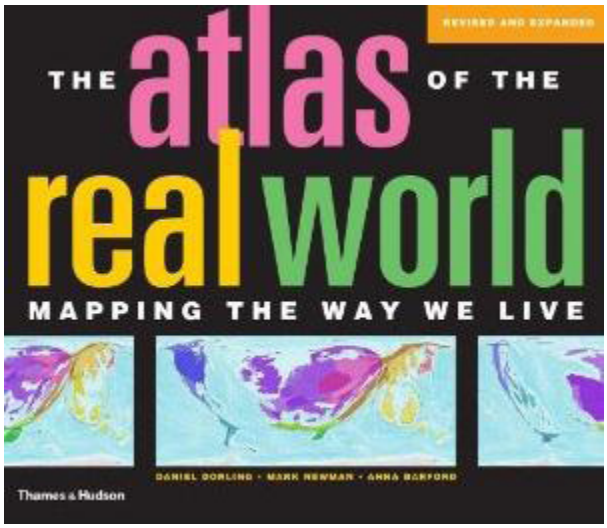
The third part of the atlas describes migrations by specific sub-themes (e.g., refugees, asylum seekers, return migrations), to show how populations move around as an effect of specific causes. This section (almost half of the book) is probably the most useful to current population studies. The causes of migration can be then tied to studies of those causes. It would also help future forecast studies.

The final part is the data itself, which is arranged by country and which also contains notes to migration policies of each country. A bibliographical list of sources and publications for the data used in the atlas follows the data. Web URLs are included where available.

The maps are well drawn with a clean design, using good contrasting colors. Migrations and movements are shown with lines and arrows, weighted to visually show numbers involved in each maps' theme. Legends are clear and easy to read. Additional cues are included on the pages and small data "facts" appear throughout. The index lists themes and smaller topics either by country, or by events (i.e., Indian Ocean Tsunami).

As with other Earthscan (http://www.earthscan.co.uk/) atlases, this is nicely printed, with good binding, and includes photographs and tables along with maps, making it visually interesting for the reader.

This atlas will be popular in libraries from high school through adult learner. There is also enough data for advanced or interdisciplinary studies in college.



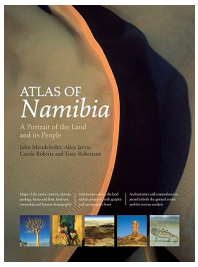
Dorling, Daniel Newman M.E.J., Barford, Anna. **The Atlas of the Real World: Mapping the Way We Live**. London: Rev. and Expanded ed. Thames & Hudson, 2010 (ISBN: 9780500288535). 416 p.: ill., col. maps.Last year I noted the website WorldMapper (http://www.worldmapper.org/countrycartograms), which creates cartograms from vital statistics to show the world in a more visual way (see: base line 31:2 (Apr. 2010): 12 / http://www.ala.org/ala/mgrps/rts/magert/publicationsab/baseline/31_2.pdf). The organizations that make up the WorldMapper project have been compiling cartograms and publishing them in print, in addition to showing them online. The atlas allows for off-line reading and comparison between maps. Included text provides summary information on the maps.

This atlas would be suitable for students of any age through adult reader.

Wittke, Anne-Maria, Olshausen, Eckart, and Szydlak, Richard. ***Historical Atlas of the Ancient World.*** Leiden; Boston: Brill, 2010 (ISBN: 9789004171565). *(Brill's New Pauly. Supplements; 3 = Neue Pauly. Supplemente; English; 3)*. xix, 307 p. maps (chiefly col.) ; 38 cm. English translation of: *Historischer Atlas der antiken Welt*.

Classical studies students will enjoy this new atlas of the ancient world that illustrates "the political, economic, social and cultural developments in the ancient Near East, the Mediterranean world, the Byzantine Empire, the Islamic world and the Holy Roman Empire from the 3rd millennium BC until the 15th century AD." There are 170 large color maps, each map with descriptive text. Included are bibliographical references. Also are included are 65 additional maps, tables, and other illustrative materials.

For studies in history, civilization, geography, and anthropology, relating to the Ancient world, the Mediterranean region and Middle East, this atlas is a good title to acquire. It offers scholarly text with good maps and would be useful for all ages of learners.



