base line

a newsletter of the Map and Geography Round Table

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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

Just as I thought we had the plans for the Annual Meeting in New York in good shape, disaster struck. The keynote speaker for the program “Living with Maps”, Denis Wood, will not be able to speak to us after all, and the other panelist whom I asked to be the keynote speaker declined. So that program is cancelled. However, Alice Hudson and I are trying to organize a substitute program on mapping in New York. Stay tuned, as they say. The details may not make the ALA Final Program, so keep an eye on MAPS-L, etc.

The really good news is that Alice has organized a fascinating field trip for us - a walking tour of the geology of downtown Manhattan conducted by Sidney Horenstein of the American Museum of Natural History. See the notice elsewhere in baseline for details. The New York Public Library will also be the location for our Awards Reception on Saturday night.

As your Chair, I thought I had better check out the MAGERT hotel ahead of time, so last weekend (May 10-12) I went to New York and actually stayed in the Hotel Wellington. It is quite a find (according to Access NYC, my favorite guidebook), reasonably priced and comfortable and a GREAT location. The hotel has been renovated, and the rooms are nicely furnished. It is a block south of Carnegie Hall, and walking distance from the theater district, the Museum of Modern Art (where there will be a stunning Picasso exhibit), Central Park, Lincoln Centre, etc. We walked to the New York Public Library, too. (Admittedly, we do like walking, especially in NY on a May weekend - July will be a little hotter, I suspect). The area around the hotel has many amenities, including a great bookstore (Coliseum Books), Hagstrom’s map store, coffee shops, diners, delis, a music store (Joseph Patelson), and the Mysterious Bookshop. As well as some very upmarket (i.e. expensive) restaurants, we found Thai, Indian, Greek and French restaurants which were reasonably priced (we sampled the Indian and French). To get to the Convention Center you can take an ALA shuttle from a nearby convention hotel or take the subway from right outside the Wellington (or walk, of course!)

Alice has promised to make us a map of the neighborhood around the hotel showing all the amenities. So be prepared to have a good time in New York!

-- Margaret Brill
MAGERT ANNUAL MEETING SCHEDULE
New York, NY, 1996

FRIDAY July 5

Evening - welcome reception 7-10, Wellington Hotel, Brill Suite (Margaret Brill’s Room)

SATURDAY July 6

8-9 AM  Executive Board I, JCC - 1C 4
9:30-12:30 GODORT Fed. Docs Update, - JCC-1A 23,24
11:30-12:30 Education Committee, MLN-3, 01
2-4  Publications Committee I, DRL-Crystal Rm. A
8 PM  NYPL Open House and Presentation of MAGERT Awards - Map Division, NYPL

SUNDAY July 7

8-9 AM  GIS and Computer Mapping Discussion Group, REN - Salon A&B
9:30-11 Cataloging & Classification Committee, MIL-Majestic Room
9:30-12:30 LITA GIS Interest Group - “Spatial Metadata: the Librarian’s Perspective”, STM Le Trianon
11:30-12:30 SF Planning Com., DRL-Crystal Room
11:30-12:30 MAGERT/GODORT/RBMS Committee on Rare Documents & Maps, SHER Versailles BR
11:30-12:30 Membership Committee, JCC - 1A 14
2-4  Program I (TBA), DT-Vaudevilian BR
4:30-5:30 ALCTS/CCS/MAGERT Map Cataloging Discussion Group, HIL-Beekman Parlor

MONDAY July 8

8-9 AM  Geotech Com., JCC- 1E 3
9:30-11 Research Libraries Collection Management, NYPL, Map Division
9:30-11 Publications Com. II, MIL Imperial Room
11:30-12:30 Cartographic Users Task Force (CUAC), HIL Sutton Center
2-4  Program II “Antique Maps on the Electronic Frontier: the Digitization of Historic Maps for Preservation and Access”, JCC-1A 30

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TUESDAY July 9

8-9 AM  Executive Board II, JCC-1C 4
9:30-12:30 General Membership, JCC-2D 8

2-4 Field Trip “Building Stones of NYC” - Meet on steps of NYPL

Hotel Abbreviations:
- JCC - Javits Convention Center
- CRWN - Manhattan Crowne Plaza
- DRL - Doral Inn
- DT - Doubletree Guest Suites
- HIL - New York Hilton
- IC - Hotel Intercontinental
- LWS - Loews New York
- MAR - Marriott East Side
- MIL - Milford Plaza
- MLN - Millennium Broadway
- STM - St. Moritz
- PLZ - Plaza
- REN - Renaissance New York
- SHER - Sheraton NY (ALA HQ)
- SHERM - Sheraton Manhattan
- WAL - Waldorf Astoria

VOLUNTEERS NEEDED FOR ALA EXHIBITS BOOTH!