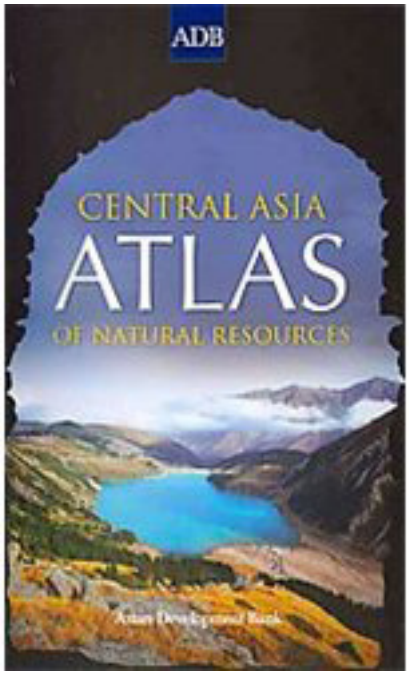
Mendelsohn, John ... [et al.] ***Atlas of Namibia: a Portrait of the Land and its People.*** [Cape Town]: Sunbird, 2010 (ISBN: 9781920289164). 200 p.: col. ill., col. maps.

This wonderful publication is a comprehensive atlas showing all aspects of Namibia, including maps and statistical data on population, land use, plants and animals, climate, physical geography and geology, and land use.

The book opens with a satellite view of the country, and introduces Namibia. Next are detailed topographic maps showing the country in sections. The rest of the atlas provides color thematic maps and illustrations, with data and a description of each topic within a theme. The maps and data are clear and well rendered.

This atlas would be useful to any level from student through adult learner.

Materials are presented at a level that will suit early readers while providing for more serious needs of scholars.



Central Asia Atlas of Natural Resources. Manila, Philippines: Central Asian Countries Initiative for Land Movement, Asian Development Bank, 2010 (ISBN: 9789715618861). 1 atlas: 212 p. col. ill., col. maps; 37 cm. (also accessible online: http://www.adb.org/documents/books/central-asia-atlas/central-asia-atlas.pdf).

Asia is vast, with a diverse population and landscape. Central Asia is one of the more remote, less-studied areas. This atlas provides a view of: Kazakhstan, the Kyrgyz Republic, Tajikistan, Turkmenistan, and Uzbekistan. Included in the publication are descriptions, with maps and tables, covering the region, and individual countries in terms of people, culture and history, natural resources, vital statistics, economic development, energy programs, and other topics.

Maps are featured throughout and include a variety of themes, and are distributed throughout the publication. A section of tables provide concise data on all the topics. These are followed by a good bibliography and a general index, plus a geographical index. Color photographs show the people, the land, flora and fauna, and human infrastructure.

This atlas, viewed either online or in print, provides excellent coverage of Central Asia from its arts and culture, to the economic progress and development of the region. It would be suitable for any student from grade school through adult and includes material for a wide array of disciplines. It takes Central Asia from its ancient Silk Road past to a developing region of the future.

Books

Dent, Borden D., Torguson Jeffrey, and Hodler, T.W. ***Cartography: Thematic Map Design.*** 6th ed. Boston: McGraw-Hill Higher Education, 2009 (ISBN: 9780072943825). Xvi, 336 p.: ill. (some col.), maps (some col.).

For anyone who wants to draw or create their own thematic maps, or for students studying to be professionals, this textbook offers a wealth of material. It is a good introduction to thematic maps for the average person who wants to understand the topic more clearly.

On the surface, this is a textbook for geography/cartography students, but it goes beyond this. The book is useful for learning the basics of maps in general, as well as the terminology, cartographic techniques, design elements, and other activities that go into map production.

Shown are concepts from map symbols, projections, geodesy, and other basics, to quantitative thematic mapping, including choropleth maps and the various map types that are created using statistical data (e.g., dot density maps).

The final chapters discuss elements of map design and production techniques, from desktop printing to Web mapping. The final part is entitled "Effective Graphing For Cartographers" and teaches a valuable topic that is marginally covered in education but is commonly used by cartographers.

Each chapter has references and a glossary of terms. Appendices cover methods of determining map scale and a sample data set for practice. An index completes the work.

This book is geared toward college level cartography teaching, but is also valuable for geography students and for anyone who needs to know more about reading and understanding maps. It is also suitable for anyone without a full background in cartography who wishes to learn map design basics and methods for drawing maps.

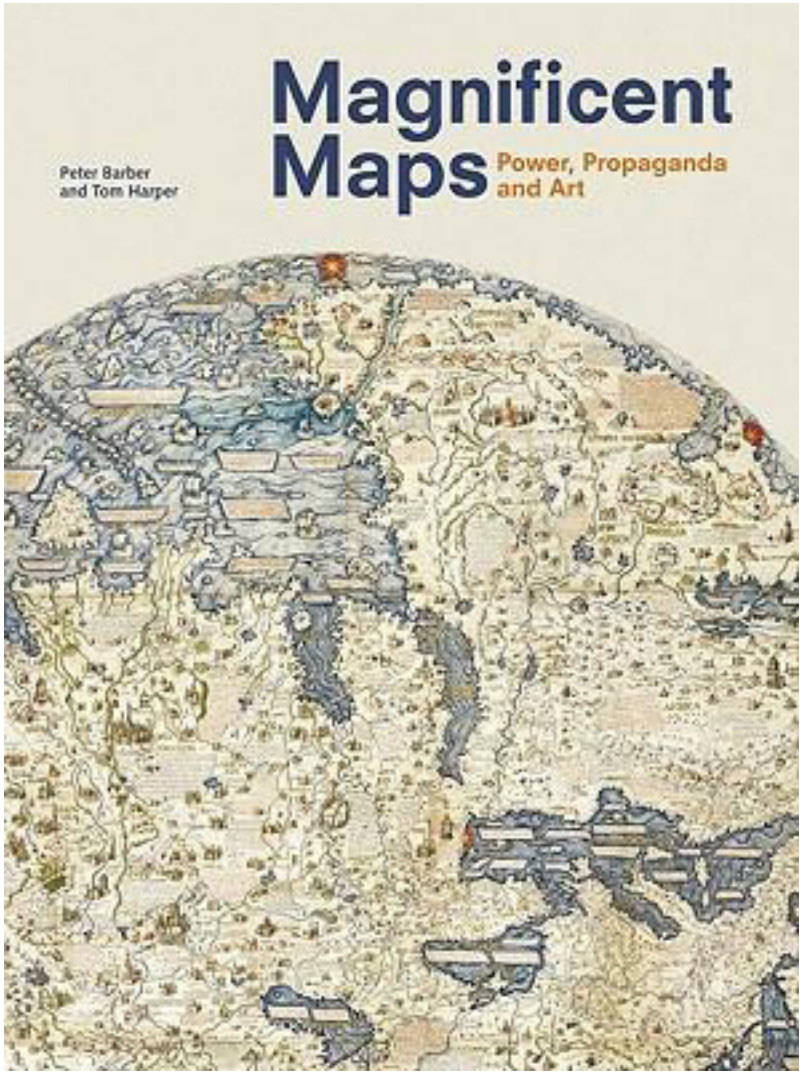
Barber, Peter and Harper, Tom. ***Magnificent Maps: Power, Propaganda and Art.*** London: British Library, 2010 (ISBN: 9780712350921). 176 p.: ill. (some col.), maps (some col.).

This book, published for the British Library exhibition in London, April 30-Sept. 19, 2010, presents "display maps" through beautiful color photographs and text. Display maps were created not for the purpose of use, but mostly to decorate walls and ceilings. These maps were usually large and could be painted onto walls, carved into stone, or hung vertically—as tapestries would be displayed. Most of these maps adorned municipal or church buildings, such as cathedrals, as

well as palaces and the homes of wealthy families.

Display maps hold a wealth of detail and provide a historic glimpse into pre-modern society and culture. They also show the values and interests of the owners, as well as the might and power of individuals or nations.

Unfortunately, most display maps are transitory: many have been damaged or destroyed through the years from neglect, war, fire, natural decay, or environmental hazards. Even some preservation attempts have caused damage instead of halting it.



Magnificent Maps provides commentary and examples of display maps in their places of residence. Text defines the map type, its artistic and political value, the strengths and weaknesses of display maps, and other cultural aspects of this wonderful field of aesthetic endeavor.

The photographs and facsimile images are sharp, with good tone reproduction, and all have captions stating location and specific details. Included is a good

bibliography that references pages relevant to the work, and also an index.