If you plan to attend ALA in New York this July, please consider volunteering an hour or two of your time to help staff the MAGERT booth in the Exhibits Area of the Jacob Javits Convention Center.

The Exhibits schedule will be:

<table>
<thead>
<tr>
<th>Day</th>
<th>July</th>
<th>Time</th>
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<tr>
<td>Saturday</td>
<td>6</td>
<td>9:00am - 4:00pm</td>
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<tr>
<td>Sunday</td>
<td>7</td>
<td>9:00am - 5:00pm</td>
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<tr>
<td>Monday</td>
<td>8</td>
<td>9:00am - 5:00pm</td>
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<tr>
<td>Tuesday</td>
<td>9</td>
<td>9:00am - 1:00pm</td>
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Show your support for our Roundtable by helping to staff the MAGERT booth. It’s fun, educational and good for the soul. If you’re interested in helping out, please contact Steve Rogers via the following:

Map Room, Main Library, Ohio State Univ. Libraries
1858 Neil Avenue Mall, Columbus, OH 43210
(614) 292-6175
or
srogers@magnus.acs.ohio-state.edu

Thank you.
ON THE CATALOGING/CATALOGUING FRONT

Format integration phase 2 (FI2) is upon us, having been implemented in early March, at least by OCLC. In this column I will attempt to describe the FI2 changes that are of the greatest import for the cataloging of cartographic materials. But first I must finish the report on the MAGERT Cataloging and Classification meeting that took place at ALA Midwinter in San Antonio. The MARBI report is presented here as it was submitted to me by Susan Moore, MAGERT’s MARBI liaison.

MARBI Report to MAGERT Cataloging and Classification Committee
Meeting of January 21, 1996--submitted by Susan Moore

There were two proposals and one discussion paper reviewed during the MARBI meetings that are of particular interest to the cartographic community. What follows is a brief report on these three items. The full text of the proposals and discussion papers are available through the Internet (gopher://marvel.loc.gov/ll/services/usmarc/marbipro).

After lengthy discussion, Proposal 95-6 (Linking Code for Reproduction Information) was amended to prescribe one record for the original and one record for each microform reproduction. The 533 field will still be repeatable. A separate vote was held on the issue as to the order of numeric subfields. MARBI passed the proposal that subfield 6 will be proscribed to be the first numeric subfield and the other numeric subfields have no prescribed order.

Proposal 96-4 (Defining a Constituent Unit Entry Field) was modified in discussion to keep the current definitions of fields 770 and 772, to change the definition of field 773 so that the item being referred to no longer has to be physically part of the piece, and to create field 774 to describe the constituent part.

Discussion paper 92 (Change in Definition of Computer File in Leader/06 (Type of Record) in the USMARC Bibliographic Format) generated a wide-ranging discussion around the issue of cataloging an item’s content as opposed to cataloging its format. By the close of the meeting, there was a general feeling that if the content of the item could be coded in the 008, then a broader definition of computer file than “executable computer program” would be needed for the 006 to allow the digital aspect of these items to be brought out.

Due to the limited time to review Discussion Paper 93 (CAN/MARC Changes for MARC Format Alignment), discussion is taking place over the USMARC list. A summary of what changes have been proposed that are of particular interest to cartographic catalogers was sent to the Maps-L list in February. This paper lists changes that the Canadian MARC community would like to see made in the USMARC bibliographic and authorities formats. The requested change that would
probably have the widest effect if implemented is the request to change the meaning of position number 25 (now used for cartographic material type) to an additional position for Prime Meridian. Canadian MARC provides for a much more extensive list of Prime Meridians than USMARC and they would like to continue to use the list to which they are accustomed. A proposal will be generated for the discussion paper for review in New York.