This book will appeal to students and adult learners, as well as college students in art, art history, cartographic history, human geography, anthropology, and other fields.

Eratosthenes. Roller, Duane W. Strabo. ***Eratosthenes' Geography.*** Princeton, N.J.: Princeton University Press, 2010 (ISBN: 9780691142678). xiv, 304 p.: ill., maps.

Eratosthenes is well known for his cartography and geographic studies. This book describes his life and works, and offers interpretations based on source materials, chiefly his *Geographika,* and other resources. It includes maps, a gazetteer of about 400 toponyms, and commentaries on the volumes of *Geographika*. Several appendices provide commentaries on specific topics (e.g., On the Measurement of the Earth). There are two indexes: Index of Passages Cited, and a General Index.

This book will not be of great interest to general readers, but for geographers, cartographic historians, students of general science, and mathematics historians, it provides a good biography and study of Eratosthenes and his work.

Rowntree, Lester, …[et al.]. ***Globalization and Diversity: Geography of a Changing World.*** 3rd ed. Upper Saddle River, N.J.: Pearson Prentice Hall, 2011 (ISBN: 9780321651525). xvi, 458 p.: col. ill., col. maps.

Globalization is rapidly changing the world, both physically and psychologically. This book describes how the world community is evolving and gives new comments and thoughts on the cause and effect of globalization. It gathers the latest concepts and trends and provides a good basis for study.

Globalization also discusses various, diverse populations and how they are adjusting to a world community. This book is useful for college and adult researchers looking for materials on globalization, human geography, anthropology, and environmental issues.

Hollingum, Ben. ***Maps and Measurement.*** New York: Gareth Stevens Pub., 2010 (ISBN: 9781433935039). 48 p.: col. ill., col. maps. *(Understanding maps of our world).*

The best way to get children interested in maps and cartography is to provide them with tools and instruction that can inspire their minds. This book is designed for juveniles, but could assist teachers in giving class assignments on cartography. Adults might also find it helpful.

The book discusses maps, including: how and why maps are made, how they are used, and how the three-dimensional globe may be rendered (projected) onto a flat

sheet of paper. As such it would be a good introduction to maps for grade- through high-school students. College students or adults without map skills also might find this a simple introduction.

DuVander, Adam. ***Map Scripting 101: an Example-Driven Guide to Building Interactive Maps With Bing, Yahoo!, and Google Maps.*** San Francisco, CA: No Starch Press, 2010 (ISBN: 9781593272715)**.** xx, 352 p.: ill., maps.

I have been increasingly asked to teach workshops on how to create maps using Google Maps and other Web-based software. And so I have been acquiring books for this purpose, and also for the purpose of providing study materials for faculty and students. This book fulfills some of this need. A quote from the publisher states the book's basic purpose:

"Websites like MapQuest and Google Maps have transformed the way we think about maps. But these services do more than offer driving directions; they provide APIs that web developers can use to build highly customized map-based applications. The author, Adam DuVander, delivers 73 useful scripts, examples that will show you how to create interactive maps and mashups."—book cover

Contents: Mapping basics -- Plotting markers and message boxes -- Geocoding -- Layer it on -- Handle map events -- Explore proximity -- User location -- Data formats -- Go server-side -- Mashup projects -- Appendix A: JavaScript quick start -- Appendix B: Mapstraction reference.

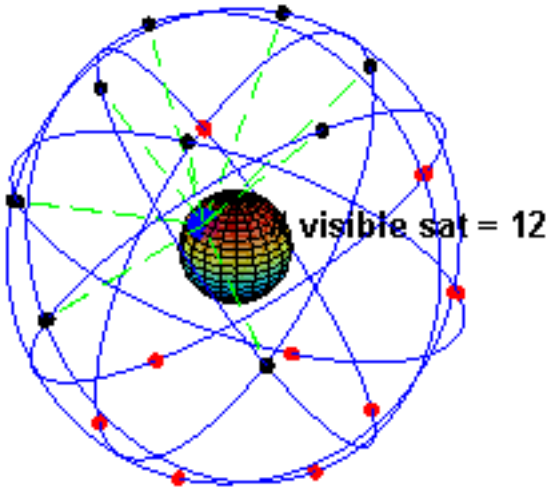
This book is geared toward students from high school through adult learner. By offering scripts and examples, the author has made the book more useful to less sophisticated computer users while also giving more advanced mappers and map enthusiasts the opportunity to develop data on their personal topic into an online system.

Kjellström, Björn. ***Be Expert With Map & Compass.*** 3rd revised and updated ed. Hoboken, N.J.: Wiley, 2010 (ISBN: 9780470407653). viii, 247 p.: ill., maps (1 col. folded).

One of the classic handbooks for learning to read a map and use a compass has been updated to current techniques. For anyone who hikes, canoes, or does any field work, this is an easy way to learn the basics. It is a very good choice for orienteers and is readable for teens through adult learners.

Contents: Introduction The Art (and Science) of Orienteering 1 — Part I Discovery: Fun with Maps Alone 11 — Part II Exploration: Fun with the Compass — Part III Adventure: Fun with Map and Compass 109 — Part IV Challenge: Competitive Orienteering 149.

GPS Books



Lo, Burt. ***GPS and Geocaching in Education.*** Eugene, Or.: International Society for Technology in Education, 2010 (ISBN: 9781564842756). x, 165 p.: ill.

As the previous title discussed the basics of map and compass, this work describes the basics of GPS use. Geocaching is a hobby that requires knowledge and practice with GPS. This makes it perfect for learning skills while having fun.

This book starts with basics of what a GPS is, how to select one, and how to use it in practical exercises. Students with cellular phones that also include GPS are also able to use the book.

The book is designed for teaching the fundamentals of GPS and g*eocaching* and is geared toward grade school through adult learners, though college students will also find it a handy handbook. This book, along with the previous one, offers a well-rounded guide to basic map navigation skills—skills that are useful to everyone.

Note: A geocaching program can be started inexpensively because cell phones and lower-priced GPS units (e.g., Apisphere Geomate Jr. Handheld Geocaching GPS; less than $50) now exist. Equipment need not be too sophisticated for beginner-intermediate users.

If you are interested in this book and the concepts, visit this site: **GPS & GeoCaching in Education**: http://www.evalamar.com/GPS/index.htm.

Taylor, J. Kevin. ***Geocaching For Schools and Communities.*** Champaign, Ill.: Human Kinetics, 2010 (ISBN: 9780736083317). xi, 204 p.: ill.

Another publication with a similar theme, this one describes teaching and learning geocaching as an exercise with "fun" appeal. The geocaching concept used in this book is learning while playing hide-and-seek. It provides clear, concise instruction with emphasis on conducting games with educational value. The book's contents describe it well:

Introduction to geocaching — High-tech geocaching — Low-tech geocaching — Basics of geocaching — Geocaching for health-related fitness — Beginning experiences with geocaching — Advanced experiences with geocaching — Developing a geocaching program.

This book, like the previous title, provides for a teaching/learning experience that develops GPS skills while also being fun and recreational. It is geared toward grade school through high school and also for any organization (e.g., senior centers, summer camps, scouting). The technique, coupled with exercise tips, offers a different approach to learning. However, for adult organizations or for college groups, this is worth reading too.

Hinch, Stephen W. ***Outdoor Navigation With GPS.*** 3rd ed. Birmingham, AL: Wilderness Press, 2011 (ISBN: 9780899976501). xii, 220 p.: **:** ill., maps.

Another good introduction and guide to using GPS units, this one includes additional sections on outdoor activities that are—like map reading— essential survival skills. It covers navigation and map reading in clear text with examples. The reader can learn how to use a GPS for most situations (on road, trail, water), how to read maps, and how to navigate by dead reckoning and other non-instrument methods. Also included are entertaining ways to enjoy the outdoors

while developing navigation skills. Contents include:

Basics of GPS -- GPS receivers -- Navigation using waypoints and bearings -- Knowing your position -- Entering and navigating to stored waypoints -- Topographic maps -- Route planning and navigation -- Preparing for disaster -- Navigating with a map and compass -- Primitive navigation techniques -- Geocaching -- More fun and games -- Trail mapping with GPS -- Highway navigation with GPS -- GPS receiver selection guide.

Though this book is targeted for hikers, campers, and outdoors travel, the potential audience for this book is almost the same as for the previous two titles. In addition to providing a teaching/learning experience with GPS and map skills, readers may also develop personal skills to use for any outdoor activities that require navigation or movement. It is useful to high school through adult learner, but children, with supervision, may also benefit from this publication.