[The Maps-L message Susan refers to includes a list of the 39 prime meridian values used in CAN/MARC, six of which are also coded in USMARC, but with different codes. USMARC has 7 prime meridian codes. Other requested changes involve the additions of codes to the 007 and 008 fields and a local Canadian field, the 009, to be added as an appendix to the format.]

Format Integration Phase 2

Format integration phase 2 allows for the first time the recording of fixed field data from more than one format in a single record, as well as providing several new variable fields. Archival control has also been fundamentally changed by F12. As it has been implemented by OCLC, the fixed field (008) display is also altered to make the labels used for fixed field elements consistent overall formats. I will summarize the important changes as they apply to the cataloging of maps and atlases, using OCLC Technical Bulletin 212 Format Integration Phase 2 as a guide.

Phase 2 of format integration does for fixed field data what Phase 1 did for variable field data, allowing fixed field data from any format to be included in any record. This is accomplished by the addition of the 006 field to the MARC format, in which is recorded additional sets of fixed field data to records for items possessing multiple format characteristics. Multiple format items include non-book items which also possess serial characteristics. In an effort to standardize fixed field data across formats, the mnemonic tags for many of the elements have been changed and values for some elements have been made the same for all formats to which they apply. One result of this standardization is that fixed field dates will now be treated the same in monograph and serial records.

A change has occurred in what format certain types of materials are to be cataloged under. Atlases are now to be cataloged in the Maps format rather than in the Books format. OCLC provides guidance for choosing the format for some difficult types of items. Map serials are included as one of these types. For map serials the Maps format should be used with bibliographic level (Blvl, formerly Bib Lvl) coded s ("serial") or b ("serial, component"). Serial characteristics may then be coded in the 006 field.
The 006 field is always optional, but in the case of serial publications in non-book formats it is strongly recommended that the 006 be used. In the case of map serials, the 006 is the only way to introduce serial fixed field data into the record, as Maps format is the prescribed format to use for cataloging these items. Another example of a map record that could employ the 006 is a geologic map accompanied by text which analyzes and describes the data presented on the map. In such a case the map would be cataloged in Maps format, with the characteristics of the accompanying text coded in the 006. There will be cases where the opposite procedure will be appropriate. A book accompanied by a map in which the map is used to illustrate a part of the text would be cataloged in Books format with an 006, if desired, to record the cartographic aspects. Cataloger judgment will certainly be important in some cases, where determining whether the map accompanies the book or vice versa may be more difficult.

Users with full or higher authorization on OCLC may add an 006 field to an existing record, except for CONSER authenticated serial records, which will require CONSER membership to add an 006. In order to modify or correct an 006 field in a full-level record, enhance level authorization is required in the appropriate format. OCLC has provided the new 006 command to facilitate the addition of the 006 field to existing records. The command produces a prompt which displays the fixed field element mnemonics for the format selected, allowing the applicable codes to be typed in. The 006 field displays in the record after the 040 and 066 fields and before the 007 field. It displays as a string of codes, including blank codes, enclosed in brackets. An 006 field can be added to a record by simply typing in the brackets and all the codes directly, but this is not recommended because of the high probability of making errors in the proper positioning of codes within the field.

A few fixed field elements relating specifically to cartographic materials have changed with FI2. RecG has become CrTp, type of cartographic material, with a new code, e for atlas, being validated. Base has been split into its two components: Prme for prime meridian, and Proj for projection. Dat tp for type of date in monographic records and Pub st for publication status in serial records have been combined, with DtSt being the new mnemonic for all formats. New codes have been introduced for nonserial records to take the place of codes which were formerly used in both Dat tp and Pub st with different meanings in each. Questionable dates are being treated differently, with “u” now being available for unknown digits in dates in all formats.