Kennedy, Michael. ***The Global Positioning System and ArcGIS.*** 3rd ed. Boca Raton: CRC Press, 2010 (ISBN: 9781420087994). xxix, 277 p.: ill., maps ; 25 cm. + 1 CD-ROM (4 3/4 in.).

GIS and GPS are popular in their own right, but put them together and you can create maps more accurately and make interactive GIS with targeting capabilities for tasks such as pinpointing emergency victims or providing real-time maps of developing situations.

The book discusses manual and machine-operated data gathering and offers practical learning experiences along with regular treatment of the subject. Contents:

Basic concepts -- Automated data collection -- Examining GPS data -- Differential correction, DOQs, and ESRI data -- Integrating GPS data with GIS data -- Attributes and positions -- GPS mission planning -- The present and the future -- Appendix A. Sources of additional information about GPS -- Appendix B. Form for exercises, lab practicals, and exams using data sets on the CD-ROM.

The CD-ROM works along with the book, software, and equipment to extend learning beyond reading alone. This book was previously published as: ***The Global Positioning System and GIS.***

College and post-graduate students, as well as professionals, will find this book useful. It offers a basic framework for integrating GPS and GIS technologies and instructs on practical application of the technologies.

GIS Books

GIS is advancing faster than we can keep up with it. For those in libraries, user expectations have raced ahead of what we can provide. In many institutions, librarians are being expected to have enough knowledge to at least find the correct data and resources for their clients. We cannot be expected to master a practice that is a career in itself, but we can do our best to familiarize ourselves with awareness and fundamental study.

The following is a selection of recent GIS-related publications that are instructional and functional in their application.

Carrega, Pierre. ***Geographical Information and Climatology.*** London; Hoboken, NJ: ISTE; Wiley, 2010 (ISBN: 9781848211858). *(Geographical Information Systems Series)*. xi, 274 p., [216] p. of plates: ill. (some col.), maps (some col.). (Translation of: *Information geographique et climatologie.)*

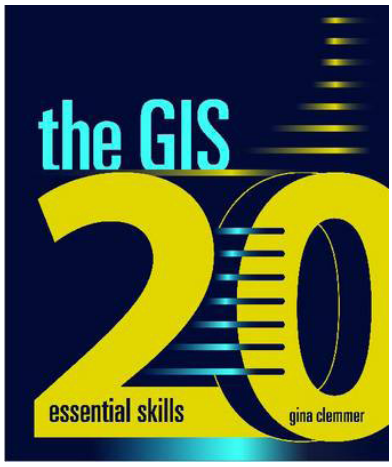
Multi-disciplinary researchers may find this work to be useful. It discusses GIS use in climate and weather studies, including environmental topics relating to the climate.

The book is made up of two parts. The first covers fundamental principles, such as geospatial climate data measurement, data gathering, climate mapping, and building forecast models.

The second part describes GIS as used in climate studies, especially those related to disaster planning: urban climate; air pollution; climate and hydrology, forest fires, and others.

The authors are experienced GIS professionals and they offer a wealth of current practice-knowledge. There is a case study "Assessing and modeling the urban climate in Lisbon," and other chapters provide thematic approaches to their topics.

The book is indexed and contains references. This work is suitable for college and advanced professional work in GIS and would be used for research in climate and weather, disaster planning, and associated fields.



Clemmer, Gina. ***The GIS 20: Essential Skills.*** Redlands, Calif.: ESRI Press, 2010 (ISBN: 9781589482562). xiii, 140 p. col. ill., col. maps; 23 cm. + 1 CD-ROM.

This ESRI title is a concise work that introduces GIS to a wide audience, and features those skills needed when working with GIS.

The contents describe the book's topics: Creating a reference map: working with layers, symbology, labels, layouts, saving — Creating well-designed layouts: color, font, map flow, legends, sources — Projecting shapefiles — Preparing data for ArcGIS: preparing Excel files, working with census data — Joining data to maps — Creating a thematic map: thematic mapping, constructing a legend, color shading — Working with attribute tables: adding/deleting columns, editing values, calculations — Address mapping — Creating a categorical cap: categorical mapping of polygons and points — GPS point mapping — Editing boundaries: changing boundaries, merging multiple geographies into one, merging multiple shapefiles into one, clipping, custom selections — Joining boundaries: spatial joining — Aerial photography — Digitizing paper maps: making a digital image, drawing polygon and line boundaries by hand — Attribute queries — Location queries — Creating reports — Creating buffers — Publishing maps: ArcGIS Explorer, geoenabled PDFs, creating map books — Creating geodatabases.