Moving to variable fields, the 007 field now includes the code d for atlases in subfield b, and fields 034 and 255 now include a subfield for g-ring information. Several new fields have been validated for data relating to spatial data sets. Field 342, Geospatial Reference Data is used to describe the frame of reference for the coordinates in a data set, in order to enable users to accurately determine location.
Field 343, Planar Coordinate Data is used to supply information allowing users to define the position of a point on a reference plane onto which the surface of the Earth has been projected. These fields are to be used in conjunction with the Federal Geographic Data Committee’s *Content Standards for Digital Geospatial Metadata*. Field 352 is used for a description of the method of referencing and the mechanism used to represent graphic information in a data set. Two new notes fields will also be useful in describing geospatial data. Field 514 has been validated for the Data Quality Note, used to provide recommendations on tests to be performed on spatial data. Field 551, for the Entity and Attribute Information Note describes the information content of a data set.

OCLC is still planning to run scans to convert atlas records to Maps format. In the meantime they are instructing users who want to use an atlas record still on the Books format to send a “type code” change request to OCLC. They will change the Type, usually within 24 hours, and the user can then complete their work with the record, now on the Maps format. Fields which are mandatory or required for the Maps format must be present. For I-level records, this would include 007, 034, 052, and 255 fields for AACR2 records and 507 for pre-AACR2 records. For fields which cannot be supplied by OCLC, such as 052 and 255, they would appreciate users supplying that information if they have it when they send the type change request. Change request made be made by mail, phone, e-mail or PRISM online.

My thanks to those who helped in preparing my first ALA MAGERT meeting report--Susan Moore for her MARBI report for this issue, and Ellen Caplan and Betsy Mangan for their invaluable assistance in preparing the report that appeared in the April issue. Ellen should probably have received credit for authoring the OCLC report, as she wrote not one, but two different versions--a long version and a shorter one--of which I edited one for use in my report.

--Mark Crotteau
NEW BOOKS AND ATLASES

Atlas of Beijing. n.p., 1994. $258.00 (includes postage, surface mail). Available from: Geocarto International Centre, G.P.O. Box 4122, Hong Kong. This is the English edition.


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-- Anita Oser

**NEW MEMBERS**

Welcome new MAGERT members:

Andrea M. Gruhl
Columbia, MD 21045

Anna A. Sylvan
O'Fallon, MO 63366

-- Steve Rogers
NEW MAPS

World

Coffees of the World / design & illustration by James Wahl. Scale not given.
Long Beach, Calif.: Specialty Coffee Assn. of America, [1995?] 1 map: col.; 36 x 65 cm., on sheet 59 x 73 cm. OCLC# 33940990

Shows arabica coffee producing countries, robusta coffee producing countries, and those countries that produce both. The accompanying table shows producing country, type of coffee grown, and the main harvesting season. Nicely illustrated with seven photographs, this is “poster-like” but does display coffee information well, at least it would fill a niche in most collections. Of course, for a hard-core coffee drinker like myself it was fun just looking at it!!


There have been other maps produced similar to this by USGS and other agencies, but the major difference is that it shows impact crater sites with a geologic age span of 1,000 - 2,000,000 years! Base map is from the National Geophysical Data Center’s 1985 shaded-relief map of the world. Includes a colored schematic cross-section illustrating the principles of plate tectonics. Gorgeous and well done!

Greenland


Relief shown by contours and spot heights. Depths shown by isolines. Beautiful multi-colored map (aren’t all geological maps beautiful?) showing age of rocks, including those below the icecap, and rock type, along with seafloor spreading along the eastern submarine surface. Includes a six-part colored diagram showing “Main periods of crust formation and orogeny”.

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Lithuania

Lietuva / Jana seta (Firm) Scale 1:1,600,000. [Riga, Latvia]: Jana seta, [1995?]
1 map: col.; 20 x 29 cm. OCLC# 34616664

Ancillary map of Vilnius metropolitan area and geographical information on verso. Jana seta, Elizabetes iela 83/85 korp. 2, Riga, Latvia LV-1011 Phone: 217371 or 217384 Fax: +371-8828039

Argentina

Energy Map of Argentina / produced for Yacimientos Petroliferos Fiscales (YPF) by The Petroleum Economist; base mapping copyright Bartholomew; designed by Cosmographies. Scale [ca. 1:3,300,000]. Houston, Texas: The Petroleum Economist, 1996. 1 map: col.; 117 x 85 cm., folded to 20 x 28 cm. ISBN 0906618681 OCLC# 34272673

Not nearly as detailed as most Petroleum Economist maps I've seen recently but the information displayed is clear and concise. Shows oil and gas fields and pipelines; oil and gas basins both on and offshore; major coal fields, and the major hydroelectric projects.

Coastal United States, Mexico, and northern South America

Two maps follow, each showing different parts of the U.S. but created for the same organization and showing the same topic:

Atlantic Hurricane Tracking Chart / [prepared for the] American Red Cross by the National Oceanic and Atmospheric Administration. Scale [ca. 1:13,500,000]. Scale is accurate along the equator, elsewhere on the map scale increases towards the poles; Mercator proj. [Washington, D.C.?]: American Red Cross, [1995] 1 map: col.; 42 x 58 cm. OCLC# 34701880

This map and its companion below are strange in that neither show actual or potential storm tracks, just those states, islands, and other geographic areas subject to the destruction of these storms. Each has "Feb. 1995" in the lower right corner. Not much useable information here other than textual notes about hurricanes and their effects. So, on the one hand potentially useless maps because storm tracks are not shown, but useful because of some of the textual information. Maybe these were published so folks could keep track of a given year's worth of storms and their paths on their own handy-dandy personal charts?

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Pacific Hurricane/Typhoon Tracking Chart / [prepared for the] American Red Cross by the National Oceanic and Atmospheric Administration. Scale [ca. 1:26,400,000]. Scale is accurate along the equator, elsewhere on the map scale increases towards the poles; Mercator proj. [Washington, D.C.?]: American Red Cross, [1995]. 1 map: col.; 28 x 58 cm. OCLC# 34701632

United States - Arizona


The panel title says it all! Base used for this map was a black and white satellite image of Arizona so relief shows up as "shaded". The entire verso contains indexes to the different types and levels of facilities, providing extensive recreational information.

United States - Idaho


United States - Montana

The Battle of the Little Big Horn: June 25th, 1876 / cartography by Philip Schwartzberg; text by Robert W. Nightengale and Charlie Bennett. Scale [ca. 1:17,500]. Minneapolis, Minn.: Meridian Mapping, c1996. 1 map: col.; 58 x 46 cm.

This beautifully detailed large-scale map shows troop and Indian movements and includes six insets detailing key encounters and battles. Printed on coated paper, the map also includes numerous notes that assist in setting the tone and timing of events. The insets are indexed to specific locations on the map. This map would be an excellent visual source in understanding those involved in this long-famous battle and the chronology of events leading up to the deaths of Gen. Custer and most of his troops.

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Relief is shown pictorially and by contours and spot heights. Sources of information come from "...Lt. Maguire’s map of September 1876 and Captain Edward Godfrey’s map as printed in The Century Magazine, January 1892."

The map retails for $10.00 plus $2.50 for postage and handling. Maps can be ordered from:

Meridian Mapping Cartography and Graphic Design  
c/o Mr. Philip Schwartzberg  
3233 Dupont Avenue South  
Minneapolis, MN 55408-3513  
Phone: (612) 825-6464

United States - Oregon

Relative Earthquake Hazard Map, Portland, Oregon 7-1/2 Minute Quadrangle / by Matthew A. Mabey and Ian P. Madin, Oregon Department of Geology and Mineral Industries. Scale [1:24,000]. Portland, OR: The Dept. of Geology and Mineral Industries, 1993. 1 map: col.; 61 x 56 cm. + accompanying text (8 p.; 28 cm.) OCLC# 28010492

"To understand and use this map please refer to the companion text. This is not a probabilistic hazard map and should not be used... The only three earthquake hazards analyzed to make this map were liquefaction, slope instability, and ground shaking amplification." Includes location map. Bibliography in accompanying text. “RLIS” at head of title.

United States - Utah

Gousha fastmap, Utah / H.M. Gousha (Firm) Scale [1:1,774,080]. 1 in. = approx. 28 miles. Comfort, Texas: H.M. Gousha, 1995. 1 map: col., laminated; 36 x 27 cm., folded to 29 x 12 cm. ISBN 0671502166 OCLC# 34539901

Utah on one side, maps of the Salt Lake City region, Zion National Park, and Bryce Canyon National Park on the verso with great accompanying recreation indexes.