The CD-ROM provides examples and learning materials to improve the reader's comprehension and performance.

GIS 20 is a good all-around introduction and starting point for learning what is necessary to use ArcGIS or other GIS software. It is geared toward college through professional users.

Van Sickle, Jan. ***Basic GIS Coordinates.*** 2nd ed. Boca Raton, FL: CRC Press, 2010 (ISBN: 9781420092318). xi, 188 p.: ill., maps.

This book provides some of the basics while also being a useful manual for the

serious GIS student. It covers basics of coordinate systems, including how they are devised and how to employ them.

Verjee, Firoz. ***GIS Tutorial for Humanitarian Assistance.*** Redlands, Calif.: ESRI Press, 2011 (ISBN: 9781589482135). xv, 360 p. : ill. (chiefly col.), maps (chiefly col.) + 361 DVD-ROM.

This book is designed for organizations and agencies whose objectives include humanitarian aid during disasters, catastrophic events, and other occurrences where organized relief is necessary. It covers building spatial databases, developing systems to deal with crisis situations, developing applications during and following disasters, and creating systems to use for planning and coordinating refugee camps and other relief activities.

The opening chapters provide basic GIS skills and themes that are essential to the professional. Then specific topics are covered. Case studies are also included to describe measures taken for specific events. The book provides good illustrations highlighting text concepts.

The book also contains "Notes For Instructors" that summarize the book's chapters and shows what skills are to be learned in each chapter. A companion DVD with tutorials and lesson plans, etc., is available from the author.

This book provides instruction for GIS professionals and for people involved with disaster planning and relief efforts, at any scale. It would be useful to anyone from college through professional level.

Brimicombe, Allan. ***GIS, Environmental Modeling and Engineering.*** 2nd ed. Boca Raton: CRC Press/Taylor & Francis Group, 2010 (ISBN: 9781439808702). xv, 361 p.: ill., maps.

Environmental engineers and planners are among the most rapidly increasing groups of GIS users. Graduate students in these fields are now expected to be competent in GIS to be competitive.

This book offers GIS training for soon-to-be professionals in these specialized fields. Models and case studies—along with standard text—describe the process and steps to take when performing GIS tasks for everyday engineering applications. The publisher states that the work is geared toward seniors and postgraduate students, but professionals will find the modeling concepts quite useful as well. Contents include:

From GIS to geocomputation -- GIScience and the rise of geo-information engineering -- Approaches to modelling -- The role and nature of environmental models -- Case studies in GIS, environmental modelling and engineering -- Issues

of coupling the technologies -- Data and information quality issues -- Modelling issues -- Decision-making under uncertainty.

Also included is an extensive list of bibliographical references (p. 315-340).

This book is for college students and professionals who already have some GIS experience who require more specialized knowledge attuned to their field.

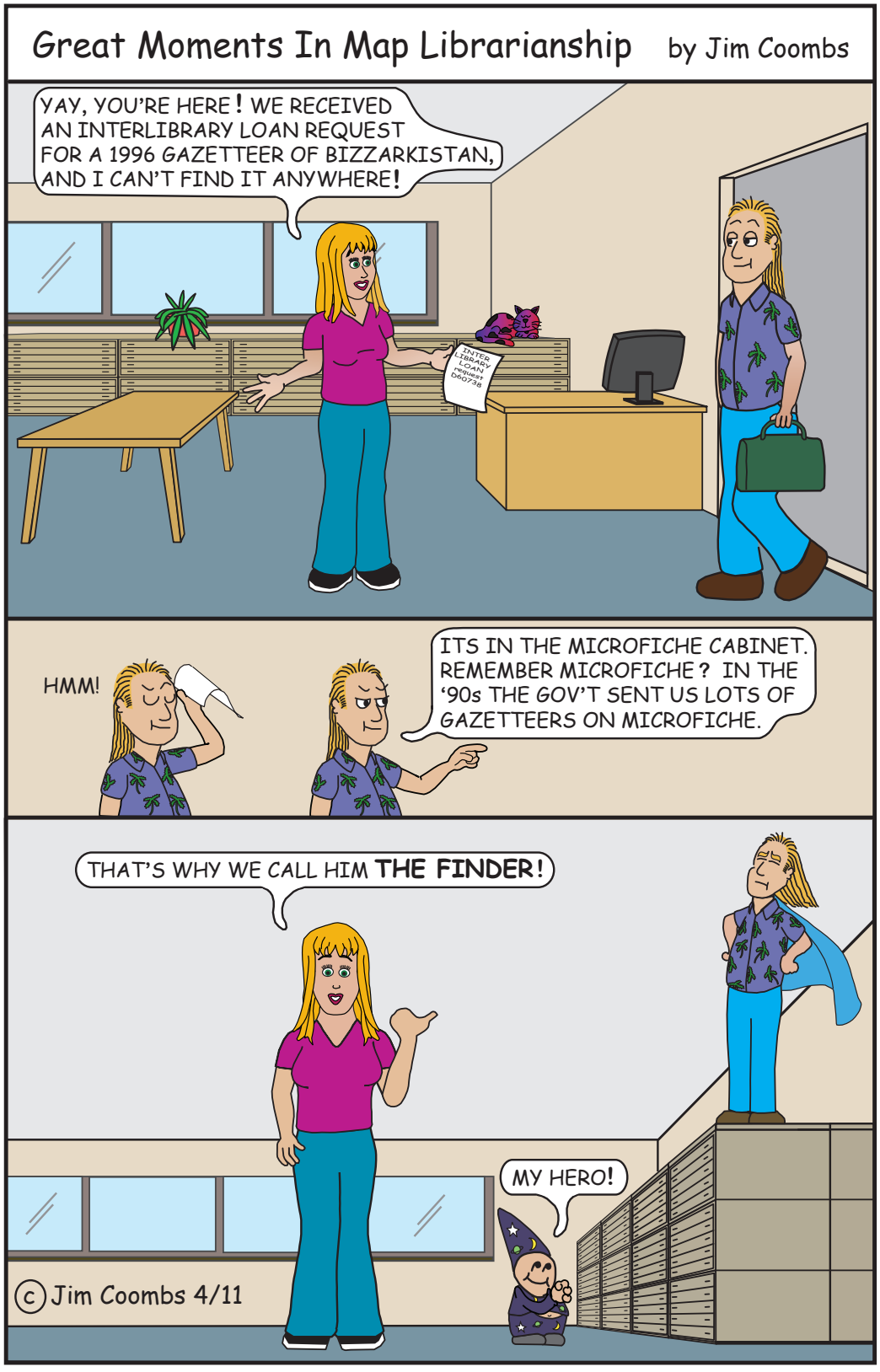
Thomas, Christopher, Warren, Heather, and Meyertholen, Emily. ***Mapping the Nation: GIS for Federal Progress and Accountability.*** Redlands, Calif.: ESRI, 2011 (ISBN: 9781589482869). 133 p.: col. ill., col. maps.

GIS use in government has been leading edge since GIS became practical. This book details the ways in which government agencies are using GIS to develop visual displays of statistical spatial data, as well as offering examples and ideas for municipal agencies and organizations to use in developing their own systems.

This book is geared toward GIS professionals needing an overview of government efforts. It would be useful to college study as the concepts and examples might very well inspire student GIS projects.

Conclusion

Spring is peeking through the snow and the world is getting greener. Happy birds are flying overhead and I have been watching and taking notes. *Enjoy the outdoors and take a good map with you!*–DJB


Great Moments In Map Librarianship
by Jim Coombs
YAY, YOU'RE HERE! WE RECEIVED AN INTERLIBRARY LOAN REQUEST FOR A 1996 GAZETTEER OF BIZZARKISTAN, AND I CAN'T FIND IT ANYWHERE!
INTER LIBRARY LOAN Request D60738
HMM!
ITS IN THE MICROFICHE CABINET. REMEMBER MICROFICHE? IN THE '90s THE GOV'T SENT US LOTS OF GAZETTEERS ON MICROFICHE.
THAT'S WHY WE CALL HIM THE FINDER!
MY HERO!
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