-- Paige G. Andrew
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Claire Englander

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Melissa Lamont
John Olson

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Our field trip, organized by Alice Hudson of the New York Public Library, will be a walking tour, “Building Stones of New York City,” led by Sidney Horentstein of the American Museum of Natural History. We will meet at 2:00 PM on Tuesday July 9th on the steps of the NYPL, following the General Membership meeting, which will be from 9:30 to 12:30 in the Convention Center. You can catch a #42 bus cross town to 5th Ave. There is a lovely little park (Bryant Park) next to the library for a picnic lunch (take out from a deli?)

The cost will be $10. There is no need to reserve ahead, but I would appreciate an email (mbrill@acpub.duke.edu) if you are sure you will be coming.

Here are two excerpts from the description of the tour:

“New York City, especially the island of Manhattan, is a treasure trove of building stones, a repository of materials that are imported from many regions of the world. It is also a library of dimension stone no longer being quarried”.

“The study and documentation of building stones are important because we see:
1. How building stones respond to the processes of weathering;
2. How these stones are a record of changing architectural styles;
3. How they are an important resource for students, an outdoor classroom of worldwide, stratigraphy and paleontology, including strata no longer exposed.
4. They serve as an excellent way to popularize geology.”

-- Margaret Brill

**MAPS AT DUKE UNIVERSITY**

The mission of the Map Collection in Perkins Library is to support the programs and research at Duke, a private research university.

The Map Collection is part of the Public Documents and Maps Department. This means it is open most evenings and weekends, which would not be possible if the maps were housed separately. All the staff of the Public Documents and Maps Team have been trained to provide maps reference service, and when they are unable to answer a question they refer it to the map specialists. Staff who work primarily with maps are a Librarian (currently vacant), a half-time Library Assistant, and two student assistants. Although most of the maps are acquired through the Depository Library Program, there is an annual budget of over $3,000 to purchase maps and reference books. Maps are also purchased from Area Studies funds.
There are 126,000 paper maps in the collection. Space is at a premium - a medium-sized collection has been fitted into a room more appropriate for a small-sized one. However, with careful arrangement of the map cases and no wasted space, it is not cramped. The main constraint of having no extra space is that there is no room for piles of maps waiting to be put away and/or processed. Maps must be processed and filed as soon as possible. All new maps are cataloged immediately (the Depository maps are included on the Marcive tapes which we load in the online catalog), and we are about half-way through a project to catalog the older maps. The cataloging project also involves checking and updating the shelf-list, previously the only way to find maps which are not in major series. The card catalog includes shelf-list and subject cards. All maps not in major series are classified in Library of Congress - despite the fact that Duke is a Dewey library.

Collection strengths are DMA maps from World War II, North Carolina, and the Canadian depository map collection. Rare and antique maps are housed in the Special Collections Library. Of course, when purchasing maps priority is given to the research and instructional focus of Duke faculty. There is no other map collection on Campus, so there is heavy use from the Geology and School of the Environment. With no geography department, the map collection has been described as the “geographical presence at Duke”. The map librarian regularly teaches class sessions on the use of maps at the invitation of faculty.

Computer mapping dates back several years to the distribution of the TIGER Files on CD-ROM. Partly funded by a grant for Southern Americana, a computer terminal and software were purchased with the aim of combining the Census maps with the data from the 1990 Census CD-ROMs to produce demographic maps. This project has been very successful, using MapInfo software to produce the maps and a conversion program to convert the TIGER Files to MapInfo format. Of course the Census data is readily available in Documents. The terminal is accessible to the public, and training is available by appointment. The menu provides access to some ready-to-use local maps. Over the years more products have been added to the system, notably ArcView, thanks to the ARL GIS Literacy Project. Easy-to-use mapping programs which are very popular include StreetAtlas with MapExpert, Global Explorer, and Centennia. There are now two terminals, the original 486 and a Pentium with black and white and color printers. Users come from a wide range of Duke departments, and from the general public. The librarian also acts as a liaison with departments who maintain GIS systems.

There is a Maps Home Page as part of the Perkins Library web pages. The address is http://www.lib.duke.edu/pdmt/maps.html The Pentium is networked, so access to spatial data on the Internet is available. We also look forward to networking some of our products to the Duke Community and beyond in the future.

--Margaret Brill